Georgia Power

Plant Wansley CCR Landfill

PERMIT #: 074-005D(LI)

Heard County

2022 SEMIANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

Atlantic Coast Consulting, Inc.

PROFESSIONAL CERTIFICATION

This *2022 Semiannual Groundwater Monitoring and Corrective Action Report, Georgia Power Company – Plant Wansley Landfill* has been prepared in compliance with the United States Environmental Protection Agency Coal Combustion Residuals Rule [40 Code of Federal Regulations (CFR) 257 Subpart D] and the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10 and 391-3-4-.14 by a qualified groundwater scientist or engineer with Atlantic Coast Consulting, Inc. (ACC). I hereby certify that I am a qualified groundwater scientist, in accordance with the Georgia Rules of Solid Waste Management and 40 CFR Part 258.50(g).

ATLANTIC COAST CONSULTING, INC.

Ryan Walker, P.G.
Project Manager
Date: August 31, 2022

Chad Hall, PhD, P.E.
Senior Professional Engineer
Date: August 31, 2022

SUMMARY

This summary of the *2022 Semiannual Groundwater Monitoring and Corrective Action Report* provides the groundwater monitoring and corrective action program status from January through July 2022 for Georgia Power Company (Georgia Power) Plant Wansley Coal Combustion Residuals (CCR) Landfill (Site). This summary was prepared by Atlantic Coast Consulting, Inc. (ACC) on behalf of Georgia Power to meet the requirements listed in Part A, Section 6[1] of the United States Environmental Protection Agency (US EPA) CCR Rule [40 Code of Federal Regulations (CFR) 257 Subpart D].

Plant Wansley is located at 1371 Liberty Church Road, approximately 12 miles southeast of the City of Carrollton. The Site is located on the southern portion of the Plant Wansley property. As part of the 2022 Integrated Resource Plan, the Georgia Public Service Commission approved decertification and retirement of the Plant Wansley Coal fired units by August 31, 2022.

Plant Wansley and Plant Wansley Landfill

The groundwater monitoring system is comprised of a comprehensive network of wells installed to meet federal and state monitoring requirements. Routine sampling and reporting began after background groundwater conditions were established between August 2011 and July 2013 in accordance with the Solid Waste Permit requirements specified in the Design and Operation (D&O) Plan. The monitoring program has been modified to include Appendix III parameters[2] to meet the requirements of 40 CFR § 257.90 through § 257.95. Background groundwater conditions for Appendix III and IV parameters[3] were established between May 2016 and August 2017. Alternate Source Demonstrations (ASDs) completed in 2017-2022 have presented evidence demonstrating that statistically significant increases (SSIs) in groundwater are not due to a release from the unit. During the 2022 semiannual reporting period, the Site remained in detection monitoring.

During the 2022 semiannual reporting period, ACC conducted a groundwater sampling event in March 2022. Groundwater samples were submitted to Eurofins Environment Testing America for analysis. Per the CCR Rule, the groundwater results were evaluated in

[1] 80 FR 21468, Apr. 17, 2015, as amended at 81 FR 51807, Aug. 5, 2016; 83 FR 36452, July 30, 2018; 85 FR 53561, Aug. 28, 2020
[2] Boron, calcium, chloride, fluoride, pH, sulfate, and total dissolved solids (TDS)
[3] Antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, fluoride, lead, lithium, mercury, molybdenum, selenium, thallium, and radium 226+228

accordance with the certified statistical methods. That evaluation showed SSIs of Appendix III parameters in wells provided in the table below.

Appendix III Parameter	March 2022
Boron	GWC-14, GWC-15
Chloride	GWC-14

SSIs confirmed during the current monitoring period are either addressed by previous ASDs or a revised ASD addendum included in an appendix of this report. Based on review of the Appendix III statistical results completed for the groundwater monitoring and corrective action program from January through July 2022, the Site will continue in detection monitoring. Georgia Power will continue routine groundwater monitoring and reporting at the Site. Reports will be posted to Georgia Power's website and provided to the Georgia Environmental Protection Division (EPD) semiannually.

TABLE OF CONTENTS

Section Page No.

1.0 INTRODUCTION 1
1.1 Site Description and Background 1
1.2 Regional Geology and Hydrogeologic Setting 2
1.3 Groundwater Monitoring Well Network 2
2.0 GROUNDWATER MONITORING ACTIVITIES 2
2.1 Monitoring Well Installation and Maintenance 2
2.2 Detection Monitoring Program 3
2.3 Additional Sampling 3
3.0 SAMPLE METHODOLOGY AND ANALYSIS 3
3.1 Groundwater Flow Direction, Gradient, and Velocity 4
3.2 Groundwater Sampling 4
3.3 Laboratory Analyses 5
3.4 Quality Assurance and Quality Control 5
4.0 STATISTICAL ANALYSIS 5
4.1 Appendix I and III Constituents Methods 6
4.2 Statistical Analyses Results for Appendix I Parameters 7
4.3 Statistical Analyses Results for Appendix III Parameters 7
5.0 ALTERNATE SOURCE DEMONSTRATIONS 7
6.0 MONITORING PROGRAM STATUS 8
7.0 CONCLUSIONS AND FUTURE ACTIONS 8
8.0 REFERENCES 8

Tables

Table 1 – Monitoring Network Well Summary
Table 2 – Groundwater Sampling Event Summary
Table 3 – Summary of Groundwater Monitoring Parameters
Table 4 – Summary of Groundwater Elevations – March 2022
Table 5 – Horizontal Groundwater Flow Velocity Calculations – March 2022
Table 6 – Summary of Groundwater Analytical Data – March 2022
Table 7 – Summary of Surface Water Analytical Data – March 2022
Table 8 – Statistical Method Summary

Figures

Figure 1 – Site Map
Figure 2 – Well Location Map
Figure 3 – Potentiometric Contour Map – March 2022

Appendices

Appendix A – Laboratory Analytical and Field Sampling Reports
Laboratory Analytical Reports – March 2022 Monitoring Event
Laboratory Data Validations – March 2022 Monitoring Event
Field Sampling Reports – March 2022 Monitoring Event
Daily Instrument Calibration Logs – March 2022 Monitoring Event
Well Inspection Forms – March 2022 Monitoring Event
Laboratory Analytical Reports – May 2022 Verification Event
Laboratory Data Validations – May 2022 Verification Event
Field Sampling Reports – May 2022 Verification Event
Daily Instrument Calibration Logs – May 2022 Verification Event
Laboratory Analytical Reports – June 2022 Verification Event
Laboratory Data Validations – June 2022 Verification Event
Field Sampling Reports – June 2022 Verification Event
Daily Instrument Calibration Logs – June 2022 Verification Event
Appendix B – Statistical Analysis Report
Appendix C – Alternate Source Demonstration

1.0 INTRODUCTION

In accordance with the United States Environmental Protection Agency (US EPA) Coal Combustion Residuals (CCR) Rule [40 Code of Federal Regulations (CFR) 257 Subpart D] and the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management 391-3-4-.10, Atlantic Coast Consulting, Inc. (ACC) has prepared this *2022 Semiannual Groundwater Monitoring and Corrective Action Report* to document groundwater monitoring activities conducted at the 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 requirements specified in the Design and Operation (D&O) Plan (Georgia Power, 2010). A 2017 minor modification to the permit approved the addition of Appendix III and IV parameters contained in 40 CFR § 257 Subpart D to the groundwater monitoring plan in the permit. An application for a new Georgia CCR permit was submitted to Georgia EPD in November 2018 for the facility to replace the existing Solid Waste Permit.

This report provides the results of the sampling event conducted in March 2022 and includes results for: (1) a list of modified constituents derived from Appendix I 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 *2022 Semiannual Groundwater Monitoring and Corrective Action Report* in accordance with 391-3-4-.10(6)(a) and 40 CFR § 257.90(e). For ease of reference when discussing aspects of the CCR Rule, only the US EPA CCR rules are cited within this report.

1.1 Site Description and Background

Plant Wansley is located in northeast Heard County and southeast Carroll County, Georgia, at 1371 Liberty Church Road, approximately 12 miles southeast of the City of Carrollton. The plant property encompasses approximately 5,100 acres and is bounded on the east by the Chattahoochee River (Figure 1, Site Map). As part of the 2022 Integrated Resource Plan, the Georgia Public Service Commission approved decertification and retirement of the Plant Wansley Coal fired units by August 31, 2022. The Site is located on the property south of the plant. The Site is composed of three cells within an approximate 73-acre disposal footprint. Each cell of the Plant Wansley Landfill is lined with a 60-mil thick high-density polyethylene (HDPE) liner underlain by a geosynthetic clay liner (GCL), a 6-inch compacted clay layer [maximum permeability of 1 x 10^{-5} centimeters per second (cm/sec)], and structural fill. A leachate collection and removal system overlies the liner system to remove liquids and reduce head pressure on the liner.

Routine groundwater sampling and reporting began after background groundwater conditions were established between August 2011 and July 2013, prior to placement of waste, in accordance with the Solid Waste Permit requirements specified in the D&O Plan. The monitoring program has been 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 May 2016 and August 2017.

1.2 Regional Geology and Hydrogeologic Setting

The Site is located in the Piedmont physiographic province of Georgia characterized by low, linear ridges separated by broad, open valleys trending northeast-southwest. The Piedmont contains predominately metamorphic rock of Precambrian to Paleozoic age. Over geologic time the Piedmont has experienced multiple events of uplift, folding and faulting, alternation, and erosion.

Soils in the Piedmont formed mostly from the in-place weathering of the underlying crystalline bedrock. Near the ground surface, the soils are silt- and clay-rich. Sand and fine sand become more prominent with depth. Furthermore, with increasing depth the weathered materials tend to retain details of the structural features of the underlying bedrock.

The Site is situated on several bedrock types composed of schist, gneiss, quartzite, and amphibolite identified in boring logs (Golder, 2018). Residual soils are primarily sandy silt, silty sand, sandy clay, and silty clay which overlie bedrock across the site. Saprolitic soils were described at variable thickness across the Site but were generally encountered at or near ground surface.

Groundwater occurs across the Site in the overburden soils, as well as in the underlying and hydraulically connected bedrock. Recharge to the bedrock originates from groundwater stored in low permeability, high porosity, clay- and silt-rich overburden material. Infiltration of groundwater through overburden material to bedrock occurs in areas of enhanced permeability (i.e., areas of high fracture density). The water table surface at the Site is a subdued mimic of the topography. Top of the rock surface generally follows topography and likely controls groundwater flow direction in the uppermost aquifer as well. Groundwater flow across the Site is generally to the east and northeast.

1.3 Groundwater Monitoring Well Network

A groundwater monitoring system was installed within the uppermost aquifer at the Site. The monitoring system is designed to monitor groundwater passing the waste boundary of the CCR Unit within the uppermost aquifer. Figure 2, Well Location Map, shows the monitoring well locations (Table 1, Monitoring Network Well Summary). Wells were located to serve as upgradient and downgradient monitoring points, based on groundwater flow direction (Figure 3, Potentiometric Contour Map – March 2022).

2.0 GROUNDWATER MONITORING ACTIVITIES

Pursuant to 40 CFR § 257.90(e), the following describes monitoring-related activities performed during the semiannual monitoring period. There are no changes in the status of the monitoring program. All groundwater sampling was performed in accordance with 40 CFR § 257.93. Samples were collected in March 2022 from each well in the certified monitoring system shown on Figure 2.

2.1 Monitoring Well Installation and Maintenance

There was no change to the groundwater monitoring system during the reporting period; the network remained the same as in the previous reporting year, i.e., 2021. Monitoring wells are inspected semiannually to determine if any repairs or corrective actions are necessary to meet the requirements of the Georgia Water Well Standards Act (O.C.G.A. § 12-5-134(5)(d)(vii)). In March 2022, monitoring wells were inspected, and routine maintenance was performed as

needed. Well inspection checklists completed during the reporting period are included in Appendix A, Laboratory Analytical and Field Sampling Reports. No repairs were conducted during the monitoring period. This well inspection and documentation were performed under the direction of a professional geologist or engineer registered in the State of Georgia.

2.2 Detection Monitoring Program

Detection monitoring is performed on a semiannual basis in accordance with the approved Georgia EPD Solid Waste Permit and the Site's D&O Plan. The semiannual sampling event was conducted in March 2022. A summary of groundwater sampling events completed during the reporting period is provided in Table 2, Groundwater Sampling Event Summary.

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

- A state-modified Appendix I list of detection parameters according to Georgia EPD Rules for Solid Waste Management 391-3-4-.14 and the approved Georgia EPD Solid Waste Permit [No. 074-005D(LI)]. The state-modified Appendix I analyte list includes antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc.
- Appendix III constituents according to 40 CFR § 257.94(a).

The analytes required by Appendix I and Appendix III are summarized in Table 3, Summary of Groundwater Monitoring Parameters. Copies of the analytical data packages for the semiannual detection monitoring events are included in Appendix A.

2.3 Additional Sampling

Surface water samples were collected from SWA-1, SWA-6, SWC-5, SWC-7, and SWC-8 during the March 2022 event. Locations SWC-2, SWC-3, SWC-4, and SWC-9 were dry at the time of sampling in March 2022.

Due to reduced plant operation, flue gas desulfurization (FGD) equipment Units 1 and 2 were not in operation at the time of sampling during the March 2022 event; therefore, no effluent samples were collected. Moving forward, effluent samples will not be collected as plant FGD operations will be discontinued. Field parameter logs and laboratory analytical reports for surface water samples collected during the March 2022 monitoring event are included in Appendix A.

Due to anomalous results for boron in GWC-12 and GWC-15, mercury in GWC-14, and zinc in GWC-33, as well as potential quality control issues identified for boron (GWC-12, GWC-14, GWC-15), vanadium (GWC-17, GWC-19, GWC-22, GWC-31), and zinc (GWC-14 and GWC-33) during data validation, these wells were resampled in May 2022. An additional evaluation of the GWC-15 result was conducted by a resample event in June 2022. The May 2022 and June 2022 resample results are presented in Appendix A.

3.0 SAMPLE METHODOLOGY AND ANALYSIS

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

3.1 Groundwater Flow Direction, Gradient, and Velocity

Prior to sampling, groundwater elevations were recorded from each well in the network at the Site. Groundwater elevations recorded during the monitoring events are summarized in Table 4, Summary of Groundwater Elevations – March 2022. Groundwater elevation data were used to develop Figure 3. As shown on Figure 3, groundwater flows semi-radially from topographic highs near GWA-2 and GWA-28. Across the entire Site, groundwater generally flows to the east. The groundwater flow patterns observed during the monitoring events are consistent with historical patterns.

The horizontal 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 0.10 (SCS, 2007). The groundwater flow velocity has been calculated and is tabulated on Table 5, Horizontal Groundwater Flow Velocity Calculations – March 2022. The calculated flow velocity was approximately 0.46 feet per day during the March 2022 event. Calculated groundwater velocities across the Site are generally consistent with historical calculations and site-specific geology; therefore, confirming the groundwater monitoring network as properly located to monitor the uppermost aquifer.

3.2 Groundwater Sampling

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

Monitoring wells were purged and sampled using low-flow sampling procedures. An Aqua Troll (In-Situ field instrument) 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 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% for DO, or 0.2 milligrams per liter (mg/L), whichever is greater. No criterion applies if DO < 0.5 mg/L
- Turbidity measurements less than 5 nephelometric turbidity units (NTU)

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

3.3 Laboratory Analyses

Laboratory analyses were performed by Eurofins. Eurofins is accredited by the National Environmental Laboratory Accreditation Program (NELAP) and maintains a NELAP certification for the parameters analyzed for this project. In addition, Eurofins is certified to perform analysis by the State of Georgia. Analytical results from the March 2022 detection events are summarized in Table 6, Summary of Groundwater Analytical Data – March 2022. Surface water analytical results are presented in Table 7, Summary of Surface Water Analytical Data – March 2022. Analytical methods used for groundwater monitoring parameters, chain-of-custody records, and analytical results are provided in laboratory reports 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 per every 10 detection samples. Equipment blanks (where non-dedicated sampling equipment is used) and duplicate samples were collected during each sampling event. QA/QC sample data were evaluated during data validation and are included in Appendix A.

Groundwater quality data in this report were validated in accordance with US EPA guidance (US EPA, 2011) and the analytical methods. Data validation generally consisted of reviewing sample integrity, holding times, laboratory method blanks, laboratory control samples, matrix spike/matrix spike duplicate recoveries and relative percent differences (RPDs), post digestion spikes, laboratory and field duplicate RPDs, field and equipment blanks, and reporting limits (RLs). Where appropriate, validation qualifiers and flags are applied to the data using US EPA procedures as guidance (US EPA, 2017). Data validation summaries are included in Appendix A.

Values followed by a "J" flag in Tables 6 and 7 indicate that the result 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. “J” flagged data are used to establish background statistical limits but are not used when performing statistical analyses or calculating RPDs. The data are considered usable for meeting project objectives and the results are considered valid.

4.0 STATISTICAL ANALYSIS

The statistical method used at the Site was developed by Groundwater Stats Consulting, LLC (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).

A permit minor modification was submitted to Georgia EPD following submittal of the *2019 First Semiannual Groundwater Monitoring Report* to allow for intrawell methods to be used for Appendix I analytes. The statistical methodology was revised to an intrawell method following the June 2019 monitoring event.

On February 26, 2021, Georgia Power submitted a minor modification to implement a two-step statistical approach for the detection monitoring program to address initial statistically significant increases (SSIs) over background for constituents currently using the intrawell statistical approach. In a letter dated November 3, 2021, Georgia EPD approved this approach. The two-step analysis is 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].

Statistical analysis of March 2022 groundwater monitoring data was performed by GSC following the appropriate certified statistical methodology for the Site and in accordance with minor modifications submitted to Georgia EPD in 2019 and 2021. A summary of the statistical methodology used at the Site for routine groundwater monitoring is provided in Table 8, Statistical Method Summary. Statistical analysis methods and results are provided in Appendix B, Statistical Analysis Report. The methods and results are summarized in the following sections.

4.1 Appendix I and III Constituents Methods

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 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.

Interwell prediction limits (PLs) 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. Intrawell PLs are constructed from historical data within a given well, and the most recent sample is compared to background.

Statistical tests used to evaluate Appendix I groundwater monitoring data consist of intrawell PLs combined with a 1-of-3 verification resample plan for the permit-required Appendix I parameters, except for cobalt and nickel at GWC-14. The occurrence of cobalt and nickel at GWC-14 was previously addressed in an alternate source demonstration (ASD) [SCS, 2017] and results for these parameters are evaluated by trend tests.

Statistical tests used to evaluate Appendix III groundwater monitoring data consist of interwell PLs combined with a 1-of-2 verification resample plan for parameters boron, calcium, chloride, and fluoride. Monitoring results for pH, sulfate, and total dissolved solids (TDS) were evaluated using intrawell PLs combined with a 1-of-3 verification resample plan.

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, in instances where an apparent Appendix I or III SSI is identified by intrawell statistical methods, interwell statistical methods may be used as a reasonable second step to determine sitewide background.

If data from a sampling event initially exceeds the PL, 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 PL, 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 PL, there is no SSI. If resampling is not performed, the initial exceedance is a confirmed SSI. In 1-of-3 resampling, two independent resamples may be collected and evaluated within 90 days to determine whether the initial exceedance is verified. If a resample exceeds the PL, 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 PL, there is no SSI. If resampling is not performed, the initial exceedance is a confirmed SSI.

4.2 Statistical Analyses Results for Appendix I Parameters

Analytical data from the monitoring event in March 2022 were statistically analyzed in accordance with the statistical methods. The statistical analysis and comparison to PLs are included in Appendix B.

Based on the statistical results presented in Appendix B, evaluation of parameters exhibiting initial exceedances of the intrawell statistical analysis and additional evaluation by interwell statistical analysis identified unverified SSIs for mercury in the sample from GWC-14 and zinc in the sample from GWC-33. However, these results were not verified during the May verification event. Therefore, there were no statistical exceedances identified for Appendix I parameters.

4.3 Statistical Analyses Results for Appendix III Parameters

Analytical data from the monitoring event in March 2022 were statistically analyzed in accordance with the statistical methods. The statistical analysis and comparison to PLs are included in Appendix B.

Based on the statistical results presented in Appendix B, the evaluation of parameters exhibiting initial exceedances of the interwell statistical analysis identified unverified SSIs for boron in the samples from GWC-12 and GWC-15 in the March 2022 monitoring event. However, only the boron result reported from GWC-15 during the May verification event constituted a verified statistical exceedance. Therefore, the verified exceedances identified during this event include:

- Boron: GWC-14 and GWC-15
- Chloride: GWC-14

The boron SSIs identified for GWC-14 and GWC-15 are consistent with conditions outlined by an ASD completed in April 2018 (ACC, 2018) for GWC-14. The conditions outlined in the April 2018 ASD are still present and are further evaluated in an update to the ASD to include GWC-15, and is provided as Appendix C, Alternate Source Demonstration. The current chloride SSI for GWC-14 is also addressed by the April 2018 ASD and current update.

5.0 ALTERNATE SOURCE DEMONSTRATIONS

ASDs were previously submitted to Georgia EPD under separate report covers to address SSIs of Appendix I and Appendix III parameters. Based on Georgia EPD guidance, ASDs no longer require concurrence if an SSI has not been detected for two consecutive events, which indicates natural variability. SSIs confirmed during this reporting period and the previous event (August 2021) have been addressed by a previous ASD in April 2018 listed below. SSIs from the previous event not confirmed during this reporting period are noted in the table. SSIs at GWC-14, as well as the SSI confirmed for GWC-15 during this reporting period, are further addressed by an update to the 2018 ASD listed below and included as Appendix C.

Reference	SSI(s)	Well(s)	Status
Atlantic Coast Consulting, Inc., Alternate Source Demonstration – Plant Wansley CCR Landfill, April 2018, updated August 2022.	boron	GWC-9(1)	Submitted
	boron	GWC-14	
	chloride	GWC-14	
	boron	GWC-15	

NOTES:
(1) SSI from previous event not confirmed during this reporting period.

6.0 MONITORING PROGRAM STATUS

The Site groundwater monitoring network remains in detection monitoring pursuant to the Federal CCR Rule § 257.94 and Georgia's Solid Waste Management Rule 391-3-4-.14(21). Verified SSIs for Appendix III parameters were addressed by previous ASDs or are addressed by an update to a 2018 ASD included as Appendix C.

7.0 CONCLUSIONS AND FUTURE ACTIONS

This *2022 Semiannual Groundwater Monitoring and Corrective Action Report, Georgia Power Company – Plant Wansley CCR Landfill* was prepared to fulfill the requirements of both applicable federal and state CCR Rules and Georgia EPD Solid Waste Management Rules (40 CFR § 257.90(e), 391-3-4-.10, and 391-3-4-.14). Statistical evaluations of the groundwater monitoring data for the Site identified SSIs of Appendix III groundwater monitoring parameters. Verified SSIs have been addressed by ASDs or are addressed by an update to a 2018 ASD included as Appendix C, and the Site remains in detection monitoring.

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

8.0 REFERENCES

Atlantic Coast Consulting, Inc. (ACC), *Alternate Source Demonstration - Addendum –Plant Wansley CCR Landfill*, April 2018a.

Atlantic Coast Consulting, Inc. (ACC), *Alternate Source Demonstration –Plant Wansley CCR Landfill*, June 2018b.

Atlantic Coast Consulting, Inc. (ACC), *Alternate Source Demonstration –Plant Wansley CCR Landfill*, December 2018c.

Atlantic Coast Consulting, Inc. (ACC), *Alternate Source Demonstration –Plant Wansley CCR Landfill*, December 2019.

Atlantic Coast Consulting, Inc. (ACC), *Alternate Source Demonstration –Plant Wansley CCR Landfill*, April 2020a.

Atlantic Coast Consulting, Inc. (ACC), *Alternate Source Demonstration –Plant Wansley CCR Landfill*, August 2020b.

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

Golder Associates, Inc. *Geologic and Hydrogeologic Report – Plant Wansley*, November 2018.

Groundwater Stats Consulting, 2019. *Plant Wansley Landfill Background Data Screening & Recommended Statistical Methods*. August 2019.

Groundwater Stats Consulting, 2019. *Plant Wansley Landfill Background Data Screening & Recommended Statistical Method*s. August 2019.

Groundwater Stats Consulting, 2021. *Plant Wansley Landfill Statistical Analysis – March 2021*. August 2021.

Sanitas: Groundwater Statistical Software, Sanitas Technologies, Shawnee, KS, 2007.

Southern Company Services, Inc. 2017. *Alternate Source Demonstration for Plant Wansley Disposal Facility Groundwater Monitoring Network.*

Southern Company Services, Inc. 2007. *Georgia Power Company Plant Wansley Proposed Coal Combustion By-Product Disposal Facility Site Acceptability Report – Revision 1.*

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

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

US EPA, 2017, Groundwater Sampling – Operating Procedure: SESDPROC-3-1-R4, Athens, Georgia, 34 p.

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

TABLES

Table 1
Monitoring Network Well Summary
Plant Wansley CCR Landfill
Heard County

Well	Installation Date (mm/dd/yyyy)	Northing	Easting	Ground Surface Elevation (NAVD88)	Top of Casing Elevation (NAVD88)	Bottom Depth (ft BTOC)	Bottom Elevation (NAVD88)	Depth to Top of Screen (ft BTOC)	Top of Screen Elevation (NAVD88)	Purpose
GWA-1	03/03/2011	1236940.49	2027869.31	774.93	778.02	49.79	728.23	39.49	738.53	Upgradient
GWA-2	03/03/2011	1237147.60	2027481.39	813.07	816.16	60.09	756.07	49.79	766.37	Upgradient
GWA-3	03/03/2011	1237240.36	2027158.40	787.27	790.64	31.37	759.27	21.07	769.57	Upgradient
GWA-4	02/11/2011	1237254.83	2026747.92	776.51	779.54	40.53	739.01	30.23	749.31	Upgradient
GWC-5	02/10/2011	1237692.42	2026716.41	753.08	755.91	40.83	715.08	30.53	725.38	Downgradient
GWC-6	02/10/2011	1237924.67	2027012.89	746.86	749.98	31.12	718.86	20.82	729.16	Downgradient
GWC-7	02/10/2011	1238261.86	2027268.99	728.13	731.15	26.02	705.13	15.72	715.43	Downgradient
GWC-8	02/22/2011	1238501.55	2027640.45	720.35	723.46	20.11	703.35	9.81	713.65	Downgradient
GWC-9	02/23/2011	1238673.12	2027891.35	709.71	712.65	19.44	693.21	9.14	703.51	Downgradient
GWC-10	07/12/2011	1238950.81	2028309.04	705.84	709.41	21.97	687.44	11.67	697.74	Downgradient
GWC-11	02/23/2011	1238930.02	2028592.08	697.89	701.05	18.16	682.89	7.86	693.19	Downgradient
GWC-12	02/24/2011	1238738.52	2028921.56	721.02	724.06	40.54	683.52	30.24	693.82	Downgradient
GWC-13	02/28/2011	1238622.44	2029289.86	691.12	694.08	90.46	603.62	80.16	613.92	Downgradient
GWC-14	06/28/2011	1238428.07	2029551.52	688.59	692.63	24.34	668.29	14.04	678.59	Downgradient
GWC-15	02/28/2011	1238163.93	2029814.36	684.38	687.44	51.06	636.38	40.76	646.68	Downgradient
GWC-16	06/28/2011	1237809.03	2029989.71	687.13	690.32	26.89	663.43	16.59	673.73	Downgradient
GWC-17	06/28/2011	1237469.64	2029801.29	701.65	704.55	53.20	651.35	42.90	661.65	Downgradient
GWC-18	03/01/2011	1237097.77	2029691.53	697.42	700.31	30.39	669.92	20.09	680.22	Downgradient
GWC-19	07/13/2011	1236841.16	2029323.11	694.54	698.47	38.43	660.04	28.13	670.34	Downgradient
GWC-20	03/01/2011	1236645.57	2029149.57	703.33	706.29	70.96	635.33	60.66	645.63	Downgradient
GWC-21	07/12/2011	1236230.06	2028634.08	717.32	721.02	38.30	682.72	28.00	693.02	Downgradient
GWC-22	03/02/2011	1236396.22	2028325.64	741.04	744.17	77.13	667.04	66.83	677.34	Downgradient
GWC-23	03/02/2011	1236657.67	2028089.81	770.46	773.41	67.95	705.46	57.65	715.76	Downgradient
GWC-24	02/15/2011	1237355.54	2026407.92	787.48	790.37	51.09	739.28	40.79	749.58	Downgradient
GWC-25	02/15/2011	1237404.61	2026089.46	809.37	812.36	61.29	751.07	50.99	761.37	Downgradient
GWC-26	02/16/2011	1237625.00	2025790.42	782.56	785.60	59.54	726.06	49.24	736.36	Downgradient
GWC-27	02/16/2011	1237829.15	2025522.92	811.38	814.32	70.94	743.38	60.64	753.68	Downgradient
GWA-28	02/22/2011	1237995.74	2025182.65	846.33	849.16	45.83	803.33	35.53	813.63	Upgradient
GWA-29	06/27/2011	1238288.93	2024984.27	831.70	834.67	57.07	777.60	46.77	787.90	Upgradient
GWC-30	02/17/2011	1238565.49	2025118.88	788.46	791.10	49.64	741.46	39.34	751.76	Downgradient
GWC-31	06/21/2011	1238701.92	2025618.17	793.57	797.50	38.03	759.47	27.53	769.97	Downgradient
GWC-32	02/18/2011	1238774.04	2025876.12	782.17	785.38	31.21	754.17	20.91	764.47	Downgradient
GWC-33	02/18/2011	1238818.01	2026322.50	757.02	760.05	24.03	736.02	13.73	746.32	Downgradient
GWC-34	02/21/2011	1238558.69	2026569.25	732.49	735.40	50.91	684.49	40.41	694.99	Downgradient
GWC-35	02/08/2011	1238243.50	2026822.29	728.11	730.64	40.53	690.11	30.23	700.41	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 West Zone
3. NAVD88 indicates feet relative to North American Vertical Datum of 1988.

Table 2
Groundwater Sampling Event Summary
Plant Wansley CCR Landfill
Heard County

Well	Hydraulic Location	Feb. 28 - Mar. 10, 2022	May 3-4, 2022	June 7, 2022	Status of Monitoring Well
Purpose of Sampling Event:		Semiannual Detection Event	Verification Event	Evaluation Event	
GWA-1	Upgradient	X	--	--	Detection
GWA-2	Upgradient	X	--	--	Detection
GWA-3	Upgradient	X	--	--	Detection
GWA-4	Upgradient	X	--	--	Detection
GWC-5	Downgradient	X	--	--	Detection
GWC-6	Downgradient	X	--	--	Detection
GWC-7	Downgradient	X	--	--	Detection
GWC-8	Downgradient	X	--	--	Detection
GWC-9	Downgradient	X	--	--	Detection
GWC-10	Downgradient	X	--	--	Detection
GWC-11	Downgradient	X	--	--	Detection
GWC-12	Downgradient	X	X	--	Detection
GWC-13	Downgradient	X	--	--	Detection
GWC-14	Downgradient	X	X	--	Detection
GWC-15	Downgradient	X	X	X	Detection
GWC-16	Downgradient	X	--	--	Detection
GWC-17	Downgradient	X	X	--	Detection
GWC-18	Downgradient	X	--	--	Detection
GWC-19	Downgradient	X	X	--	Detection
GWC-20	Downgradient	X	--	--	Detection
GWC-21	Downgradient	X	--	--	Detection
GWC-22	Downgradient	X	X	--	Detection
GWC-23	Downgradient	X	--	--	Detection
GWC-24	Downgradient	X	--	--	Detection
GWC-25	Downgradient	X	--	--	Detection
GWC-26	Downgradient	X	--	--	Detection
GWC-27	Downgradient	X	--	--	Detection
GWA-28	Upgradient	X	--	--	Detection
GWA-29	Upgradient	X	--	--	Detection
GWC-30	Downgradient	X	--	--	Detection
GWC-31	Downgradient	X	X	--	Detection
GWC-32	Downgradient	X	--	--	Detection
GWC-33	Downgradient	X	X	--	Detection
GWC-34	Downgradient	X	--	--	Detection
GWC-35	Downgradient	X	--	--	Detection

Notes:
1. X indicates sample was collected.
2. Semiannual Detection Event includes Appendix III and Appendix I Parameters.
3. -- = Not sampled.

Table 3
Summary of Groundwater Monitoring Parameters
Plant Wansley CCR Landfill
Heard County

Appendix III (40 CFR 257)	Appendix IV (40 CFR 257)	Modified Appendix I Metals (State Permit)
Boron	Antimony	Antimony
Calcium	Arsenic	Arsenic
Chloride	Barium	Barium
Fluoride	Beryllium	Beryllium
pH	Cadmium	Cadmium
Sulfate	Chromium	Chromium
Total Dissolved Solids	Cobalt	Cobalt
	Fluoride	Copper
	Lead	Lead
	Lithium	Mercury
	Mercury	Nickel
	Molybdenum	Selenium
	Radium 226 and 228 combined	Silver
	Selenium	Thallium
	Thallium	Vanadium
		Zinc

Table 4
Summary of Groundwater Elevations
March 2022
Plant Wansley CCR Landfill
Heard County

Well ID	Top of Casing Elevation (NAVD88)	Depth-to-Water (ft BTOC)	Groundwater Elevation (NAVD88)
GWA-1	778.02	19.14	758.88
GWA-2	816.16	43.56	772.60
GWA-3	790.64	23.14	767.50
GWA-4	779.54	21.64	757.90
GWC-5	755.91	14.87	741.04
GWC-6	749.98	16.74	733.24
GWC-7	731.15	7.81	723.34
GWC-8	723.46	8.65	714.81
GWC-9	712.65	7.13	705.52
GWC-10	709.41	11.36	698.05
GWC-11	701.05	6.00	695.05
GWC-12	724.06	27.16	696.90
GWC-13	694.08	5.77	688.31
GWC-14	692.63	9.40	683.23
GWC-15	687.44	5.86	681.58
GWC-16	690.32	9.68	680.64
GWC-17	704.55	19.50	685.05
GWC-18	700.31	12.46	687.85
GWC-19	698.47	6.48	691.99
GWC-20	706.29	4.88	701.41
GWC-21	721.02	12.56	708.46
GWC-22	744.17	22.88	721.29
GWC-23	773.41	35.06	738.35
GWC-24	790.37	41.71	748.66
GWC-25	812.36	50.82	761.54
GWC-26	785.60	30.00	755.60
GWC-27	814.32	43.19	771.13
GWA-28	849.16	25.00	824.16
GWA-29	834.67	40.87	793.80
GWC-30	791.10	24.98	766.12
GWC-31	797.50	29.50	768.00
GWC-32	785.38	24.78	760.60
GWC-33	760.05	13.27	746.78
GWC-34	735.40	3.97	731.43
GWC-35	730.64	7.80	722.84

Notes:
1. ft BTOC indicates feet below top of casing.
2. ft NAVD88 indicates feet North American Vertical Datum of 1988.
3. Depths to water measured February 28, 2022.

Table 5
Horizontal Groundwater Flow Velocity Calculations
March 2022
Plant Wansley CCR Landfill
Heard County

Equation

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

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

Values Used in Calculation

	Value		Source
K =	4.1E-04 1.16	cm/sec ft/day	See note 1.
dh/dl_1 =	16.86/439 0.038	ft/ft unitless	from GWA-4 to GWC-5
dh/dl_2 =	66.89/1458 0.046	ft/ft unitless	from GWA-1 to GWC-19
dh/dl_3 =	91.96/2594 0.035	ft/ft unitless	from GWA-2 to GWC-16
dh/dl_{avg} =	0.040	unitless	Average (i_1, i_2, i_3)
P_e =	0.10	unitless	See note 1.

Calculation

$$v = \frac{(1.16)\,(0.04)}{0.10}$$

v = 0.46 ft/day

Notes

(1) Plant Wansley Proposed Combustion By-Product Disposal Facility Site Acceptability Report (2007)

Table 6
Summary of Groundwater Analytical Data
March 2022
Plant Wansley CCR Landfill
Heard County

Parameter		GWA-1	GWA-2	GWA-3	GWA-4	GWC-5	GWC-6	GWC-7	GWC-8
		2/28/2022	3/1/2022	3/1/2022	3/1/2022	3/2/2022	3/2/2022	3/2/2022	3/2/2022
Appendix III	Boron	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060	<0.060
	Calcium	0.76	3.0	15	24	30	14	47	24
	Chloride	2.1	4.2	15	8.6	11	7.6	22	3.0
	Fluoride	<0.026	<0.026	<0.026	0.035 J	0.093 J	0.082 J	0.16	0.058 J
	pH	5.29	5.65	5.70	6.29	6.31	5.89	6.40	5.89
	Sulfate	<0.76	2.0	64	9.6	28	13	41	14
	TDS	25	26	180	140	180	130	370	150
Required by Permit	Antimony	<0.00051	<0.00051	<0.00051	<0.00051	<0.00051	<0.00051	<0.00051	<0.00051
	Arsenic	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028
	Barium	0.010	0.012	0.078	0.12	0.024	0.054	0.071	0.037
	Beryllium	<0.00027	<0.00027	<0.00027	<0.00027	<0.00027	<0.00027	<0.00027	<0.00027
	Cadmium	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022
	Chromium	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015
	Cobalt	0.00087 J	<0.00026	0.00052 J	0.0067	0.0048	0.011	0.00043 J	0.0050
	Copper	<0.0011	<0.0011	0.0025	<0.0011	<0.0011	<0.0011	<0.0011	0.0019 J
	Lead	<0.00017	<0.00017	<0.00017	<0.00017	<0.00017	<0.00017	<0.00017	<0.00017
	Mercury	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013
	Nickel	0.00089 J	0.00062 J	0.0027	0.0021	0.0038	0.0053	0.0076	0.0030
	Selenium	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074
	Silver	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022
	Thallium	<0.00047	<0.00047	<0.00047	<0.00047	<0.00047	<0.00047	<0.00047	<0.00047
	Vanadium	<0.00078	<0.00078	0.0012	<0.00078	0.0030	<0.00078	0.0031	0.0013
	Zinc	0.0032 J	<0.0029	0.012	<0.0029	<0.0029	<0.0029	<0.0029	0.0037 J

Notes:
1. Results for parameters are reported in milligrams per liter (mg/L). pH results are reported in Standard Units.
2. < indicates the parameter was not detected above the relevant laboratory method detection limit (MDL).
3. J indicates the parameter was detected at such low levels that the precision of the laboratory instrument could not produce a reliable value. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated value.
4. TDS indicates total dissolved solids.
5. Appendix III = indicator parameters evaluated during Detection Monitoring per 40 CFR § 257.94(a).
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. Verification sampling was performed for select parameters in GWC-12, GWC-14, GWC-15, GWC-17, GWC-19, GWC-22, GWC-31, and GWC-33.

Table 6
Summary of Groundwater Analytical Data
March 2022
Plant Wansley CCR Landfill
Heard County

Parameter		GWC-9	GWC-10	GWC-11	GWC-12	GWC-12	GWC-13	GWC-14	GWC-14
		3/9/2022	3/8/2022	3/7/2022	3/7/2022	5/3/2022	3/8/2022	3/7/2022	5/3/2022
Appendix III	Boron	<0.060	<0.060	0.067 J	0.11	0.075 J	<0.060	1.0	1.3
	Calcium	8.1	16	6.9	48	--	3.9	31	--
	Chloride	4.0	4.8	1.4	33	--	1.4	160	--
	Fluoride	0.068 J	1.2	0.14	0.18	--	0.13	0.071 J	--
	pH	5.53	5.90	6.10	7.32	7.34	6.93	5.50	5.27
	Sulfate	6.6	13	<0.76	40	--	3.3	16	--
	TDS	82	130	130	220	--	38	320	--
Required by Permit	Antimony	<0.00051	<0.00051	<0.00051	<0.00051	--	0.0011 J	<0.00051	--
	Arsenic	<0.00028	<0.00028	0.00088 J	0.00050 J	--	<0.00028	<0.00028	--
	Barium	0.094	0.013	0.16	0.025	--	0.0034 J	0.23	--
	Beryllium	<0.00027	<0.00027	<0.00027	<0.00027	--	<0.00027	0.00051 J	--
	Cadmium	<0.00022	<0.00022	<0.00022	<0.00022	--	<0.00022	<0.00022	--
	Chromium	<0.0015	<0.0015	0.0016 J	<0.0015	--	<0.0015	<0.0015	--
	Cobalt	0.024	0.0028	0.0016 J	0.00071 J	--	<0.00026	0.19	--
	Copper	<0.0011	<0.0011	<0.0011	<0.0011	--	<0.0011	<0.0011	--
	Lead	<0.00017	<0.00017	<0.00017	<0.00017	--	<0.00017	<0.00017	--
	Mercury	<0.00013	<0.00013	<0.00013	<0.00013	--	<0.00013	0.00023	<0.00013
	Nickel	0.0076	0.0017	<0.00052	<0.00052	--	<0.00052	0.020	--
	Selenium	<0.00074	<0.00074	<0.00074	<0.00074	--	<0.00074	<0.00074	--
	Silver	<0.00022	<0.00022	<0.00022	<0.00022	--	<0.00022	<0.00022	--
	Thallium	<0.00047	<0.00047	<0.00047	<0.00047	--	<0.00047	<0.00047	--
	Vanadium	<0.00078	<0.00078	0.0025	<0.00078	--	<0.00078	<0.00078	--
	Zinc	0.0030 J	<0.0029	<0.0029	<0.0029	--	<0.0029	0.014	0.040

Notes:
1. Results for parameters are reported in milligrams per liter (mg/L). pH results are reported in Standard Units.
2. < indicates the parameter was not detected above the relevant laboratory method detection limit (MDL).
3. J indicates the parameter was detected at such low levels that the precision of the laboratory instrument could not produce a reliable value. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated value.
4. TDS indicates total dissolved solids.
5. Appendix III = indicator parameters evaluated during Detection Monitoring per 40 CFR § 257.94(a).
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. Verification sampling was performed for select parameters in GWC-12, GWC-14, GWC-15, GWC-17, GWC-19, GWC-22, GWC-31, and GWC-33.

Table 6
Summary of Groundwater Analytical Data
March 2022
Plant Wansley CCR Landfill
Heard County

Parameter		GWC-15	GWC-15	GWC-15	GWC-16	GWC-17	GWC-17	GWC-18	GWC-19
		3/7/2022	5/4/2022	6/7/2022	3/8/2022	3/8/2022	5/4/2022	3/8/2022	3/8/2022
Appendix III	Boron	0.14	0.13	0.067 J	<0.060	<0.060	--	<0.060	<0.060
	Calcium	11	--	--	6.6	7.9	--	7.5	9.0
	Chloride	8.8	--	--	1.7	0.86 J	--	1.6	1.5
	Fluoride	0.12	--	--	0.057 J	0.057 J	--	0.058 J	0.046 J
	pH	6.50	6.51	6.44	6.03	6.06	6.08	6.01	5.81
	Sulfate	3.1	--	--	1.1	1.0	--	1.1	0.94 J
	TDS	80	--	--	70	87	--	72	61
Required by Permit	Antimony	<0.00051	--	--	<0.00051	<0.00051	--	<0.00051	<0.00051
	Arsenic	<0.00028	--	--	<0.00028	<0.00028	--	<0.00028	<0.00028
	Barium	0.011	--	--	0.018	0.016	--	0.040	0.12
	Beryllium	<0.00027	--	--	<0.00027	<0.00027	--	<0.00027	<0.00027
	Cadmium	<0.00022	--	--	<0.00022	<0.00022	--	<0.00022	0.00097 J
	Chromium	<0.0015	--	--	0.0022	<0.0015	--	<0.0015	<0.0015
	Cobalt	<0.00026	--	--	<0.00026	<0.00026	--	<0.00026	0.00038 J
	Copper	<0.0011	--	--	<0.0011	<0.0011	--	<0.0011	<0.0011
	Lead	<0.00017	--	--	<0.00017	<0.00017	--	<0.00017	<0.00017
	Mercury	<0.00013	--	--	<0.00013	<0.00013	--	<0.00013	<0.00013
	Nickel	<0.00052	--	--	<0.00052	<0.00052	--	<0.00052	0.0012
	Selenium	<0.00074	--	--	<0.00074	<0.00074	--	<0.00074	<0.00074
	Silver	<0.00022	--	--	<0.00022	<0.00022	--	<0.00022	<0.00022
	Thallium	<0.00047	--	--	<0.00047	<0.00047	--	<0.00047	<0.00047
	Vanadium	<0.00078	--	--	0.0039	0.0019	0.0031	0.0014	0.0011
	Zinc	<0.0029	--	--	<0.0029	<0.0029	--	<0.0029	0.0056

Notes:
1. Results for parameters are reported in milligrams per liter (mg/L). pH results are reported in Standard Units.
2. < indicates the parameter was not detected above the relevant laboratory method detection limit (MDL).
3. J indicates the parameter was detected at such low levels that the precision of the laboratory instrument could not produce a reliable value. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated value.
4. TDS indicates total dissolved solids.
5. Appendix III = indicator parameters evaluated during Detection Monitoring per 40 CFR § 257.94(a).
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. Verification sampling was performed for select parameters in GWC-12, GWC-14, GWC-15, GWC-17, GWC-19, GWC-22, GWC-31, and GWC-33.

Table 6
Summary of Groundwater Analytical Data
March 2022
Plant Wansley CCR Landfill
Heard County

Parameter		GWC-19	GWC-20	GWC-21	GWC-22	GWC-22	GWC-23	GWC-24	GWC-25
		5/4/2022	3/7/2022	3/7/2022	3/8/2022	5/4/2022	3/9/2022	3/10/2022	3/8/2022
Appendix III	Boron	--	<0.060	<0.060	<0.060	--	<0.060	<0.060	<0.060
	Calcium	--	8.6	6.5	11	--	3.5	0.14 J	7.3
	Chloride	--	2.3	3.7	1.3	--	1.4	3.2	4.6
	Fluoride	--	0.070 J	0.043 J	0.054 J	--	0.049 J	0.037 J	0.057 J
	pH	5.72	6.13	5.37	6.41	6.41	5.50	5.14	6.24
	Sulfate	--	1.3	1.1	<0.76	--	0.76 J	0.83 J	5.4
	TDS	--	72	43	89	--	40	15	59
Required by Permit	Antimony	--	<0.00051	<0.00051	<0.00051	--	<0.00051	<0.00051	<0.00051
	Arsenic	--	<0.00028	<0.00028	<0.00028	--	<0.00028	<0.00028	<0.00028
	Barium	--	0.032	0.063	0.026	--	0.0041 J	0.0095 J	0.023
	Beryllium	--	<0.00027	<0.00027	<0.00027	--	<0.00027	<0.00027	<0.00027
	Cadmium	--	<0.00022	<0.00022	<0.00022	--	<0.00022	<0.00022	<0.00022
	Chromium	--	<0.0015	<0.0015	<0.0015	--	<0.0015	<0.0015	<0.0015
	Cobalt	--	<0.00026	0.0026	<0.00026	--	<0.00026	0.0011 J	0.0023 J
	Copper	--	<0.0011	<0.0011	0.0024	--	<0.0011	<0.0011	<0.0011
	Lead	--	<0.00017	<0.00017	<0.00017	--	<0.00017	<0.00017	<0.00017
	Mercury	--	<0.00013	<0.00013	<0.00013	--	<0.00013	<0.00013	<0.00013
	Nickel	--	<0.00052	<0.00052	<0.00052	--	<0.00052	0.0011	0.0039
	Selenium	--	<0.00074	<0.00074	<0.00074	--	<0.00074	<0.00074	<0.00074
	Silver	--	<0.00022	<0.00022	<0.00022	--	<0.00022	<0.00022	<0.00022
	Thallium	--	<0.00047	<0.00047	<0.00047	--	<0.00047	<0.00047	<0.00047
	Vanadium	<0.00078	0.0017	<0.00078	0.0090	0.0082	0.00093 J	<0.00078	<0.00078
	Zinc	--	<0.0029	0.0029 J	<0.0029	--	<0.0029	0.0037 J	<0.0029

Notes:
1. Results for parameters are reported in milligrams per liter (mg/L). pH results are reported in Standard Units.
2. < indicates the parameter was not detected above the relevant laboratory method detection limit (MDL).
3. J indicates the parameter was detected at such low levels that the precision of the laboratory instrument could not produce a reliable value Therefore, the value displayed (value J) is qualified by the laboratory as an estimated value.
4. TDS indicates total dissolved solids.
5. Appendix III = indicator parameters evaluated during Detection Monitoring per 40 CFR § 257.94(a)
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. Verification sampling was performed for select parameters in GWC-12, GWC-14, GWC-15, GWC-17, GWC-19, GWC-22, GWC-31, and GWC-33.

Table 6
Summary of Groundwater Analytical Data
March 2022
Plant Wansley CCR Landfill
Heard County

Parameter		GWC-26	GWC-27	GWA-28	GWA-29	GWC-30	GWC-31	GWC-31	GWC-32
		3/9/2022	3/8/2022	3/1/2022	3/2/2022	3/2/2022	3/10/2022	5/4/2022	3/9/2022
Appendix III	Boron	0.066 J	<0.060	<0.060	<0.060	<0.060	<0.060	--	<0.060
	Calcium	2.0	2.4	2.8	4.3	3.6	8.3	--	5.4
	Chloride	3.3	0.72 J	1.2	1.2	1.3	0.94 J	--	1.0
	Fluoride	0.049 J	0.50	1.3	1.8	0.047 J	1.5	--	1.9
	pH	5.69	5.57	5.96	5.87	6.07	6.02	6.19	6.11
	Sulfate	<0.76	1.6	1.0	6.0	1.4	8.9	--	7.6
	TDS	28	25	72	85	41	87	--	74
Required by Permit	Antimony	<0.00051	0.00064 J	<0.00051	<0.00051	<0.00051	<0.00051	--	<0.00051
	Arsenic	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	--	<0.00028
	Barium	0.037	0.015	<0.0031	<0.0031	0.0072 J	<0.0031	--	<0.0031
	Beryllium	<0.00027	0.0048	0.00042 J	0.0020 J	<0.00027	0.00074 J	--	0.0010 J
	Cadmium	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022	--	<0.00022
	Chromium	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015	--	<0.0015
	Cobalt	<0.00026	0.0013 J	<0.00026	<0.00026	<0.00026	<0.00026	--	<0.00026
	Copper	<0.0011	<0.0011	<0.0011	0.0053	<0.0011	<0.0011	--	<0.0011
	Lead	<0.00017	<0.00017	<0.00017	<0.00017	<0.00017	<0.00017	--	<0.00017
	Mercury	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013	--	<0.00013
	Nickel	0.0011	<0.00052	<0.00052	0.0012	<0.00052	0.00055 J	--	<0.00052
	Selenium	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074	--	<0.00074
	Silver	<0.00022	<0.00022	<0.00022	0.0013	<0.00022	<0.00022	--	<0.00022
	Thallium	<0.00047	<0.00047	<0.00047	<0.00047	<0.00047	<0.00047	--	<0.00047
	Vanadium	<0.00078	0.00085 J	<0.00078	<0.00078	0.0013	0.0012	0.00084 J	<0.00078
	Zinc	<0.0029	<0.0029	0.0057	0.024	<0.0029	0.0066	--	0.024

Notes:
1. Results for parameters are reported in milligrams per liter (mg/L). pH results are reported in Standard Units.
2. < indicates the parameter was not detected above the relevant laboratory method detection limit (MDL).
3. J indicates the parameter was detected at such low levels that the precision of the laboratory instrument could not produce a reliable value. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated value.
4. TDS indicates total dissolved solids.
5. Appendix III = indicator parameters evaluated during Detection Monitoring per 40 CFR § 257.94(a).
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. Verification sampling was performed for select parameters in GWC-12, GWC-14, GWC-15, GWC-17, GWC-19, GWC-22, GWC-31, and GWC-33.

Table 6
Summary of Groundwater Analytical Data
March 2022
Plant Wansley CCR Landfill
Heard County

Parameter		GWC-33	GWC-33	GWC-34	GWC-35
		3/9/2022	5/4/2022	3/2/2022	3/2/2022
Appendix III	Boron	<0.060	--	<0.060	<0.060
	Calcium	20	--	2.8	2.6
	Chloride	1.5	--	1.1	4.6
	Fluoride	2.1	--	0.086 J	<0.026
	pH	5.85	6.67	5.91	5.73
	Sulfate	7.4	--	1.6	3.2
	TDS	97	--	42	28
Required by Permit	Antimony	<0.00051	--	<0.00051	<0.00051
	Arsenic	<0.00028	--	<0.00028	<0.00028
	Barium	0.0060 J	--	0.012	0.022
	Beryllium	<0.00027	--	<0.00027	<0.00027
	Cadmium	<0.00022	--	<0.00022	<0.00022
	Chromium	<0.0015	--	<0.0015	<0.0015
	Cobalt	0.00031 J	--	<0.00026	<0.00026
	Copper	<0.0011	--	<0.0011	<0.0011
	Lead	<0.00017	--	<0.00017	<0.00017
	Mercury	<0.00013	--	<0.00013	<0.00013
	Nickel	<0.00052	--	0.00064 J	0.0015
	Selenium	<0.00074	--	<0.00074	<0.00074
	Silver	<0.00022	--	<0.00022	<0.00022
	Thallium	<0.00047	--	<0.00047	<0.00047
	Vanadium	<0.00078	--	<0.00078	<0.00078
	Zinc	0.12	0.022	<0.0029	<0.0029

Notes:
1. Results for parameters are reported in milligrams per liter (mg/L). pH results are reported in Standard Units.
2. < indicates the parameter was not detected above the relevant laboratory method detection limit (MDL).
3. J indicates the parameter was detected at such low levels that the precision of the laboratory instrument could not produce a reliable value. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated value.
4. TDS indicates total dissolved solids.
5. Appendix III = indicator parameters evaluated during Detection Monitoring per 40 CFR § 257.94(a).
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. Verification sampling was performed for select parameters in GWC-12, GWC-14, GWC-15, GWC-17, GWC-19, GWC-22, GWC-31, and GWC-33.

Table 7
Summary of Surface Water Analytical Data
March 2022
Plant Wansley CCR Landfill
Heard County

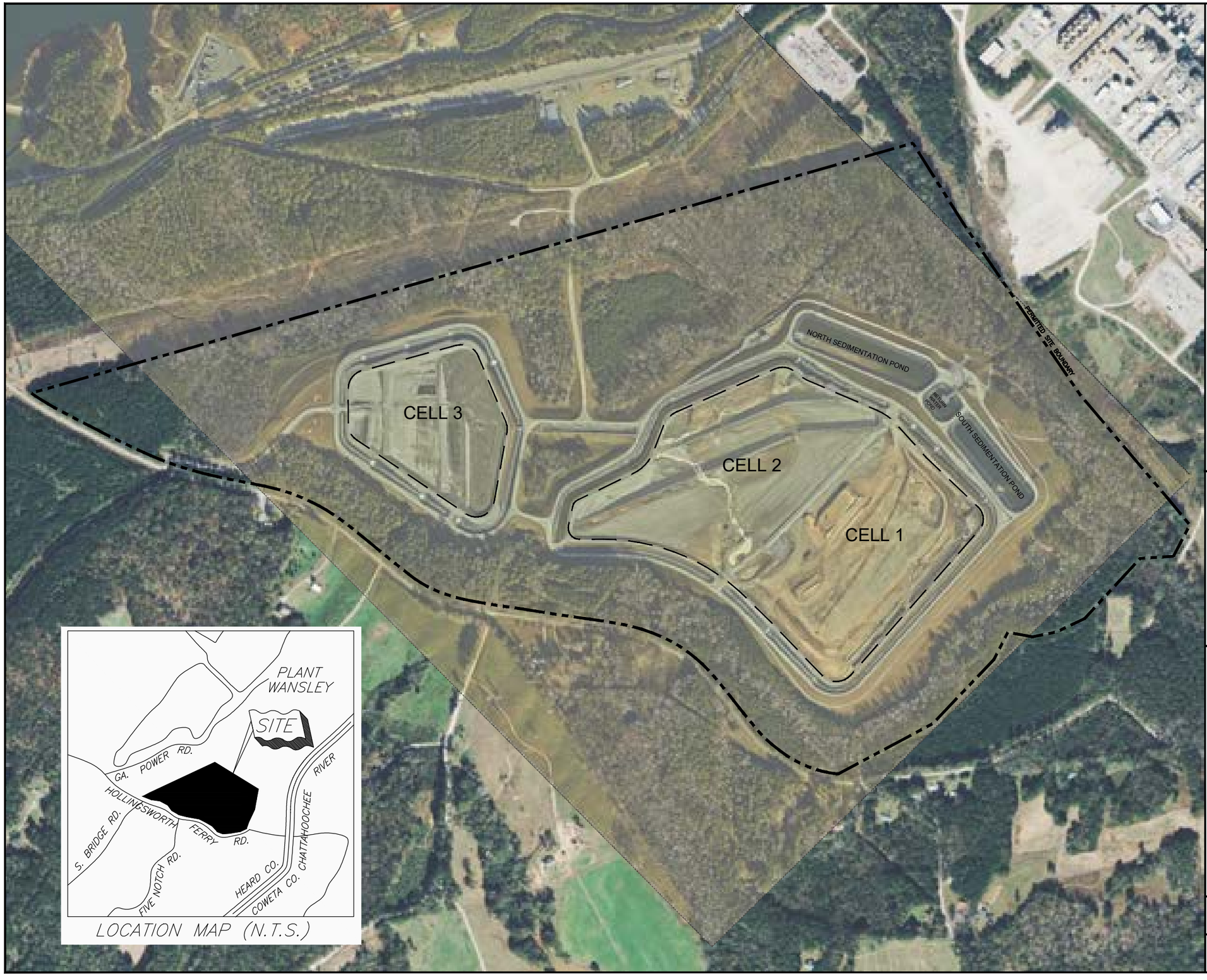
	Parameter	SWA-1	SWA-6	SWC-5	SWC-7	SWC-8
		3/4/2022	3/4/2022	3/4/2022	3/4/2022	3/4/2022
Appendix III	Boron	<0.060	0.092	0.25	0.11	<0.060
	Calcium	2.7	7.5	16	8.0	13
	Chloride	3.1	11	26	11	4.2
	Fluoride	0.091 J	0.13	0.11	0.10	0.087 J
	pH	7.00	6.63	5.69	6.95	6.19
	Sulfate	2.2	10	16	12	12
	TDS	39	56	140	67	86
Required by Permit	Antimony	<0.00051	<0.00051	<0.00051	<0.00051	<0.00051
	Arsenic	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028
	Barium	0.018	0.027	0.097	0.028	0.036
	Beryllium	<0.00027	<0.00027	<0.00027	<0.00027	<0.00027
	Cadmium	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022
	Chromium	<0.0015	<0.0015	<0.0015	<0.0015	<0.0015
	Cobalt	<0.00026	0.00050 J	0.019	0.00060 J	0.0053
	Copper	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011
	Lead	<0.00017	<0.00017	<0.00017	<0.00017	0.00020 J
	Mercury	<0.00013	<0.00013	<0.00013	<0.00013	<0.00013
	Nickel	<0.00052	<0.00052	0.0069	0.00063 J	0.00092 J
	Selenium	<0.00074	<0.00074	<0.00074	<0.00074	<0.00074
	Silver	<0.00022	<0.00022	<0.00022	<0.00022	<0.00022
	Thallium	<0.00047	<0.00047	<0.00047	<0.00047	<0.00047
	Vanadium	<0.00078	<0.00078	<0.00078	<0.00078	0.00086 J
	Zinc	0.0035 J	0.0041 J	<0.0029	0.0038 J	0.0034 J

Notes:
1. Results for parameters are reported in milligrams per liter (mg/L). pH results are reported in Standard Units.
2. < indicates the parameter was not detected above the relevant laboratory method detection limit.
3. J indicates the parameter was detected at such low levels that the precision of the laboratory instrument could not produce a reliable value. Therefore, the value displayed (value J) is qualified by the laboratory as an estimated value.
4. TDS indicates total dissolved solids.
5. Appendix III parameters per 40 CFR § 257.94(a).
6. Parameters required by permit are the list of modified constituents derived from Appendix I of 40 CFR § 258 included in the D&O Plan in the permit.

Table 8
Statistical Method Summary
Plant Wansley CCR Landfill
Heard County

Plant Wansley CCR Landfill Statistical Method Summary		
Monitoring Well Network	Upgradient Wells	GWA-1, GWA-2, GWA-3, GWA-4, GWA-28, and GWA-29
	Downgradient Wells	GWC-5, GWC-6, GWC-7, GWC-8, GWC-9, GWC-10, GWC-11, GWC-12, GWC-13, GWC-14, GWC-15, GWC-16, GWC-17, GWC-18, GWC-19, GWC-20, GWC-21, GWC-22, GWC-23, GWC-24, GWC-25, GWC-26, GWC-27, GWC-30, GWC-31, GWC-32, GWC-33, GWC-34, and GWC-35
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
Modified Appendix I Parameters	Detection Monitoring	Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Cobalt, Copper, Lead, Mercury, 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, and fluoride) or intrawell (pH, sulfate, TDS, and EPD Permit Metals) statistical limits are on constituent specific basis, depending on the appropriateness of the method as determined by the Analysis of Variance. Intrawell exceedances are further evaluated by interwell analysis per the two-step statistical method.

FIGURES



LOCATION MAP (N.T.S.)

ATLANTIC COAST CONSULTING, INC.

600 0 300 600

SCALE (IN FEET)

LEGEND:

EXISTING	DESCRIPTION
	APPROXIMATE PROPERTY BOUNDARY
	APPROXIMATE LANDFILL/CELL BOUNDARY

NOTE:
1. AERIAL DATED 1/10/2022 FROM SAM, LLC. ADDITIONAL PHOTOGRAPHY DATED 2022 FROM MICROSOFT CORPORATION, MAXAR, CNES, DISTRIBUTION AIRBUS DS.

PROJECT

Georgia Power

GEORGIA POWER COMPANY
PLANT WANSLEY LANDFILL

2022 SEMIANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

SITE MAP

PROJECT NO. I054-110 June 2022

DRAWN BY:	MM	FIGURE:
CHECKED BY:	RW	1

ATLANTIC COAST CONSULTING, INC.

500 0 250 500

SCALE (IN FEET)

LEGEND:

EXISTING	DESCRIPTION
	APPROXIMATE PROPERTY BOUNDARY
	APPROXIMATE LANDFILL/CELL BOUNDARY
GWC–10	MONITORING WELL
SWA–1	SURFACE WATER MONITORING POINT

NOTE:
1. SURFACE WATER MONITORING POINTS SWC-2, SWC-3, SWC-4, SWC-5, SWC-8, AND SWC-9 ARE UNDERDRAIN SAMPLING LOCATIONS.
2. AERIAL DATED 1/10/2022 FROM SAM, LLC. ADDITIONAL PHOTOGRAPHY DATED 2022 FROM MICROSOFT CORPORATION, MAXAR, CNES, DISTRIBUTION AIRBUS DS.

PROJECT

Georgia Power

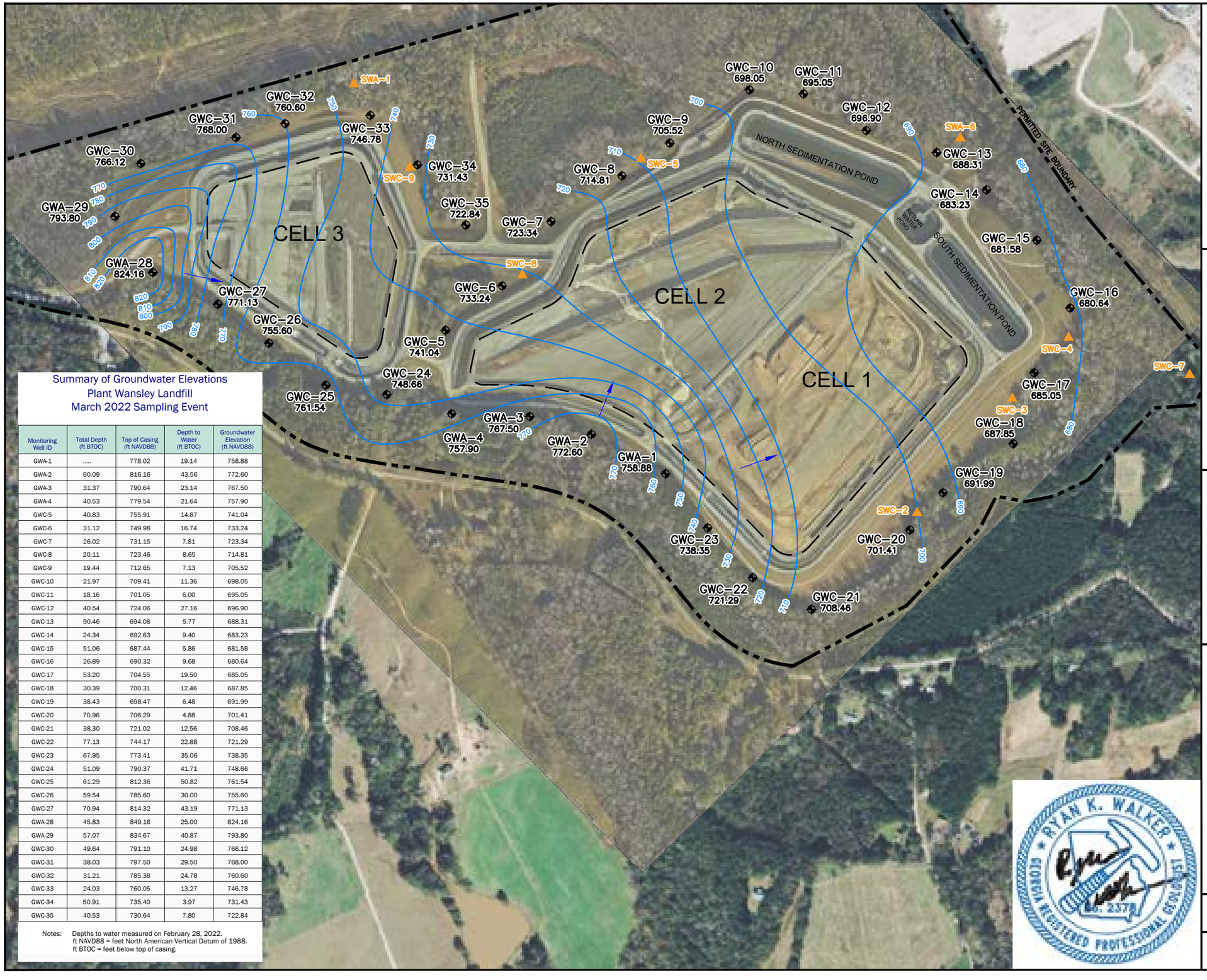
GEORGIA POWER COMPANY
PLANT WANSLEY LANDFILL

2022 SEMIANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

WELL LOCATION MAP

PROJECT NO. I054-110 June 2022

DRAWN BY:	MM	FIGURE:
CHECKED BY:	RW	2



Summary of Groundwater Elevations
Plant Wansley Landfill
March 2022 Sampling Event

Monitoring Well ID	Total Depth (ft BTOC)	Top of Casing (ft NAVD88)	Depth to Water (ft BTOC)	Groundwater Elevation (ft NAVD88)
GWA-1	.....	778.02	19.14	758.88
GWA-2	60.09	816.16	43.56	772.60
GWA-3	31.37	790.64	23.14	767.50
GWA-4	40.53	779.54	21.64	757.90
GWC-5	40.83	755.91	14.87	741.04
GWC-6	31.12	749.98	16.74	733.24
GWC-7	26.02	731.15	7.81	723.34
GWC-8	20.11	723.46	8.65	714.81
GWC-9	19.44	712.65	7.13	705.52
GWC-10	21.97	709.41	11.36	698.05
GWC-11	18.16	701.05	6.00	695.05
GWC-12	40.54	724.06	27.16	696.90
GWC-13	90.46	694.08	5.77	688.31
GWC-14	24.34	692.63	9.40	683.23
GWC-15	51.06	687.44	5.86	681.58
GWC-16	26.89	690.32	9.68	680.64
GWC-17	53.20	704.55	19.50	685.05
GWC-18	30.39	700.31	12.46	687.85
GWC-19	38.43	698.47	6.48	691.99
GWC-20	70.96	706.29	4.88	701.41
GWC-21	38.30	721.02	12.56	708.46
GWC-22	77.13	744.17	22.88	721.29
GWC-23	67.95	773.41	35.06	738.35
GWC-24	51.09	790.37	41.71	748.66
GWC-25	61.29	812.36	50.82	761.54
GWC-26	59.54	785.60	30.00	755.60
GWC-27	70.94	814.32	43.19	771.13
GWA-28	45.83	849.16	25.00	824.16
GWA-29	57.07	834.67	40.87	793.80
GWC-30	49.64	791.10	24.98	766.12
GWC-31	38.03	797.50	29.50	768.00
GWC-32	31.21	785.38	24.78	760.60
GWC-33	24.03	760.05	13.27	746.78
GWC-34	50.91	735.40	3.97	731.43
GWC-35	40.53	730.64	7.80	722.84

Notes: Depths to water measured on February 28, 2022.
ft NAVD88 = feet North American Vertical Datum of 1988.
ft BTOC = feet below top of casing.

ATLANTIC COAST CONSULTING, INC.

500 0 250 500

SCALE (IN FEET)

LEGEND:

EXISTING	DESCRIPTION
	APPROXIMATE PROPERTY BOUNDARY
	APPROXIMATE LANDFILL/CELL BOUNDARY
GWC-10 697.52	MONITORING WELL GROUNDWATER ELEVATION
SWA-1	SURFACE WATER MONITORING POINT
700 700	GROUNDWATER ELEVATION CONTOUR
	GROUNDWATER FLOW DIRECTION

NOTE:
1. SURFACE WATER MONITORING POINTS SWC-2, SWC-3, SWC-4, SWC-5, SWC-8, AND SWC-9 ARE UNDERDRAIN SAMPLING LOCATIONS.
2. AERIAL DATED 1/10/2022 FROM SAM, LLC. ADDITIONAL PHOTOGRAPHY DATED 2022 FROM MICROSOFT CORPORATION, MAXAR, CNES, DISTRIBUTION AIRBUS DS.

RYAN K. WALKER * GEORGIA REGISTERED PROFESSIONAL GEOLOGIST * No. 2378

PROJECT

Georgia Power

GEORGIA POWER COMPANY
PLANT WANSLEY LANDFILL

2022 SEMIANNUAL GROUNDWATER MONITORING AND CORRECTIVE ACTION REPORT

POTENTIOMETRIC CONTOUR MAP MARCH 2022

PROJECT NO. I054-110 June 2022

DRAWN BY:	JB	FIGURE:
CHECKED BY:	MM	3

APPENDICES

APPENDIX A

LABORATORY ANALYTICAL AND FIELD SAMPLING REPORTS

APPENDIX A

Laboratory Analytical Reports
March 2022 Monitoring Event

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 180-134562-1
Client Project/Site: Plant Wansley Landfill

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

Attn: Kristen N Jurinko

Authorized for release by:
4/8/2022 8:03:11 PM

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

PA Lab ID: 02-00416

Table of Contents

Cover Page 1
Table of Contents 2
Case Narrative 3
Definitions/Glossary 4
Certification Summary 5
Sample Summary 6
Method Summary 7
Lab Chronicle 8
Client Sample Results 29
QC Sample Results 76
QC Association Summary 93
Chain of Custody 105
Receipt Checklists 114

Job ID: 180-134562-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-134562-1

Receipt
The samples were received on 3/3/2022 9:30 AM, 3/5/2022 9:00 AM, 3/9/2022 10:30 AM and 3/11/2022 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 12 coolers at receipt time were 1.4°C, 1.5°C, 2.1°C, 2.7°C, 2.9°C, 2.9°C, 3.1°C, 3.7°C, 3.9°C, 4.2°C, 4.4°C and 4.4°C

HPLC/IC
. Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 180-391482 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 300_ORGFM_28D: The continuing calibration verification (CCV) associated with batch 180-392394 recovered above the upper control limit for <AffectedAnalytes>. The samples associated with this CCV were non-detects for the affected analytes; therefore, the data have been reported. The associated samples are impacted: EB-4 (180-135070-3), EB-3 (180-135070-11) and FB-4 (180-135070-13).

Method 300_ORGFM_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 180-394377 were outside control limits. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

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

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

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

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

Definitions/Glossary

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Qualifiers

HPLC/IC

Qualifier	Qualifier Description
*-	LCS and/or LCSD is outside acceptance limits, low biased.
F1	MS and/or MSD recovery exceeds control limits.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

Metals

Qualifier	Qualifier Description
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
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Laboratory: Eurofins Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-22
California	State	2891	04-30-22
Connecticut	State	PH-0688	09-30-22
Florida	NELAP	E871008	06-30-22
Georgia	State	PA 02-00416	04-30-22
Illinois	NELAP	004375	06-30-22
Kansas	NELAP	E-10350	03-31-22 *
Kentucky (UST)	State	162013	04-30-22
Kentucky (WW)	State	KY98043	12-31-22
Louisiana	NELAP	04041	06-30-22
Maine	State	PA00164	03-06-24
Minnesota	NELAP	042-999-482	12-31-22
Nevada	State	PA00164	08-31-22
New Hampshire	NELAP	2030	04-05-22 *
New Jersey	NELAP	PA005	06-30-23
New York	NELAP	11182	04-02-22 *
North Carolina (WW/SW)	State	434	12-31-22
North Dakota	State	R-227	04-30-22
Oregon	NELAP	PA-2151	02-06-22 *
Pennsylvania	NELAP	02-00416	04-30-22
Rhode Island	State	LAO00362	12-31-21 *
South Carolina	State	89014	06-30-22
Texas	NELAP	T104704528	03-31-23
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Utah	NELAP	PA001462019-8	05-31-22
Virginia	NELAP	10043	09-15-22
West Virginia DEP	State	142	01-31-23
Wisconsin	State	998027800	08-31-22

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

Sample Summary

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-134562-1	EB-1	Water	03/01/22 14:25	03/03/22 09:30
180-134562-2	GWA-2	Water	03/01/22 14:35	03/03/22 09:30
180-134562-3	GWA-29	Water	03/02/22 10:43	03/03/22 09:30
180-134562-4	GWC-30	Water	03/02/22 11:35	03/03/22 09:30
180-134562-5	GWC-7	Water	03/02/22 10:50	03/03/22 09:30
180-134562-6	GWC-35	Water	03/02/22 12:42	03/03/22 09:30
180-134562-7	FB-2	Water	03/02/22 13:15	03/03/22 09:30
180-134562-8	GWC-34	Water	03/02/22 13:35	03/03/22 09:30
180-134562-9	GWA-1	Water	02/28/22 15:15	03/03/22 09:30
180-134562-10	GWA-3	Water	03/01/22 11:35	03/03/22 09:30
180-134562-11	GWA-4	Water	03/01/22 12:50	03/03/22 09:30
180-134562-12	GWA-28	Water	03/01/22 14:50	03/03/22 09:30
180-134562-13	FB-1	Water	03/01/22 12:35	03/03/22 09:30
180-134760-1	GWC-5	Water	03/02/22 12:50	03/05/22 09:00
180-134760-2	GWC-6	Water	03/02/22 14:10	03/05/22 09:00
180-134760-3	GWC-8	Water	03/02/22 16:00	03/05/22 09:00
180-134760-4	Dup-1	Water	03/02/22 00:01	03/05/22 09:00
180-134886-1	GWC-11	Water	03/07/22 15:18	03/09/22 10:30
180-134886-2	GWC-12	Water	03/07/22 15:25	03/09/22 10:30
180-134886-3	GWC-14	Water	03/07/22 13:20	03/09/22 10:30
180-134886-4	GWC-15	Water	03/07/22 14:18	03/09/22 10:30
180-134886-5	GWC-20	Water	03/07/22 10:50	03/09/22 10:30
180-134886-6	GWC-21	Water	03/07/22 11:50	03/09/22 10:30
180-134886-7	EB-2	Water	03/07/22 11:05	03/09/22 10:30
180-134886-8	FB-3	Water	03/08/22 11:10	03/09/22 10:30
180-134886-9	GWC-13	Water	03/08/22 11:30	03/09/22 10:30
180-134886-10	GWC-25	Water	03/08/22 12:30	03/09/22 10:30
180-134886-11	GWC-18	Water	03/08/22 13:43	03/09/22 10:30
180-134886-12	GWC-10	Water	03/08/22 11:00	03/09/22 10:30
180-134886-13	GWC-16	Water	03/08/22 12:15	03/09/22 10:30
180-134886-14	Dup-2	Water	03/07/22 00:01	03/09/22 10:30
180-135070-1	GWC-26	Water	03/09/22 10:56	03/11/22 09:30
180-135070-2	GWC-32	Water	03/09/22 14:00	03/11/22 09:30
180-135070-3	EB-4	Water	03/09/22 11:25	03/11/22 09:30
180-135070-4	GWC-9	Water	03/09/22 14:15	03/11/22 09:30
180-135070-5	GWC-17	Water	03/08/22 13:55	03/11/22 09:30
180-135070-6	GWC-19	Water	03/08/22 14:25	03/11/22 09:30
180-135070-7	GWC-22	Water	03/08/22 15:15	03/11/22 09:30
180-135070-8	GWC-23	Water	03/09/22 11:10	03/11/22 09:30
180-135070-9	GWC-27	Water	03/08/22 15:54	03/11/22 09:30
180-135070-10	GWC-33	Water	03/09/22 14:40	03/11/22 09:30
180-135070-11	EB-3	Water	03/09/22 10:10	03/11/22 09:30
180-135070-12	Dup-3	Water	03/08/22 00:00	03/11/22 09:30
180-135070-13	FB-4	Water	03/09/22 14:25	03/11/22 09:30
180-135070-14	GWC-24	Water	03/10/22 11:05	03/11/22 09:30
180-135070-15	GWC-31	Water	03/10/22 09:55	03/11/22 09:30
180-135070-16	Dup-4	Water	03/10/22 00:00	03/11/22 09:30

Method Summary

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

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

Protocol References:

EPA = US Environmental Protection Agency

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

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

Laboratory References:

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

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: EB-1

Lab Sample ID: 180-134562-1
Date Collected: 03/01/22 14:25
Matrix: Water
Date Received: 03/03/22 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			390542	03/05/22 18:19	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	390524	03/05/22 09:09	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390895	03/08/22 11:01	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	391619	03/15/22 08:37	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			391910	03/16/22 15:10	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	390551	03/05/22 15:33	SNR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	390868	03/08/22 15:38	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWA-2

Lab Sample ID: 180-134562-2
Date Collected: 03/01/22 14:35
Matrix: Water
Date Received: 03/03/22 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			390542	03/05/22 18:04	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	390524	03/05/22 09:09	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390895	03/08/22 11:05	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	391619	03/15/22 08:37	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			391910	03/16/22 15:11	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	390551	03/05/22 15:33	SNR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			391139	03/01/22 14:35	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWA-29

Lab Sample ID: 180-134562-3
Date Collected: 03/02/22 10:43
Matrix: Water
Date Received: 03/03/22 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			390542	03/05/22 19:02	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	390524	03/05/22 09:09	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390895	03/08/22 11:09	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	391619	03/15/22 08:37	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			391910	03/16/22 15:12	RJR	TAL PIT
	Instrument ID: HGY									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWA-29

Lab Sample ID: 180-134562-3

Date Collected: 03/02/22 10:43

Matrix: Water

Date Received: 03/03/22 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	390708	03/07/22 17:08	JCR	TAL PIT
Total/NA	Analysis	Field Sampling		1			391139	03/02/22 10:43	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-30

Lab Sample ID: 180-134562-4

Date Collected: 03/02/22 11:35

Matrix: Water

Date Received: 03/03/22 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			390542	03/05/22 23:36	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	390524	03/05/22 09:09	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390895	03/08/22 11:12	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	391619	03/15/22 08:37	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			391910	03/16/22 15:13	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	390714	03/07/22 19:07	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			391139	03/02/22 11:35	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-7

Lab Sample ID: 180-134562-5

Date Collected: 03/02/22 10:50

Matrix: Water

Date Received: 03/03/22 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			390542	03/05/22 23:51	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	390524	03/05/22 09:09	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390895	03/08/22 11:16	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	391619	03/15/22 08:37	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			391910	03/16/22 15:14	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	390714	03/07/22 19:07	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			391139	03/02/22 10:50	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-35

Lab Sample ID: 180-134562-6
Date Collected: 03/02/22 12:42
Matrix: Water
Date Received: 03/03/22 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			390542	03/06/22 00:20	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	390524	03/05/22 09:09	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			390895	03/08/22 11:27	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	391619	03/15/22 08:37	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			391910	03/16/22 15:15	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	390714	03/07/22 19:07	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			391139	03/02/22 12:42	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: FB-2

Lab Sample ID: 180-134562-7
Date Collected: 03/02/22 13:15
Matrix: Water
Date Received: 03/03/22 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			390542	03/06/22 00:34	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	390987	03/09/22 12:58	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			391201	03/10/22 13:57	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	391619	03/15/22 08:37	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			391910	03/16/22 15:16	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	390714	03/07/22 19:07	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-34

Lab Sample ID: 180-134562-8
Date Collected: 03/02/22 13:35
Matrix: Water
Date Received: 03/03/22 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			390542	03/06/22 00:48	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	390987	03/09/22 12:58	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			391201	03/10/22 14:01	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	391619	03/15/22 08:37	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			391910	03/16/22 15:20	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	390714	03/07/22 19:07	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-34
Date Collected: 03/02/22 13:35
Date Received: 03/03/22 09:30

Lab Sample ID: 180-134562-8
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	Field Sampling		1			391139	03/02/22 13:35	FDS	TAL PIT

Client Sample ID: GWA-1
Date Collected: 02/28/22 15:15
Date Received: 03/03/22 09:30

Lab Sample ID: 180-134562-9
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			390542	03/05/22 19:16	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	390987	03/09/22 12:58	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			391201	03/10/22 14:05	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	391619	03/15/22 08:37	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			391910	03/16/22 15:21	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	390551	03/05/22 15:33	SNR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			391139	02/28/22 15:15	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWA-3
Date Collected: 03/01/22 11:35
Date Received: 03/03/22 09:30

Lab Sample ID: 180-134562-10
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			390542	03/05/22 20:00	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	390987	03/09/22 12:58	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			391201	03/10/22 14:08	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	391619	03/15/22 08:37	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			391910	03/16/22 15:22	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	390551	03/05/22 15:33	SNR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			391139	03/01/22 11:35	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWA-4
Date Collected: 03/01/22 12:50
Date Received: 03/03/22 09:30

Lab Sample ID: 180-134562-11
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			390542	03/05/22 20:14	JRB	TAL PIT
	Instrument ID: INTEGRION									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWA-4

Date Collected: 03/01/22 12:50
Date Received: 03/03/22 09:30

Lab Sample ID: 180-134562-11

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	25 mL	390987	03/09/22 12:58	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			391201	03/10/22 14:12	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	391619	03/15/22 08:37	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			391910	03/16/22 15:23	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	390551	03/05/22 15:33	SNR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			391139	03/01/22 12:50	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWA-28

Date Collected: 03/01/22 14:50
Date Received: 03/03/22 09:30

Lab Sample ID: 180-134562-12

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			390542	03/05/22 20:29	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	390987	03/09/22 12:58	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			391201	03/10/22 14:16	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	391619	03/15/22 08:37	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			391910	03/16/22 15:25	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	390551	03/05/22 15:33	SNR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			391139	03/01/22 14:50	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: FB-1

Date Collected: 03/01/22 12:35
Date Received: 03/03/22 09:30

Lab Sample ID: 180-134562-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			390542	03/05/22 20:43	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	390987	03/09/22 12:58	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			391201	03/10/22 14:19	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	391619	03/15/22 08:37	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			391910	03/16/22 15:26	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	390551	03/05/22 15:33	SNR	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-5
Date Collected: 03/02/22 12:50
Date Received: 03/05/22 09:00

Lab Sample ID: 180-134760-1
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			390909	03/09/22 21:38	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	391389	03/12/22 12:43	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			391756	03/15/22 16:05	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	391840	03/16/22 11:31	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			392076	03/17/22 12:31	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	390694	03/07/22 13:59	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			391278	03/02/22 12:50	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-6
Date Collected: 03/02/22 14:10
Date Received: 03/05/22 09:00

Lab Sample ID: 180-134760-2
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			390909	03/09/22 20:44	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	391389	03/12/22 12:43	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			391756	03/15/22 16:08	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	391840	03/16/22 11:31	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			392076	03/17/22 12:32	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	390708	03/07/22 17:08	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			391278	03/02/22 14:10	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-8
Date Collected: 03/02/22 16:00
Date Received: 03/05/22 09:00

Lab Sample ID: 180-134760-3
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			390909	03/09/22 20:57	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	391389	03/12/22 12:43	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			391756	03/15/22 16:12	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	391840	03/16/22 11:31	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			392076	03/17/22 12:33	RJR	TAL PIT
	Instrument ID: HGY									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-8

Date Collected: 03/02/22 16:00
Date Received: 03/05/22 09:00

Lab Sample ID: 180-134760-3

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	SM 2540C		1	100 mL	100 mL	390708	03/07/22 17:08	JCR	TAL PIT
Total/NA	Analysis	Field Sampling		1			391278	03/02/22 16:00	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: Dup-1

Date Collected: 03/02/22 00:01
Date Received: 03/05/22 09:00

Lab Sample ID: 180-134760-4

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			390909	03/09/22 22:19	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	391389	03/12/22 12:43	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			391756	03/15/22 16:16	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	391840	03/16/22 11:31	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			392076	03/17/22 12:34	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	390694	03/07/22 13:59	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-11

Date Collected: 03/07/22 15:18
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134886-1

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	1 mL	1.0 mL	391482	03/14/22 19:54	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	391645	03/15/22 10:35	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			391939	03/16/22 15:45	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			25 mL	25 mL	392041	03/17/22 12:18	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392505	03/19/22 15:12	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	392940	03/24/22 13:29	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393087	03/25/22 11:45	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	391331	03/11/22 13:45	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			391864	03/07/22 15:18	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-12

Date Collected: 03/07/22 15:25
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134886-2

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			391482	03/14/22 20:07	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	391645	03/15/22 10:35	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			391939	03/16/22 15:49	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			25 mL	25 mL	392041	03/17/22 12:18	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392505	03/19/22 15:38	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	392940	03/24/22 13:29	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393087	03/25/22 11:46	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	391331	03/11/22 13:45	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			391864	03/07/22 15:25	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-14

Date Collected: 03/07/22 13:20
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134886-3

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	1 mL	1.0 mL	391482	03/14/22 20:21	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	391645	03/15/22 10:35	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			391939	03/16/22 15:52	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			25 mL	25 mL	392041	03/17/22 12:18	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392505	03/19/22 15:41	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	392940	03/24/22 13:29	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393087	03/25/22 11:47	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	391331	03/11/22 13:45	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			391864	03/07/22 13:20	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-15

Date Collected: 03/07/22 14:18
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134886-4

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			391482	03/14/22 21:15	JRB	TAL PIT
	Instrument ID: CHICS2100B									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-15

Lab Sample ID: 180-134886-4

Date Collected: 03/07/22 14:18

Matrix: Water

Date Received: 03/09/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	25 mL	391645	03/15/22 10:35	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			391939	03/16/22 16:03	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			25 mL	25 mL	392041	03/17/22 12:18	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392505	03/19/22 15:45	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	392940	03/24/22 13:29	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393087	03/25/22 11:52	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	391331	03/11/22 13:45	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			391864	03/07/22 14:18	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-20

Lab Sample ID: 180-134886-5

Date Collected: 03/07/22 10:50

Matrix: Water

Date Received: 03/09/22 10:30

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	1 mL	1.0 mL	391482	03/14/22 21:29	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	391645	03/15/22 10:35	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			391939	03/16/22 16:07	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			25 mL	25 mL	392041	03/17/22 12:18	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392505	03/19/22 15:49	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	392940	03/24/22 13:29	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393087	03/25/22 11:53	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	391331	03/11/22 13:45	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			391864	03/07/22 10:50	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-21

Lab Sample ID: 180-134886-6

Date Collected: 03/07/22 11:50

Matrix: Water

Date Received: 03/09/22 10:30

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			391482	03/14/22 18:17	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	391645	03/15/22 10:35	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			391939	03/16/22 16:10	RSK	TAL PIT
	Instrument ID: A									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-21

Lab Sample ID: 180-134886-6
Date Collected: 03/07/22 11:50
Matrix: Water
Date Received: 03/09/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	25 mL	392041	03/17/22 12:18	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392505	03/19/22 15:52	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	392940	03/24/22 13:29	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393087	03/25/22 11:54	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	391331	03/11/22 13:45	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			391864	03/07/22 11:50	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: EB-2

Lab Sample ID: 180-134886-7
Date Collected: 03/07/22 11:05
Matrix: Water
Date Received: 03/09/22 10:30

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	1 mL	1.0 mL	391482	03/14/22 21:43	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	391645	03/15/22 10:35	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			391939	03/16/22 16:14	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			25 mL	25 mL	392041	03/17/22 12:18	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392505	03/19/22 15:56	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	392940	03/24/22 13:29	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393087	03/25/22 11:56	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	391331	03/11/22 13:45	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: FB-3

Lab Sample ID: 180-134886-8
Date Collected: 03/08/22 11:10
Matrix: Water
Date Received: 03/09/22 10:30

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			391482	03/15/22 03:23	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	391645	03/15/22 10:35	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			391939	03/16/22 16:18	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			25 mL	25 mL	392041	03/17/22 12:18	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392505	03/19/22 16:07	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	392940	03/24/22 13:29	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393087	03/25/22 11:57	RJR	TAL PIT
	Instrument ID: HGY									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: FB-3
Date Collected: 03/08/22 11:10
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134886-8
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	391331	03/11/22 13:45	JCR	TAL PIT

Client Sample ID: GWC-13
Date Collected: 03/08/22 11:30
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134886-9
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			391482	03/15/22 02:56	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	391645	03/15/22 10:35	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			391939	03/16/22 16:21	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			25 mL	25 mL	392041	03/17/22 12:18	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392505	03/19/22 16:10	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	392940	03/24/22 13:29	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393087	03/25/22 11:58	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	391331	03/11/22 13:45	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			391864	03/08/22 11:30	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-25
Date Collected: 03/08/22 12:30
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134886-10
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			391482	03/15/22 03:10	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	391645	03/15/22 10:35	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			391939	03/16/22 16:25	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			25 mL	25 mL	392041	03/17/22 12:18	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392505	03/19/22 16:14	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	392940	03/24/22 13:29	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393087	03/25/22 11:59	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	391331	03/11/22 13:45	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			391864	03/08/22 12:30	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-18

Date Collected: 03/08/22 13:43
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134886-11

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			391482	03/15/22 02:43	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	391645	03/15/22 10:35	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			391939	03/16/22 16:29	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			25 mL	25 mL	392041	03/17/22 12:18	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392505	03/19/22 16:18	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	392940	03/24/22 13:29	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393087	03/25/22 12:00	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	391331	03/11/22 13:45	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			391864	03/08/22 13:43	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-10

Date Collected: 03/08/22 11:00
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134886-12

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	1 mL	1.0 mL	391482	03/15/22 01:48	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	391645	03/15/22 10:35	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			391939	03/16/22 16:32	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			25 mL	25 mL	392041	03/17/22 12:18	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392505	03/19/22 16:21	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	392940	03/24/22 13:29	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393087	03/25/22 12:01	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	391331	03/11/22 13:45	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			391864	03/08/22 11:00	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-16

Date Collected: 03/08/22 12:15
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134886-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			391482	03/15/22 02:02	JRB	TAL PIT
	Instrument ID: CHICS2100B									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-16

Lab Sample ID: 180-134886-13

Date Collected: 03/08/22 12:15

Matrix: Water

Date Received: 03/09/22 10:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	25 mL	391645	03/15/22 10:35	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			391939	03/16/22 16:43	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			25 mL	25 mL	392041	03/17/22 12:18	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392505	03/19/22 16:25	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	392940	03/24/22 13:29	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393087	03/25/22 12:02	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	391331	03/11/22 13:45	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			391864	03/08/22 12:15	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: Dup-2

Lab Sample ID: 180-134886-14

Date Collected: 03/07/22 00:01

Matrix: Water

Date Received: 03/09/22 10:30

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	1 mL	1.0 mL	391482	03/14/22 21:56	JRB	TAL PIT
	Instrument ID: CHICS2100B									
Total Recoverable	Prep	3005A			25 mL	25 mL	391645	03/15/22 10:35	RGM	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			391939	03/16/22 16:47	RSK	TAL PIT
	Instrument ID: A									
Total Recoverable	Prep	3005A			25 mL	25 mL	392041	03/17/22 12:18	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392505	03/19/22 16:29	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	392940	03/24/22 13:29	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393087	03/25/22 12:06	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	391331	03/11/22 13:45	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-26

Lab Sample ID: 180-135070-1

Date Collected: 03/09/22 10:56

Matrix: Water

Date Received: 03/11/22 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			392394	03/22/22 02:25	JRB	TAL PIT
	Instrument ID: CHICS2000									
Total/NA	Analysis	EPA 300.0 R2.1		1			393431	03/29/22 17:08	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	392002	03/17/22 10:12	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392519	03/19/22 13:44	RSK	TAL PIT
	Instrument ID: NEMO									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-26

Lab Sample ID: 180-135070-1

Date Collected: 03/09/22 10:56

Matrix: Water

Date Received: 03/11/22 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	25 mL	392002	03/17/22 10:12	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392669	03/22/22 11:43	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	392938	03/24/22 13:25	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393082	03/25/22 10:58	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	391702	03/15/22 14:11	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			392179	03/09/22 10:56	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-32

Lab Sample ID: 180-135070-2

Date Collected: 03/09/22 14:00

Matrix: Water

Date Received: 03/11/22 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			392394	03/22/22 02:43	JRB	TAL PIT
	Instrument ID: CHICS2000									
Total/NA	Analysis	EPA 300.0 R2.1		1			394377	04/06/22 18:44	JRB	TAL PIT
	Instrument ID: CHICS2000									
Total Recoverable	Prep	3005A			25 mL	25 mL	392002	03/17/22 10:12	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392519	03/19/22 13:47	RSK	TAL PIT
	Instrument ID: NEMO									
Total Recoverable	Prep	3005A			25 mL	25 mL	392002	03/17/22 10:12	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392669	03/22/22 11:46	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	392938	03/24/22 13:25	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393082	03/25/22 10:59	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	391702	03/15/22 14:11	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			392179	03/09/22 14:00	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: EB-4

Lab Sample ID: 180-135070-3

Date Collected: 03/09/22 11:25

Matrix: Water

Date Received: 03/11/22 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			392394	03/22/22 03:00	JRB	TAL PIT
	Instrument ID: CHICS2000									
Total Recoverable	Prep	3005A			25 mL	25 mL	392002	03/17/22 10:12	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392519	03/19/22 13:55	RSK	TAL PIT
	Instrument ID: NEMO									

Client Sample ID: EB-4

Lab Sample ID: 180-135070-3

Date Collected: 03/09/22 11:25

Matrix: Water

Date Received: 03/11/22 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	25 mL	392002	03/17/22 10:12	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392669	03/22/22 11:56	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	392938	03/24/22 13:25	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393082	03/25/22 11:00	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	391702	03/15/22 14:11	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-9

Lab Sample ID: 180-135070-4

Date Collected: 03/09/22 14:15

Matrix: Water

Date Received: 03/11/22 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			392394	03/22/22 03:53	JRB	TAL PIT
	Instrument ID: CHICS2000									
Total/NA	Analysis	EPA 300.0 R2.1		1			394377	04/06/22 19:53	JRB	TAL PIT
	Instrument ID: CHICS2000									
Total Recoverable	Prep	3005A			25 mL	25 mL	392002	03/17/22 10:12	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392519	03/19/22 13:57	RSK	TAL PIT
	Instrument ID: NEMO									
Total Recoverable	Prep	3005A			25 mL	25 mL	392002	03/17/22 10:12	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392669	03/22/22 11:59	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			25 mL	25 mL	392938	03/24/22 13:25	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393082	03/25/22 11:01	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	391702	03/15/22 14:11	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			392179	03/09/22 14:15	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-17

Lab Sample ID: 180-135070-5

Date Collected: 03/08/22 13:55

Matrix: Water

Date Received: 03/11/22 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			392394	03/22/22 04:10	JRB	TAL PIT
	Instrument ID: CHICS2000									
Total/NA	Analysis	EPA 300.0 R2.1		1			394377	04/06/22 20:46	JRB	TAL PIT
	Instrument ID: CHICS2000									
Total Recoverable	Prep	3005A			25 mL	25 mL	392162	03/18/22 08:55	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392505	03/19/22 20:43	RSK	TAL PIT
	Instrument ID: A									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-17

Date Collected: 03/08/22 13:55
Date Received: 03/11/22 09:30

Lab Sample ID: 180-135070-5

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			25 mL	25 mL	392938	03/24/22 13:25	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393082	03/25/22 11:03	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	391573	03/14/22 20:44	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			392179	03/08/22 13:55	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-19

Date Collected: 03/08/22 14:25
Date Received: 03/11/22 09:30

Lab Sample ID: 180-135070-6

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			392394	03/22/22 05:02	JRB	TAL PIT
	Instrument ID: CHICS2000									
Total/NA	Analysis	EPA 300.0 R2.1		1			394377	04/06/22 21:03	JRB	TAL PIT
	Instrument ID: CHICS2000									
Total Recoverable	Prep	3005A			25 mL	25 mL	392162	03/18/22 08:55	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392505	03/19/22 20:46	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	392938	03/24/22 13:25	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393082	03/25/22 11:04	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	391573	03/14/22 20:44	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			392179	03/08/22 14:25	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-22

Date Collected: 03/08/22 15:15
Date Received: 03/11/22 09:30

Lab Sample ID: 180-135070-7

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			392394	03/22/22 05:54	JRB	TAL PIT
	Instrument ID: CHICS2000									
Total/NA	Analysis	EPA 300.0 R2.1		1			394377	04/06/22 21:20	JRB	TAL PIT
	Instrument ID: CHICS2000									
Total Recoverable	Prep	3005A			25 mL	25 mL	392162	03/18/22 08:55	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392505	03/19/22 20:50	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	392938	03/24/22 13:25	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393082	03/25/22 11:05	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	391573	03/14/22 20:44	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-22

Date Collected: 03/08/22 15:15
Date Received: 03/11/22 09:30

Lab Sample ID: 180-135070-7

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	Field Sampling		1			392179	03/08/22 15:15	FDS	TAL PIT

Client Sample ID: GWC-23

Date Collected: 03/09/22 11:10
Date Received: 03/11/22 09:30

Lab Sample ID: 180-135070-8

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			392394	03/22/22 06:12	JRB	TAL PIT
	Instrument ID: CHICS2000									
Total/NA	Analysis	EPA 300.0 R2.1		1			394377	04/06/22 21:38	JRB	TAL PIT
	Instrument ID: CHICS2000									
Total Recoverable	Prep	3005A			25 mL	25 mL	392162	03/18/22 08:55	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392505	03/19/22 20:54	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	392938	03/24/22 13:25	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393082	03/25/22 11:06	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	391702	03/15/22 14:11	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			392179	03/09/22 11:10	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-27

Date Collected: 03/08/22 15:54
Date Received: 03/11/22 09:30

Lab Sample ID: 180-135070-9

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			392394	03/22/22 06:29	JRB	TAL PIT
	Instrument ID: CHICS2000									
Total/NA	Analysis	EPA 300.0 R2.1		1			394377	04/06/22 21:55	JRB	TAL PIT
	Instrument ID: CHICS2000									
Total Recoverable	Prep	3005A			25 mL	25 mL	392162	03/18/22 08:55	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392505	03/19/22 21:05	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	392938	03/24/22 13:25	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393082	03/25/22 11:10	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	391573	03/14/22 20:44	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			392179	03/08/22 15:54	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-33

Lab Sample ID: 180-135070-10

Date Collected: 03/09/22 14:40

Matrix: Water

Date Received: 03/11/22 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			392394	03/22/22 07:22	JRB	TAL PIT
	Instrument ID: CHICS2000									
Total/NA	Analysis	EPA 300.0 R2.1		1			394377	04/06/22 22:13	JRB	TAL PIT
	Instrument ID: CHICS2000									
Total Recoverable	Prep	3005A			25 mL	25 mL	392162	03/18/22 08:55	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392505	03/19/22 21:08	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	392938	03/24/22 13:25	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393082	03/25/22 11:11	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	391702	03/15/22 14:11	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			392179	03/09/22 14:40	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: EB-3

Lab Sample ID: 180-135070-11

Date Collected: 03/09/22 10:10

Matrix: Water

Date Received: 03/11/22 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			392394	03/22/22 07:39	JRB	TAL PIT
	Instrument ID: CHICS2000									
Total Recoverable	Prep	3005A			25 mL	25 mL	392162	03/18/22 08:55	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392505	03/19/22 21:12	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	392938	03/24/22 13:25	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393082	03/25/22 11:12	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	391702	03/15/22 14:11	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: Dup-3

Lab Sample ID: 180-135070-12

Date Collected: 03/08/22 00:00

Matrix: Water

Date Received: 03/11/22 09:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			392394	03/22/22 07:56	JRB	TAL PIT
	Instrument ID: CHICS2000									
Total/NA	Analysis	EPA 300.0 R2.1		1			394377	04/06/22 22:47	JRB	TAL PIT
	Instrument ID: CHICS2000									
Total Recoverable	Prep	3005A			25 mL	25 mL	392162	03/18/22 08:55	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392505	03/19/22 21:16	RSK	TAL PIT
	Instrument ID: A									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: Dup-3

Date Collected: 03/08/22 00:00
Date Received: 03/11/22 09:30

Lab Sample ID: 180-135070-12

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			25 mL	25 mL	392938	03/24/22 13:25	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393082	03/25/22 11:13	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	391573	03/14/22 20:44	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: FB-4

Date Collected: 03/09/22 14:25
Date Received: 03/11/22 09:30

Lab Sample ID: 180-135070-13

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			392394	03/22/22 08:14	JRB	TAL PIT
	Instrument ID: CHICS2000									
Total Recoverable	Prep	3005A			25 mL	25 mL	392162	03/18/22 08:55	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392505	03/19/22 21:19	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	392938	03/24/22 13:25	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393082	03/25/22 11:14	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	391702	03/15/22 14:11	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-24

Date Collected: 03/10/22 11:05
Date Received: 03/11/22 09:30

Lab Sample ID: 180-135070-14

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			392394	03/22/22 08:31	JRB	TAL PIT
	Instrument ID: CHICS2000									
Total/NA	Analysis	EPA 300.0 R2.1		1			394377	04/07/22 09:17	JRB	TAL PIT
	Instrument ID: CHICS2000									
Total Recoverable	Prep	3005A			25 mL	25 mL	392162	03/18/22 08:55	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392505	03/19/22 21:23	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	392938	03/24/22 13:25	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393082	03/25/22 11:15	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	391889	03/16/22 13:54	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			392179	03/10/22 11:05	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-31

Date Collected: 03/10/22 09:55
Date Received: 03/11/22 09:30

Lab Sample ID: 180-135070-15

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			392394	03/22/22 08:49	JRB	TAL PIT
	Instrument ID: CHICS2000									
Total/NA	Analysis	EPA 300.0 R2.1		1			394377	04/07/22 09:34	JRB	TAL PIT
	Instrument ID: CHICS2000									
Total Recoverable	Prep	3005A			25 mL	25 mL	392162	03/18/22 08:55	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392505	03/19/22 21:27	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	392938	03/24/22 13:25	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393082	03/25/22 11:16	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	391889	03/16/22 13:54	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			392179	03/10/22 09:55	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: Dup-4

Date Collected: 03/10/22 00:00
Date Received: 03/11/22 09:30

Lab Sample ID: 180-135070-16

Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	EPA 300.0 R2.1		1			392394	03/22/22 09:06	JRB	TAL PIT
	Instrument ID: CHICS2000									
Total/NA	Analysis	EPA 300.0 R2.1		1			394377	04/07/22 09:51	JRB	TAL PIT
	Instrument ID: CHICS2000									
Total Recoverable	Prep	3005A			25 mL	25 mL	392162	03/18/22 08:55	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			392505	03/19/22 21:30	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	392938	03/24/22 13:25	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			393082	03/25/22 11:17	RJR	TAL PIT
	Instrument ID: HGZ									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	391889	03/16/22 13:54	JCR	TAL PIT
	Instrument ID: NOEQUIP									

Laboratory References:

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

Analyst References:

Lab: TAL PIT

Batch Type: Prep

KFS = Kelly Shannon
RGM = Rebecca Manns
RJR = Ron Rosenbaum

Batch Type: Analysis

FDS = Sampler Field
JCR = Jessica Rodgers
JRB = James Burzio
RJR = Ron Rosenbaum
RSK = Robert Kurtz
SNR = Sabra Richart

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: EB-1

Date Collected: 03/01/22 14:25
Date Received: 03/03/22 09:30

Lab Sample ID: 180-134562-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			03/05/22 18:19	1
Fluoride	<0.026		0.10	0.026	mg/L			03/05/22 18:19	1
Sulfate	<0.76		1.0	0.76	mg/L			03/05/22 18:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/05/22 09:09	03/08/22 11:01	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/05/22 09:09	03/08/22 11:01	1
Barium	<0.0031		0.010	0.0031	mg/L		03/05/22 09:09	03/08/22 11:01	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/05/22 09:09	03/08/22 11:01	1
Boron	<0.060		0.080	0.060	mg/L		03/05/22 09:09	03/08/22 11:01	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/05/22 09:09	03/08/22 11:01	1
Calcium	<0.13		0.50	0.13	mg/L		03/05/22 09:09	03/08/22 11:01	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/05/22 09:09	03/08/22 11:01	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/05/22 09:09	03/08/22 11:01	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/05/22 09:09	03/08/22 11:01	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/05/22 09:09	03/08/22 11:01	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/05/22 09:09	03/08/22 11:01	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/05/22 09:09	03/08/22 11:01	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/05/22 09:09	03/08/22 11:01	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/05/22 09:09	03/08/22 11:01	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/05/22 09:09	03/08/22 11:01	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/05/22 09:09	03/08/22 11:01	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/15/22 08:37	03/16/22 15:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**11**		10	10	mg/L			03/05/22 15:33	1
Total Dissolved Solids	<10		10	10	mg/L			03/08/22 15:38	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWA-2

Date Collected: 03/01/22 14:35
Date Received: 03/03/22 09:30

Lab Sample ID: 180-134562-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.2**		1.0	0.71	mg/L			03/05/22 18:04	1
Fluoride	<0.026		0.10	0.026	mg/L			03/05/22 18:04	1
Sulfate	**2.0**		1.0	0.76	mg/L			03/05/22 18:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/05/22 09:09	03/08/22 11:05	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/05/22 09:09	03/08/22 11:05	1
Barium	**0.012**		0.010	0.0031	mg/L		03/05/22 09:09	03/08/22 11:05	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/05/22 09:09	03/08/22 11:05	1
Boron	<0.060		0.080	0.060	mg/L		03/05/22 09:09	03/08/22 11:05	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/05/22 09:09	03/08/22 11:05	1
Calcium	**3.0**		0.50	0.13	mg/L		03/05/22 09:09	03/08/22 11:05	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/05/22 09:09	03/08/22 11:05	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/05/22 09:09	03/08/22 11:05	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/05/22 09:09	03/08/22 11:05	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/05/22 09:09	03/08/22 11:05	1
Nickel	**0.00062**	**J**	0.0010	0.00052	mg/L		03/05/22 09:09	03/08/22 11:05	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/05/22 09:09	03/08/22 11:05	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/05/22 09:09	03/08/22 11:05	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/05/22 09:09	03/08/22 11:05	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/05/22 09:09	03/08/22 11:05	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/05/22 09:09	03/08/22 11:05	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/15/22 08:37	03/16/22 15:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**26**		10	10	mg/L			03/05/22 15:33	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.65**				SU			03/01/22 14:35	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWA-29

Date Collected: 03/02/22 10:43
Date Received: 03/03/22 09:30

Lab Sample ID: 180-134562-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.2**		1.0	0.71	mg/L			03/05/22 19:02	1
Fluoride	**1.8**		0.10	0.026	mg/L			03/05/22 19:02	1
Sulfate	**6.0**		1.0	0.76	mg/L			03/05/22 19:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/05/22 09:09	03/08/22 11:09	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/05/22 09:09	03/08/22 11:09	1
Barium	<0.0031		0.010	0.0031	mg/L		03/05/22 09:09	03/08/22 11:09	1
Beryllium	**0.0020**	**J**	0.0025	0.00027	mg/L		03/05/22 09:09	03/08/22 11:09	1
Boron	<0.060		0.080	0.060	mg/L		03/05/22 09:09	03/08/22 11:09	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/05/22 09:09	03/08/22 11:09	1
Calcium	**4.3**		0.50	0.13	mg/L		03/05/22 09:09	03/08/22 11:09	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/05/22 09:09	03/08/22 11:09	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/05/22 09:09	03/08/22 11:09	1
Copper	**0.0053**		0.0020	0.0011	mg/L		03/05/22 09:09	03/08/22 11:09	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/05/22 09:09	03/08/22 11:09	1
Nickel	**0.0012**		0.0010	0.00052	mg/L		03/05/22 09:09	03/08/22 11:09	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/05/22 09:09	03/08/22 11:09	1
Silver	**0.0013**		0.0010	0.00022	mg/L		03/05/22 09:09	03/08/22 11:09	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/05/22 09:09	03/08/22 11:09	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/05/22 09:09	03/08/22 11:09	1
Zinc	**0.024**		0.0050	0.0029	mg/L		03/05/22 09:09	03/08/22 11:09	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/15/22 08:37	03/16/22 15:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**85**		10	10	mg/L			03/07/22 17:08	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.87**				SU			03/02/22 10:43	1

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-30

Date Collected: 03/02/22 11:35
Date Received: 03/03/22 09:30

Lab Sample ID: 180-134562-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.3**		1.0	0.71	mg/L			03/05/22 23:36	1
Fluoride	**0.047**	**J**	0.10	0.026	mg/L			03/05/22 23:36	1
Sulfate	**1.4**		1.0	0.76	mg/L			03/05/22 23:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/05/22 09:09	03/08/22 11:12	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/05/22 09:09	03/08/22 11:12	1
Barium	**0.0072**	**J**	0.010	0.0031	mg/L		03/05/22 09:09	03/08/22 11:12	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/05/22 09:09	03/08/22 11:12	1
Boron	<0.060		0.080	0.060	mg/L		03/05/22 09:09	03/08/22 11:12	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/05/22 09:09	03/08/22 11:12	1
Calcium	**3.6**		0.50	0.13	mg/L		03/05/22 09:09	03/08/22 11:12	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/05/22 09:09	03/08/22 11:12	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/05/22 09:09	03/08/22 11:12	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/05/22 09:09	03/08/22 11:12	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/05/22 09:09	03/08/22 11:12	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/05/22 09:09	03/08/22 11:12	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/05/22 09:09	03/08/22 11:12	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/05/22 09:09	03/08/22 11:12	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/05/22 09:09	03/08/22 11:12	1
Vanadium	**0.0013**		0.0010	0.00078	mg/L		03/05/22 09:09	03/08/22 11:12	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/05/22 09:09	03/08/22 11:12	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/15/22 08:37	03/16/22 15:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**41**		10	10	mg/L			03/07/22 19:07	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.07**				SU			03/02/22 11:35	1

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-7

Date Collected: 03/02/22 10:50
Date Received: 03/03/22 09:30

Lab Sample ID: 180-134562-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**22**		1.0	0.71	mg/L			03/05/22 23:51	1
Fluoride	**0.16**		0.10	0.026	mg/L			03/05/22 23:51	1
Sulfate	**41**		1.0	0.76	mg/L			03/05/22 23:51	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/05/22 09:09	03/08/22 11:16	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/05/22 09:09	03/08/22 11:16	1
Barium	**0.071**		0.010	0.0031	mg/L		03/05/22 09:09	03/08/22 11:16	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/05/22 09:09	03/08/22 11:16	1
Boron	<0.060		0.080	0.060	mg/L		03/05/22 09:09	03/08/22 11:16	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/05/22 09:09	03/08/22 11:16	1
Calcium	**47**		0.50	0.13	mg/L		03/05/22 09:09	03/08/22 11:16	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/05/22 09:09	03/08/22 11:16	1
Cobalt	**0.00043**	**J**	0.0025	0.00026	mg/L		03/05/22 09:09	03/08/22 11:16	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/05/22 09:09	03/08/22 11:16	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/05/22 09:09	03/08/22 11:16	1
Nickel	**0.0076**		0.0010	0.00052	mg/L		03/05/22 09:09	03/08/22 11:16	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/05/22 09:09	03/08/22 11:16	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/05/22 09:09	03/08/22 11:16	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/05/22 09:09	03/08/22 11:16	1
Vanadium	**0.0031**		0.0010	0.00078	mg/L		03/05/22 09:09	03/08/22 11:16	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/05/22 09:09	03/08/22 11:16	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/15/22 08:37	03/16/22 15:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**370**		10	10	mg/L			03/07/22 19:07	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.40**				SU			03/02/22 10:50	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-35

Date Collected: 03/02/22 12:42
Date Received: 03/03/22 09:30

Lab Sample ID: 180-134562-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.6**		1.0	0.71	mg/L			03/06/22 00:20	1
Fluoride	<0.026		0.10	0.026	mg/L			03/06/22 00:20	1
Sulfate	**3.2**		1.0	0.76	mg/L			03/06/22 00:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/05/22 09:09	03/08/22 11:27	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/05/22 09:09	03/08/22 11:27	1
Barium	**0.022**		0.010	0.0031	mg/L		03/05/22 09:09	03/08/22 11:27	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/05/22 09:09	03/08/22 11:27	1
Boron	<0.060		0.080	0.060	mg/L		03/05/22 09:09	03/08/22 11:27	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/05/22 09:09	03/08/22 11:27	1
Calcium	**2.6**		0.50	0.13	mg/L		03/05/22 09:09	03/08/22 11:27	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/05/22 09:09	03/08/22 11:27	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/05/22 09:09	03/08/22 11:27	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/05/22 09:09	03/08/22 11:27	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/05/22 09:09	03/08/22 11:27	1
Nickel	**0.0015**		0.0010	0.00052	mg/L		03/05/22 09:09	03/08/22 11:27	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/05/22 09:09	03/08/22 11:27	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/05/22 09:09	03/08/22 11:27	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/05/22 09:09	03/08/22 11:27	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/05/22 09:09	03/08/22 11:27	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/05/22 09:09	03/08/22 11:27	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/15/22 08:37	03/16/22 15:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**28**		10	10	mg/L			03/07/22 19:07	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.73**				SU			03/02/22 12:42	1

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: FB-2

Date Collected: 03/02/22 13:15
Date Received: 03/03/22 09:30

Lab Sample ID: 180-134562-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			03/06/22 00:34	1
Fluoride	<0.026		0.10	0.026	mg/L			03/06/22 00:34	1
Sulfate	<0.76		1.0	0.76	mg/L			03/06/22 00:34	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/09/22 12:58	03/10/22 13:57	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/09/22 12:58	03/10/22 13:57	1
Barium	<0.0031		0.010	0.0031	mg/L		03/09/22 12:58	03/10/22 13:57	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/09/22 12:58	03/10/22 13:57	1
Boron	<0.060		0.080	0.060	mg/L		03/09/22 12:58	03/10/22 13:57	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/09/22 12:58	03/10/22 13:57	1
Calcium	<0.13		0.50	0.13	mg/L		03/09/22 12:58	03/10/22 13:57	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/09/22 12:58	03/10/22 13:57	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/09/22 12:58	03/10/22 13:57	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/09/22 12:58	03/10/22 13:57	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/09/22 12:58	03/10/22 13:57	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/09/22 12:58	03/10/22 13:57	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/09/22 12:58	03/10/22 13:57	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/09/22 12:58	03/10/22 13:57	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/09/22 12:58	03/10/22 13:57	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/09/22 12:58	03/10/22 13:57	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/09/22 12:58	03/10/22 13:57	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/15/22 08:37	03/16/22 15:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/07/22 19:07	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-34

Date Collected: 03/02/22 13:35
Date Received: 03/03/22 09:30

Lab Sample ID: 180-134562-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.1**		1.0	0.71	mg/L			03/06/22 00:48	1
Fluoride	**0.086**	**J**	0.10	0.026	mg/L			03/06/22 00:48	1
Sulfate	**1.6**		1.0	0.76	mg/L			03/06/22 00:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/09/22 12:58	03/10/22 14:01	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/09/22 12:58	03/10/22 14:01	1
Barium	**0.012**		0.010	0.0031	mg/L		03/09/22 12:58	03/10/22 14:01	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/09/22 12:58	03/10/22 14:01	1
Boron	<0.060		0.080	0.060	mg/L		03/09/22 12:58	03/10/22 14:01	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/09/22 12:58	03/10/22 14:01	1
Calcium	**2.8**		0.50	0.13	mg/L		03/09/22 12:58	03/10/22 14:01	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/09/22 12:58	03/10/22 14:01	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/09/22 12:58	03/10/22 14:01	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/09/22 12:58	03/10/22 14:01	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/09/22 12:58	03/10/22 14:01	1
Nickel	**0.00064**	**J**	0.0010	0.00052	mg/L		03/09/22 12:58	03/10/22 14:01	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/09/22 12:58	03/10/22 14:01	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/09/22 12:58	03/10/22 14:01	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/09/22 12:58	03/10/22 14:01	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/09/22 12:58	03/10/22 14:01	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/09/22 12:58	03/10/22 14:01	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/15/22 08:37	03/16/22 15:20	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**42**		10	10	mg/L			03/07/22 19:07	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.91**				SU			03/02/22 13:35	1

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWA-1

Date Collected: 02/28/22 15:15
Date Received: 03/03/22 09:30

Lab Sample ID: 180-134562-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2.1**		1.0	0.71	mg/L			03/05/22 19:16	1
Fluoride	<0.026		0.10	0.026	mg/L			03/05/22 19:16	1
Sulfate	<0.76		1.0	0.76	mg/L			03/05/22 19:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/09/22 12:58	03/10/22 14:05	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/09/22 12:58	03/10/22 14:05	1
Barium	**0.010**		0.010	0.0031	mg/L		03/09/22 12:58	03/10/22 14:05	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/09/22 12:58	03/10/22 14:05	1
Boron	<0.060		0.080	0.060	mg/L		03/09/22 12:58	03/10/22 14:05	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/09/22 12:58	03/10/22 14:05	1
Calcium	**0.76**		0.50	0.13	mg/L		03/09/22 12:58	03/10/22 14:05	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/09/22 12:58	03/10/22 14:05	1
Cobalt	**0.00087**	**J**	0.0025	0.00026	mg/L		03/09/22 12:58	03/10/22 14:05	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/09/22 12:58	03/10/22 14:05	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/09/22 12:58	03/10/22 14:05	1
Nickel	**0.00089**	**J**	0.0010	0.00052	mg/L		03/09/22 12:58	03/10/22 14:05	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/09/22 12:58	03/10/22 14:05	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/09/22 12:58	03/10/22 14:05	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/09/22 12:58	03/10/22 14:05	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/09/22 12:58	03/10/22 14:05	1
Zinc	**0.0032**	**J**	0.0050	0.0029	mg/L		03/09/22 12:58	03/10/22 14:05	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/15/22 08:37	03/16/22 15:21	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**25**		10	10	mg/L			03/05/22 15:33	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.29**				SU			02/28/22 15:15	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWA-3

Date Collected: 03/01/22 11:35
Date Received: 03/03/22 09:30

Lab Sample ID: 180-134562-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**15**		1.0	0.71	mg/L			03/05/22 20:00	1
Fluoride	<0.026		0.10	0.026	mg/L			03/05/22 20:00	1
Sulfate	**64**		1.0	0.76	mg/L			03/05/22 20:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/09/22 12:58	03/10/22 14:08	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/09/22 12:58	03/10/22 14:08	1
Barium	**0.078**		0.010	0.0031	mg/L		03/09/22 12:58	03/10/22 14:08	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/09/22 12:58	03/10/22 14:08	1
Boron	<0.060		0.080	0.060	mg/L		03/09/22 12:58	03/10/22 14:08	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/09/22 12:58	03/10/22 14:08	1
Calcium	**15**		0.50	0.13	mg/L		03/09/22 12:58	03/10/22 14:08	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/09/22 12:58	03/10/22 14:08	1
Cobalt	**0.00052**	**J**	0.0025	0.00026	mg/L		03/09/22 12:58	03/10/22 14:08	1
Copper	**0.0025**		0.0020	0.0011	mg/L		03/09/22 12:58	03/10/22 14:08	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/09/22 12:58	03/10/22 14:08	1
Nickel	**0.0027**		0.0010	0.00052	mg/L		03/09/22 12:58	03/10/22 14:08	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/09/22 12:58	03/10/22 14:08	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/09/22 12:58	03/10/22 14:08	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/09/22 12:58	03/10/22 14:08	1
Vanadium	**0.0012**		0.0010	0.00078	mg/L		03/09/22 12:58	03/10/22 14:08	1
Zinc	**0.012**		0.0050	0.0029	mg/L		03/09/22 12:58	03/10/22 14:08	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/15/22 08:37	03/16/22 15:22	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**180**		10	10	mg/L			03/05/22 15:33	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.70**				SU			03/01/22 11:35	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWA-4

Date Collected: 03/01/22 12:50
Date Received: 03/03/22 09:30

Lab Sample ID: 180-134562-11

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	0.71	mg/L			03/05/22 20:14	1
Fluoride	**0.035**	**J**	0.10	0.026	mg/L			03/05/22 20:14	1
Sulfate	**9.6**		1.0	0.76	mg/L			03/05/22 20:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/09/22 12:58	03/10/22 14:12	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/09/22 12:58	03/10/22 14:12	1
Barium	**0.12**		0.010	0.0031	mg/L		03/09/22 12:58	03/10/22 14:12	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/09/22 12:58	03/10/22 14:12	1
Boron	<0.060		0.080	0.060	mg/L		03/09/22 12:58	03/10/22 14:12	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/09/22 12:58	03/10/22 14:12	1
Calcium	**24**		0.50	0.13	mg/L		03/09/22 12:58	03/10/22 14:12	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/09/22 12:58	03/10/22 14:12	1
Cobalt	**0.0067**		0.0025	0.00026	mg/L		03/09/22 12:58	03/10/22 14:12	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/09/22 12:58	03/10/22 14:12	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/09/22 12:58	03/10/22 14:12	1
Nickel	**0.0021**		0.0010	0.00052	mg/L		03/09/22 12:58	03/10/22 14:12	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/09/22 12:58	03/10/22 14:12	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/09/22 12:58	03/10/22 14:12	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/09/22 12:58	03/10/22 14:12	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/09/22 12:58	03/10/22 14:12	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/09/22 12:58	03/10/22 14:12	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/15/22 08:37	03/16/22 15:23	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**140**		10	10	mg/L			03/05/22 15:33	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.29**				SU			03/01/22 12:50	1

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWA-28

Date Collected: 03/01/22 14:50
Date Received: 03/03/22 09:30

Lab Sample ID: 180-134562-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.2**		1.0	0.71	mg/L			03/05/22 20:29	1
Fluoride	**1.3**		0.10	0.026	mg/L			03/05/22 20:29	1
Sulfate	**1.0**		1.0	0.76	mg/L			03/05/22 20:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/09/22 12:58	03/10/22 14:16	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/09/22 12:58	03/10/22 14:16	1
Barium	<0.0031		0.010	0.0031	mg/L		03/09/22 12:58	03/10/22 14:16	1
Beryllium	**0.00042**	**J**	0.0025	0.00027	mg/L		03/09/22 12:58	03/10/22 14:16	1
Boron	<0.060		0.080	0.060	mg/L		03/09/22 12:58	03/10/22 14:16	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/09/22 12:58	03/10/22 14:16	1
Calcium	**2.8**		0.50	0.13	mg/L		03/09/22 12:58	03/10/22 14:16	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/09/22 12:58	03/10/22 14:16	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/09/22 12:58	03/10/22 14:16	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/09/22 12:58	03/10/22 14:16	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/09/22 12:58	03/10/22 14:16	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/09/22 12:58	03/10/22 14:16	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/09/22 12:58	03/10/22 14:16	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/09/22 12:58	03/10/22 14:16	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/09/22 12:58	03/10/22 14:16	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/09/22 12:58	03/10/22 14:16	1
Zinc	**0.0057**		0.0050	0.0029	mg/L		03/09/22 12:58	03/10/22 14:16	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/15/22 08:37	03/16/22 15:25	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**72**		10	10	mg/L			03/05/22 15:33	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.96**				SU			03/01/22 14:50	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: FB-1

Date Collected: 03/01/22 12:35
Date Received: 03/03/22 09:30

Lab Sample ID: 180-134562-13

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			03/05/22 20:43	1
Fluoride	<0.026		0.10	0.026	mg/L			03/05/22 20:43	1
Sulfate	<0.76		1.0	0.76	mg/L			03/05/22 20:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/09/22 12:58	03/10/22 14:19	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/09/22 12:58	03/10/22 14:19	1
Barium	<0.0031		0.010	0.0031	mg/L		03/09/22 12:58	03/10/22 14:19	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/09/22 12:58	03/10/22 14:19	1
Boron	<0.060		0.080	0.060	mg/L		03/09/22 12:58	03/10/22 14:19	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/09/22 12:58	03/10/22 14:19	1
Calcium	<0.13		0.50	0.13	mg/L		03/09/22 12:58	03/10/22 14:19	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/09/22 12:58	03/10/22 14:19	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/09/22 12:58	03/10/22 14:19	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/09/22 12:58	03/10/22 14:19	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/09/22 12:58	03/10/22 14:19	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/09/22 12:58	03/10/22 14:19	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/09/22 12:58	03/10/22 14:19	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/09/22 12:58	03/10/22 14:19	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/09/22 12:58	03/10/22 14:19	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/09/22 12:58	03/10/22 14:19	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/09/22 12:58	03/10/22 14:19	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/15/22 08:37	03/16/22 15:26	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/05/22 15:33	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-5

Date Collected: 03/02/22 12:50
Date Received: 03/05/22 09:00

Lab Sample ID: 180-134760-1

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	0.71	mg/L			03/09/22 21:38	1
Fluoride	**0.093**	**J**	0.10	0.026	mg/L			03/09/22 21:38	1
Sulfate	**28**		1.0	0.76	mg/L			03/09/22 21:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/12/22 12:43	03/15/22 16:05	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/12/22 12:43	03/15/22 16:05	1
Barium	**0.024**		0.010	0.0031	mg/L		03/12/22 12:43	03/15/22 16:05	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/12/22 12:43	03/15/22 16:05	1
Boron	<0.060		0.080	0.060	mg/L		03/12/22 12:43	03/15/22 16:05	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/12/22 12:43	03/15/22 16:05	1
Calcium	**30**		0.50	0.13	mg/L		03/12/22 12:43	03/15/22 16:05	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/12/22 12:43	03/15/22 16:05	1
Cobalt	**0.0048**		0.0025	0.00026	mg/L		03/12/22 12:43	03/15/22 16:05	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/12/22 12:43	03/15/22 16:05	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/12/22 12:43	03/15/22 16:05	1
Nickel	**0.0038**		0.0010	0.00052	mg/L		03/12/22 12:43	03/15/22 16:05	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/12/22 12:43	03/15/22 16:05	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/12/22 12:43	03/15/22 16:05	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/12/22 12:43	03/15/22 16:05	1
Vanadium	**0.0030**		0.0010	0.00078	mg/L		03/12/22 12:43	03/15/22 16:05	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/12/22 12:43	03/15/22 16:05	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/16/22 11:31	03/17/22 12:31	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**180**		10	10	mg/L			03/07/22 13:59	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.31**				SU			03/02/22 12:50	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-6

Date Collected: 03/02/22 14:10
Date Received: 03/05/22 09:00

Lab Sample ID: 180-134760-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.6**		1.0	0.71	mg/L			03/09/22 20:44	1
Fluoride	**0.082**	**J**	0.10	0.026	mg/L			03/09/22 20:44	1
Sulfate	**13**		1.0	0.76	mg/L			03/09/22 20:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/12/22 12:43	03/15/22 16:08	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/12/22 12:43	03/15/22 16:08	1
Barium	**0.054**		0.010	0.0031	mg/L		03/12/22 12:43	03/15/22 16:08	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/12/22 12:43	03/15/22 16:08	1
Boron	<0.060		0.080	0.060	mg/L		03/12/22 12:43	03/15/22 16:08	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/12/22 12:43	03/15/22 16:08	1
Calcium	**14**		0.50	0.13	mg/L		03/12/22 12:43	03/15/22 16:08	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/12/22 12:43	03/15/22 16:08	1
Cobalt	**0.011**		0.0025	0.00026	mg/L		03/12/22 12:43	03/15/22 16:08	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/12/22 12:43	03/15/22 16:08	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/12/22 12:43	03/15/22 16:08	1
Nickel	**0.0053**		0.0010	0.00052	mg/L		03/12/22 12:43	03/15/22 16:08	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/12/22 12:43	03/15/22 16:08	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/12/22 12:43	03/15/22 16:08	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/12/22 12:43	03/15/22 16:08	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/12/22 12:43	03/15/22 16:08	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/12/22 12:43	03/15/22 16:08	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/16/22 11:31	03/17/22 12:32	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**130**		10	10	mg/L			03/07/22 17:08	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.89**				SU			03/02/22 14:10	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-8

Date Collected: 03/02/22 16:00
Date Received: 03/05/22 09:00

Lab Sample ID: 180-134760-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.0**		1.0	0.71	mg/L			03/09/22 20:57	1
Fluoride	**0.058**	**J**	0.10	0.026	mg/L			03/09/22 20:57	1
Sulfate	**14**		1.0	0.76	mg/L			03/09/22 20:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/12/22 12:43	03/15/22 16:12	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/12/22 12:43	03/15/22 16:12	1
Barium	**0.037**		0.010	0.0031	mg/L		03/12/22 12:43	03/15/22 16:12	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/12/22 12:43	03/15/22 16:12	1
Boron	<0.060		0.080	0.060	mg/L		03/12/22 12:43	03/15/22 16:12	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/12/22 12:43	03/15/22 16:12	1
Calcium	**24**		0.50	0.13	mg/L		03/12/22 12:43	03/15/22 16:12	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/12/22 12:43	03/15/22 16:12	1
Cobalt	**0.0050**		0.0025	0.00026	mg/L		03/12/22 12:43	03/15/22 16:12	1
Copper	**0.0019**	**J**	0.0020	0.0011	mg/L		03/12/22 12:43	03/15/22 16:12	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/12/22 12:43	03/15/22 16:12	1
Nickel	**0.0030**		0.0010	0.00052	mg/L		03/12/22 12:43	03/15/22 16:12	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/12/22 12:43	03/15/22 16:12	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/12/22 12:43	03/15/22 16:12	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/12/22 12:43	03/15/22 16:12	1
Vanadium	**0.0013**		0.0010	0.00078	mg/L		03/12/22 12:43	03/15/22 16:12	1
Zinc	**0.0037**	**J**	0.0050	0.0029	mg/L		03/12/22 12:43	03/15/22 16:12	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/16/22 11:31	03/17/22 12:33	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**150**		10	10	mg/L			03/07/22 17:08	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.89**				SU			03/02/22 16:00	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: Dup-1

Date Collected: 03/02/22 00:01
Date Received: 03/05/22 09:00

Lab Sample ID: 180-134760-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**7.9**		1.0	0.71	mg/L			03/09/22 22:19	1
Fluoride	**0.090**	**J**	0.10	0.026	mg/L			03/09/22 22:19	1
Sulfate	**14**		1.0	0.76	mg/L			03/09/22 22:19	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/12/22 12:43	03/15/22 16:16	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/12/22 12:43	03/15/22 16:16	1
Barium	**0.059**		0.010	0.0031	mg/L		03/12/22 12:43	03/15/22 16:16	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/12/22 12:43	03/15/22 16:16	1
Boron	<0.060		0.080	0.060	mg/L		03/12/22 12:43	03/15/22 16:16	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/12/22 12:43	03/15/22 16:16	1
Calcium	**14**		0.50	0.13	mg/L		03/12/22 12:43	03/15/22 16:16	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/12/22 12:43	03/15/22 16:16	1
Cobalt	**0.013**		0.0025	0.00026	mg/L		03/12/22 12:43	03/15/22 16:16	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/12/22 12:43	03/15/22 16:16	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/12/22 12:43	03/15/22 16:16	1
Nickel	**0.0060**		0.0010	0.00052	mg/L		03/12/22 12:43	03/15/22 16:16	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/12/22 12:43	03/15/22 16:16	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/12/22 12:43	03/15/22 16:16	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/12/22 12:43	03/15/22 16:16	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/12/22 12:43	03/15/22 16:16	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/12/22 12:43	03/15/22 16:16	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/16/22 11:31	03/17/22 12:34	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**120**		10	10	mg/L			03/07/22 13:59	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-11

Date Collected: 03/07/22 15:18
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134886-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.4**		1.0	0.71	mg/L			03/14/22 19:54	1
Fluoride	**0.14**		0.10	0.026	mg/L			03/14/22 19:54	1
Sulfate	<0.76		1.0	0.76	mg/L			03/14/22 19:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/15/22 10:35	03/16/22 15:45	1
Arsenic	**0.00088**	**J**	0.0010	0.00028	mg/L		03/15/22 10:35	03/16/22 15:45	1
Barium	**0.16**		0.010	0.0031	mg/L		03/15/22 10:35	03/16/22 15:45	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/15/22 10:35	03/16/22 15:45	1
Boron	**0.067**	**J B**	0.080	0.060	mg/L		03/15/22 10:35	03/16/22 15:45	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/15/22 10:35	03/16/22 15:45	1
Calcium	**6.9**		0.50	0.13	mg/L		03/15/22 10:35	03/16/22 15:45	1
Chromium	**0.0016**	**J**	0.0020	0.0015	mg/L		03/15/22 10:35	03/16/22 15:45	1
Cobalt	**0.0016**	**J**	0.0025	0.00026	mg/L		03/15/22 10:35	03/16/22 15:45	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/15/22 10:35	03/16/22 15:45	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/15/22 10:35	03/16/22 15:45	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/17/22 12:18	03/19/22 15:12	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/15/22 10:35	03/16/22 15:45	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/15/22 10:35	03/16/22 15:45	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/15/22 10:35	03/16/22 15:45	1
Vanadium	**0.0025**		0.0010	0.00078	mg/L		03/15/22 10:35	03/16/22 15:45	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/15/22 10:35	03/16/22 15:45	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/24/22 13:29	03/25/22 11:45	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**130**		10	10	mg/L			03/11/22 13:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.10**				SU			03/07/22 15:18	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-12

Date Collected: 03/07/22 15:25
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134886-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**33**		1.0	0.71	mg/L			03/14/22 20:07	1
Fluoride	**0.18**		0.10	0.026	mg/L			03/14/22 20:07	1
Sulfate	**40**		1.0	0.76	mg/L			03/14/22 20:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/15/22 10:35	03/16/22 15:49	1
Arsenic	**0.00050**	**J**	0.0010	0.00028	mg/L		03/15/22 10:35	03/16/22 15:49	1
Barium	**0.025**		0.010	0.0031	mg/L		03/15/22 10:35	03/16/22 15:49	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/15/22 10:35	03/16/22 15:49	1
Boron	**0.11**	**B**	0.080	0.060	mg/L		03/15/22 10:35	03/16/22 15:49	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/15/22 10:35	03/16/22 15:49	1
Calcium	**48**		0.50	0.13	mg/L		03/15/22 10:35	03/16/22 15:49	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/15/22 10:35	03/16/22 15:49	1
Cobalt	**0.00071**	**J**	0.0025	0.00026	mg/L		03/15/22 10:35	03/16/22 15:49	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/15/22 10:35	03/16/22 15:49	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/15/22 10:35	03/16/22 15:49	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/17/22 12:18	03/19/22 15:38	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/15/22 10:35	03/16/22 15:49	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/15/22 10:35	03/16/22 15:49	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/15/22 10:35	03/16/22 15:49	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/15/22 10:35	03/16/22 15:49	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/15/22 10:35	03/16/22 15:49	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/24/22 13:29	03/25/22 11:46	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**220**		10	10	mg/L			03/11/22 13:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.32**				SU			03/07/22 15:25	1

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-14

Date Collected: 03/07/22 13:20
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134886-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	160		1.0	0.71	mg/L			03/14/22 20:21	1
Fluoride	0.071	J	0.10	0.026	mg/L			03/14/22 20:21	1
Sulfate	16		1.0	0.76	mg/L			03/14/22 20:21	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/15/22 10:35	03/16/22 15:52	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/15/22 10:35	03/16/22 15:52	1
Barium	0.23		0.010	0.0031	mg/L		03/15/22 10:35	03/16/22 15:52	1
Beryllium	0.00051	J	0.0025	0.00027	mg/L		03/15/22 10:35	03/16/22 15:52	1
Boron	1.0	B	0.080	0.060	mg/L		03/15/22 10:35	03/16/22 15:52	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/15/22 10:35	03/16/22 15:52	1
Calcium	31		0.50	0.13	mg/L		03/15/22 10:35	03/16/22 15:52	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/15/22 10:35	03/16/22 15:52	1
Cobalt	0.19		0.0025	0.00026	mg/L		03/15/22 10:35	03/16/22 15:52	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/15/22 10:35	03/16/22 15:52	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/15/22 10:35	03/16/22 15:52	1
Nickel	0.020		0.0010	0.00052	mg/L		03/17/22 12:18	03/19/22 15:41	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/15/22 10:35	03/16/22 15:52	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/15/22 10:35	03/16/22 15:52	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/15/22 10:35	03/16/22 15:52	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/15/22 10:35	03/16/22 15:52	1
Zinc	0.014	B	0.0050	0.0029	mg/L		03/15/22 10:35	03/16/22 15:52	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	0.00023		0.00020	0.00013	mg/L		03/24/22 13:29	03/25/22 11:47	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	320		10	10	mg/L			03/11/22 13:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.50				SU			03/07/22 13:20	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-15

Date Collected: 03/07/22 14:18
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134886-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.8**		1.0	0.71	mg/L			03/14/22 21:15	1
Fluoride	**0.12**		0.10	0.026	mg/L			03/14/22 21:15	1
Sulfate	**3.1**		1.0	0.76	mg/L			03/14/22 21:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/15/22 10:35	03/16/22 16:03	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/15/22 10:35	03/16/22 16:03	1
Barium	**0.011**		0.010	0.0031	mg/L		03/15/22 10:35	03/16/22 16:03	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/15/22 10:35	03/16/22 16:03	1
Boron	**0.14**	**B**	0.080	0.060	mg/L		03/15/22 10:35	03/16/22 16:03	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/15/22 10:35	03/16/22 16:03	1
Calcium	**11**		0.50	0.13	mg/L		03/15/22 10:35	03/16/22 16:03	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/15/22 10:35	03/16/22 16:03	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/15/22 10:35	03/16/22 16:03	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/15/22 10:35	03/16/22 16:03	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/15/22 10:35	03/16/22 16:03	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/17/22 12:18	03/19/22 15:45	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/15/22 10:35	03/16/22 16:03	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/15/22 10:35	03/16/22 16:03	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/15/22 10:35	03/16/22 16:03	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/15/22 10:35	03/16/22 16:03	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/15/22 10:35	03/16/22 16:03	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/24/22 13:29	03/25/22 11:52	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**80**		10	10	mg/L			03/11/22 13:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.50**				SU			03/07/22 14:18	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-20

Date Collected: 03/07/22 10:50
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134886-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**2.3**		1.0	0.71	mg/L			03/14/22 21:29	1
Fluoride	**0.070**	**J**	0.10	0.026	mg/L			03/14/22 21:29	1
Sulfate	**1.3**		1.0	0.76	mg/L			03/14/22 21:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/15/22 10:35	03/16/22 16:07	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/15/22 10:35	03/16/22 16:07	1
Barium	**0.032**		0.010	0.0031	mg/L		03/15/22 10:35	03/16/22 16:07	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/15/22 10:35	03/16/22 16:07	1
Boron	<0.060		0.080	0.060	mg/L		03/15/22 10:35	03/16/22 16:07	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/15/22 10:35	03/16/22 16:07	1
Calcium	**8.6**		0.50	0.13	mg/L		03/15/22 10:35	03/16/22 16:07	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/15/22 10:35	03/16/22 16:07	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/15/22 10:35	03/16/22 16:07	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/15/22 10:35	03/16/22 16:07	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/15/22 10:35	03/16/22 16:07	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/17/22 12:18	03/19/22 15:49	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/15/22 10:35	03/16/22 16:07	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/15/22 10:35	03/16/22 16:07	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/15/22 10:35	03/16/22 16:07	1
Vanadium	**0.0017**		0.0010	0.00078	mg/L		03/15/22 10:35	03/16/22 16:07	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/15/22 10:35	03/16/22 16:07	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/24/22 13:29	03/25/22 11:53	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**72**		10	10	mg/L			03/11/22 13:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.13**				SU			03/07/22 10:50	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-21

Date Collected: 03/07/22 11:50
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134886-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.7**	**F1**	1.0	0.71	mg/L			03/14/22 18:17	1
Fluoride	**0.043**	**J F1**	0.10	0.026	mg/L			03/14/22 18:17	1
Sulfate	**1.1**	**F1**	1.0	0.76	mg/L			03/14/22 18:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/15/22 10:35	03/16/22 16:10	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/15/22 10:35	03/16/22 16:10	1
Barium	**0.063**		0.010	0.0031	mg/L		03/15/22 10:35	03/16/22 16:10	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/15/22 10:35	03/16/22 16:10	1
Boron	<0.060		0.080	0.060	mg/L		03/15/22 10:35	03/16/22 16:10	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/15/22 10:35	03/16/22 16:10	1
Calcium	**6.5**		0.50	0.13	mg/L		03/15/22 10:35	03/16/22 16:10	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/15/22 10:35	03/16/22 16:10	1
Cobalt	**0.0026**		0.0025	0.00026	mg/L		03/15/22 10:35	03/16/22 16:10	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/15/22 10:35	03/16/22 16:10	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/15/22 10:35	03/16/22 16:10	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/17/22 12:18	03/19/22 15:52	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/15/22 10:35	03/16/22 16:10	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/15/22 10:35	03/16/22 16:10	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/15/22 10:35	03/16/22 16:10	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/15/22 10:35	03/16/22 16:10	1
Zinc	**0.0029**	**J B**	0.0050	0.0029	mg/L		03/15/22 10:35	03/16/22 16:10	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/24/22 13:29	03/25/22 11:54	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**43**		10	10	mg/L			03/11/22 13:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.37**				SU			03/07/22 11:50	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: EB-2

Date Collected: 03/07/22 11:05
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134886-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			03/14/22 21:43	1
Fluoride	**0.045**	**J**	0.10	0.026	mg/L			03/14/22 21:43	1
Sulfate	<0.76		1.0	0.76	mg/L			03/14/22 21:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/15/22 10:35	03/16/22 16:14	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/15/22 10:35	03/16/22 16:14	1
Barium	<0.0031		0.010	0.0031	mg/L		03/15/22 10:35	03/16/22 16:14	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/15/22 10:35	03/16/22 16:14	1
Boron	<0.060		0.080	0.060	mg/L		03/15/22 10:35	03/16/22 16:14	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/15/22 10:35	03/16/22 16:14	1
Calcium	<0.13		0.50	0.13	mg/L		03/15/22 10:35	03/16/22 16:14	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/15/22 10:35	03/16/22 16:14	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/15/22 10:35	03/16/22 16:14	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/15/22 10:35	03/16/22 16:14	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/15/22 10:35	03/16/22 16:14	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/17/22 12:18	03/19/22 15:56	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/15/22 10:35	03/16/22 16:14	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/15/22 10:35	03/16/22 16:14	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/15/22 10:35	03/16/22 16:14	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/15/22 10:35	03/16/22 16:14	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/15/22 10:35	03/16/22 16:14	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/24/22 13:29	03/25/22 11:56	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/11/22 13:45	1

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: FB-3

Date Collected: 03/08/22 11:10
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134886-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			03/15/22 03:23	1
Fluoride	<0.026	F1	0.10	0.026	mg/L			03/15/22 03:23	1
Sulfate	<0.76	F1	1.0	0.76	mg/L			03/15/22 03:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/15/22 10:35	03/16/22 16:18	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/15/22 10:35	03/16/22 16:18	1
Barium	<0.0031		0.010	0.0031	mg/L		03/15/22 10:35	03/16/22 16:18	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/15/22 10:35	03/16/22 16:18	1
Boron	<0.060		0.080	0.060	mg/L		03/15/22 10:35	03/16/22 16:18	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/15/22 10:35	03/16/22 16:18	1
Calcium	<0.13		0.50	0.13	mg/L		03/15/22 10:35	03/16/22 16:18	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/15/22 10:35	03/16/22 16:18	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/15/22 10:35	03/16/22 16:18	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/15/22 10:35	03/16/22 16:18	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/15/22 10:35	03/16/22 16:18	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/17/22 12:18	03/19/22 16:07	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/15/22 10:35	03/16/22 16:18	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/15/22 10:35	03/16/22 16:18	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/15/22 10:35	03/16/22 16:18	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/15/22 10:35	03/16/22 16:18	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/15/22 10:35	03/16/22 16:18	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/24/22 13:29	03/25/22 11:57	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/11/22 13:45	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-13

Date Collected: 03/08/22 11:30
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134886-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.4**		1.0	0.71	mg/L			03/15/22 02:56	1
Fluoride	**0.13**		0.10	0.026	mg/L			03/15/22 02:56	1
Sulfate	**3.3**		1.0	0.76	mg/L			03/15/22 02:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.0011**	**J**	0.0020	0.00051	mg/L		03/15/22 10:35	03/16/22 16:21	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/15/22 10:35	03/16/22 16:21	1
Barium	**0.0034**	**J**	0.010	0.0031	mg/L		03/15/22 10:35	03/16/22 16:21	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/15/22 10:35	03/16/22 16:21	1
Boron	<0.060		0.080	0.060	mg/L		03/15/22 10:35	03/16/22 16:21	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/15/22 10:35	03/16/22 16:21	1
Calcium	**3.9**		0.50	0.13	mg/L		03/15/22 10:35	03/16/22 16:21	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/15/22 10:35	03/16/22 16:21	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/15/22 10:35	03/16/22 16:21	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/15/22 10:35	03/16/22 16:21	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/15/22 10:35	03/16/22 16:21	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/17/22 12:18	03/19/22 16:10	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/15/22 10:35	03/16/22 16:21	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/15/22 10:35	03/16/22 16:21	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/15/22 10:35	03/16/22 16:21	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/15/22 10:35	03/16/22 16:21	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/15/22 10:35	03/16/22 16:21	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/24/22 13:29	03/25/22 11:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**38**		10	10	mg/L			03/11/22 13:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.93**				SU			03/08/22 11:30	1

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-25

Date Collected: 03/08/22 12:30
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134886-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.6**		1.0	0.71	mg/L			03/15/22 03:10	1
Fluoride	**0.057**	**J**	0.10	0.026	mg/L			03/15/22 03:10	1
Sulfate	**5.4**		1.0	0.76	mg/L			03/15/22 03:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/15/22 10:35	03/16/22 16:25	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/15/22 10:35	03/16/22 16:25	1
Barium	**0.023**		0.010	0.0031	mg/L		03/15/22 10:35	03/16/22 16:25	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/15/22 10:35	03/16/22 16:25	1
Boron	<0.060		0.080	0.060	mg/L		03/15/22 10:35	03/16/22 16:25	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/15/22 10:35	03/16/22 16:25	1
Calcium	**7.3**		0.50	0.13	mg/L		03/15/22 10:35	03/16/22 16:25	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/15/22 10:35	03/16/22 16:25	1
Cobalt	**0.0023**	**J**	0.0025	0.00026	mg/L		03/15/22 10:35	03/16/22 16:25	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/15/22 10:35	03/16/22 16:25	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/15/22 10:35	03/16/22 16:25	1
Nickel	**0.0039**		0.0010	0.00052	mg/L		03/17/22 12:18	03/19/22 16:14	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/15/22 10:35	03/16/22 16:25	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/15/22 10:35	03/16/22 16:25	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/15/22 10:35	03/16/22 16:25	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/15/22 10:35	03/16/22 16:25	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/15/22 10:35	03/16/22 16:25	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/24/22 13:29	03/25/22 11:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**59**		10	10	mg/L			03/11/22 13:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.24**				SU			03/08/22 12:30	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-18

Date Collected: 03/08/22 13:43
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134886-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.6**		1.0	0.71	mg/L			03/15/22 02:43	1
Fluoride	**0.058**	**J**	0.10	0.026	mg/L			03/15/22 02:43	1
Sulfate	**1.1**		1.0	0.76	mg/L			03/15/22 02:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/15/22 10:35	03/16/22 16:29	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/15/22 10:35	03/16/22 16:29	1
Barium	**0.040**		0.010	0.0031	mg/L		03/15/22 10:35	03/16/22 16:29	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/15/22 10:35	03/16/22 16:29	1
Boron	<0.060		0.080	0.060	mg/L		03/15/22 10:35	03/16/22 16:29	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/15/22 10:35	03/16/22 16:29	1
Calcium	**7.5**		0.50	0.13	mg/L		03/15/22 10:35	03/16/22 16:29	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/15/22 10:35	03/16/22 16:29	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/15/22 10:35	03/16/22 16:29	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/15/22 10:35	03/16/22 16:29	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/15/22 10:35	03/16/22 16:29	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/17/22 12:18	03/19/22 16:18	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/15/22 10:35	03/16/22 16:29	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/15/22 10:35	03/16/22 16:29	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/15/22 10:35	03/16/22 16:29	1
Vanadium	**0.0014**		0.0010	0.00078	mg/L		03/15/22 10:35	03/16/22 16:29	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/15/22 10:35	03/16/22 16:29	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/24/22 13:29	03/25/22 12:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**72**		10	10	mg/L			03/11/22 13:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.01**				SU			03/08/22 13:43	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-10

Date Collected: 03/08/22 11:00
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134886-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.8**		1.0	0.71	mg/L			03/15/22 01:48	1
Fluoride	**1.2**		0.10	0.026	mg/L			03/15/22 01:48	1
Sulfate	**13**		1.0	0.76	mg/L			03/15/22 01:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/15/22 10:35	03/16/22 16:32	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/15/22 10:35	03/16/22 16:32	1
Barium	**0.013**		0.010	0.0031	mg/L		03/15/22 10:35	03/16/22 16:32	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/15/22 10:35	03/16/22 16:32	1
Boron	<0.060		0.080	0.060	mg/L		03/15/22 10:35	03/16/22 16:32	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/15/22 10:35	03/16/22 16:32	1
Calcium	**16**		0.50	0.13	mg/L		03/15/22 10:35	03/16/22 16:32	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/15/22 10:35	03/16/22 16:32	1
Cobalt	**0.0028**		0.0025	0.00026	mg/L		03/15/22 10:35	03/16/22 16:32	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/15/22 10:35	03/16/22 16:32	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/15/22 10:35	03/16/22 16:32	1
Nickel	**0.0017**		0.0010	0.00052	mg/L		03/17/22 12:18	03/19/22 16:21	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/15/22 10:35	03/16/22 16:32	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/15/22 10:35	03/16/22 16:32	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/15/22 10:35	03/16/22 16:32	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/15/22 10:35	03/16/22 16:32	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/15/22 10:35	03/16/22 16:32	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/24/22 13:29	03/25/22 12:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**130**		10	10	mg/L			03/11/22 13:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.90**				SU			03/08/22 11:00	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-16

Date Collected: 03/08/22 12:15
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134886-13

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.7**		1.0	0.71	mg/L			03/15/22 02:02	1
Fluoride	**0.057**	**J**	0.10	0.026	mg/L			03/15/22 02:02	1
Sulfate	**1.1**		1.0	0.76	mg/L			03/15/22 02:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/15/22 10:35	03/16/22 16:43	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/15/22 10:35	03/16/22 16:43	1
Barium	**0.018**		0.010	0.0031	mg/L		03/15/22 10:35	03/16/22 16:43	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/15/22 10:35	03/16/22 16:43	1
Boron	<0.060		0.080	0.060	mg/L		03/15/22 10:35	03/16/22 16:43	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/15/22 10:35	03/16/22 16:43	1
Calcium	**6.6**		0.50	0.13	mg/L		03/15/22 10:35	03/16/22 16:43	1
Chromium	**0.0022**		0.0020	0.0015	mg/L		03/15/22 10:35	03/16/22 16:43	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/15/22 10:35	03/16/22 16:43	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/15/22 10:35	03/16/22 16:43	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/15/22 10:35	03/16/22 16:43	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/17/22 12:18	03/19/22 16:25	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/15/22 10:35	03/16/22 16:43	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/15/22 10:35	03/16/22 16:43	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/15/22 10:35	03/16/22 16:43	1
Vanadium	**0.0039**		0.0010	0.00078	mg/L		03/15/22 10:35	03/16/22 16:43	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/15/22 10:35	03/16/22 16:43	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/24/22 13:29	03/25/22 12:02	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**70**		10	10	mg/L			03/11/22 13:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.03**				SU			03/08/22 12:15	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: Dup-2

Date Collected: 03/07/22 00:01
Date Received: 03/09/22 10:30

Lab Sample ID: 180-134886-14

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**8.9**		1.0	0.71	mg/L			03/14/22 21:56	1
Fluoride	**0.098**	**J**	0.10	0.026	mg/L			03/14/22 21:56	1
Sulfate	**3.1**		1.0	0.76	mg/L			03/14/22 21:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/15/22 10:35	03/16/22 16:47	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/15/22 10:35	03/16/22 16:47	1
Barium	**0.011**		0.010	0.0031	mg/L		03/15/22 10:35	03/16/22 16:47	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/15/22 10:35	03/16/22 16:47	1
Boron	**0.12**	**B**	0.080	0.060	mg/L		03/15/22 10:35	03/16/22 16:47	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/15/22 10:35	03/16/22 16:47	1
Calcium	**11**		0.50	0.13	mg/L		03/15/22 10:35	03/16/22 16:47	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/15/22 10:35	03/16/22 16:47	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/15/22 10:35	03/16/22 16:47	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/15/22 10:35	03/16/22 16:47	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/15/22 10:35	03/16/22 16:47	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/17/22 12:18	03/19/22 16:29	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/15/22 10:35	03/16/22 16:47	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/15/22 10:35	03/16/22 16:47	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/15/22 10:35	03/16/22 16:47	1
Vanadium	**0.00094**	**J**	0.0010	0.00078	mg/L		03/15/22 10:35	03/16/22 16:47	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/15/22 10:35	03/16/22 16:47	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/24/22 13:29	03/25/22 12:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**84**		10	10	mg/L			03/11/22 13:45	1

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-26

Date Collected: 03/09/22 10:56
Date Received: 03/11/22 09:30

Lab Sample ID: 180-135070-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.3**		1.0	0.71	mg/L			03/29/22 17:08	1
Fluoride	**0.049**	**J**	0.10	0.026	mg/L			03/22/22 02:25	1
Sulfate	<0.76		1.0	0.76	mg/L			03/22/22 02:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/17/22 10:12	03/19/22 13:44	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/17/22 10:12	03/19/22 13:44	1
Barium	**0.037**		0.010	0.0031	mg/L		03/17/22 10:12	03/19/22 13:44	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/17/22 10:12	03/19/22 13:44	1
Boron	**0.066**	**J**	0.080	0.060	mg/L		03/17/22 10:12	03/22/22 11:43	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/17/22 10:12	03/19/22 13:44	1
Calcium	**2.0**		0.50	0.13	mg/L		03/17/22 10:12	03/19/22 13:44	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/17/22 10:12	03/19/22 13:44	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/17/22 10:12	03/19/22 13:44	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/17/22 10:12	03/19/22 13:44	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/17/22 10:12	03/19/22 13:44	1
Nickel	**0.0011**		0.0010	0.00052	mg/L		03/17/22 10:12	03/19/22 13:44	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/17/22 10:12	03/19/22 13:44	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/17/22 10:12	03/19/22 13:44	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/17/22 10:12	03/19/22 13:44	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/17/22 10:12	03/19/22 13:44	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/17/22 10:12	03/19/22 13:44	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/24/22 13:25	03/25/22 10:58	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**28**		10	10	mg/L			03/15/22 14:11	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.69**				SU			03/09/22 10:56	1

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-32

Date Collected: 03/09/22 14:00
Date Received: 03/11/22 09:30

Lab Sample ID: 180-135070-2

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.0**		1.0	0.71	mg/L			04/06/22 18:44	1
Fluoride	**1.9**		0.10	0.026	mg/L			03/22/22 02:43	1
Sulfate	**7.6**		1.0	0.76	mg/L			03/22/22 02:43	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/17/22 10:12	03/19/22 13:47	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/17/22 10:12	03/19/22 13:47	1
Barium	<0.0031		0.010	0.0031	mg/L		03/17/22 10:12	03/19/22 13:47	1
Beryllium	**0.0010**	**J**	0.0025	0.00027	mg/L		03/17/22 10:12	03/19/22 13:47	1
Boron	<0.060		0.080	0.060	mg/L		03/17/22 10:12	03/22/22 11:46	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/17/22 10:12	03/19/22 13:47	1
Calcium	**5.4**		0.50	0.13	mg/L		03/17/22 10:12	03/19/22 13:47	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/17/22 10:12	03/19/22 13:47	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/17/22 10:12	03/19/22 13:47	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/17/22 10:12	03/19/22 13:47	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/17/22 10:12	03/19/22 13:47	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/17/22 10:12	03/19/22 13:47	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/17/22 10:12	03/19/22 13:47	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/17/22 10:12	03/19/22 13:47	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/17/22 10:12	03/19/22 13:47	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/17/22 10:12	03/19/22 13:47	1
Zinc	**0.024**		0.0050	0.0029	mg/L		03/17/22 10:12	03/19/22 13:47	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/24/22 13:25	03/25/22 10:59	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**74**		10	10	mg/L			03/15/22 14:11	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.11**				SU			03/09/22 14:00	1

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: EB-4

Date Collected: 03/09/22 11:25
Date Received: 03/11/22 09:30

Lab Sample ID: 180-135070-3

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			03/22/22 03:00	1
Fluoride	**0.027**	**J**	0.10	0.026	mg/L			03/22/22 03:00	1
Sulfate	<0.76		1.0	0.76	mg/L			03/22/22 03:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/17/22 10:12	03/19/22 13:55	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/17/22 10:12	03/19/22 13:55	1
Barium	<0.0031		0.010	0.0031	mg/L		03/17/22 10:12	03/19/22 13:55	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/17/22 10:12	03/19/22 13:55	1
Boron	<0.060		0.080	0.060	mg/L		03/17/22 10:12	03/22/22 11:56	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/17/22 10:12	03/19/22 13:55	1
Calcium	<0.13		0.50	0.13	mg/L		03/17/22 10:12	03/19/22 13:55	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/17/22 10:12	03/19/22 13:55	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/17/22 10:12	03/19/22 13:55	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/17/22 10:12	03/19/22 13:55	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/17/22 10:12	03/19/22 13:55	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/17/22 10:12	03/19/22 13:55	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/17/22 10:12	03/19/22 13:55	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/17/22 10:12	03/19/22 13:55	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/17/22 10:12	03/19/22 13:55	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/17/22 10:12	03/19/22 13:55	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/17/22 10:12	03/19/22 13:55	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/24/22 13:25	03/25/22 11:00	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/15/22 14:11	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-9

Date Collected: 03/09/22 14:15
Date Received: 03/11/22 09:30

Lab Sample ID: 180-135070-4

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.0**		1.0	0.71	mg/L			04/06/22 19:53	1
Fluoride	**0.068**	**J**	0.10	0.026	mg/L			03/22/22 03:53	1
Sulfate	**6.6**		1.0	0.76	mg/L			03/22/22 03:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/17/22 10:12	03/19/22 13:57	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/17/22 10:12	03/19/22 13:57	1
Barium	**0.094**		0.010	0.0031	mg/L		03/17/22 10:12	03/19/22 13:57	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/17/22 10:12	03/19/22 13:57	1
Boron	<0.060		0.080	0.060	mg/L		03/17/22 10:12	03/22/22 11:59	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/17/22 10:12	03/19/22 13:57	1
Calcium	**8.1**		0.50	0.13	mg/L		03/17/22 10:12	03/19/22 13:57	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/17/22 10:12	03/19/22 13:57	1
Cobalt	**0.024**		0.0025	0.00026	mg/L		03/17/22 10:12	03/19/22 13:57	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/17/22 10:12	03/19/22 13:57	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/17/22 10:12	03/19/22 13:57	1
Nickel	**0.0076**		0.0010	0.00052	mg/L		03/17/22 10:12	03/19/22 13:57	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/17/22 10:12	03/19/22 13:57	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/17/22 10:12	03/19/22 13:57	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/17/22 10:12	03/19/22 13:57	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/17/22 10:12	03/19/22 13:57	1
Zinc	**0.0030**	**J**	0.0050	0.0029	mg/L		03/17/22 10:12	03/19/22 13:57	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/24/22 13:25	03/25/22 11:01	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**82**		10	10	mg/L			03/15/22 14:11	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.53**				SU			03/09/22 14:15	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-17

Date Collected: 03/08/22 13:55
Date Received: 03/11/22 09:30

Lab Sample ID: 180-135070-5

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**0.86**	**J**	1.0	0.71	mg/L			04/06/22 20:46	1
Fluoride	**0.057**	**J**	0.10	0.026	mg/L			03/22/22 04:10	1
Sulfate	**1.0**		1.0	0.76	mg/L			03/22/22 04:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/18/22 08:55	03/19/22 20:43	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/18/22 08:55	03/19/22 20:43	1
Barium	**0.016**		0.010	0.0031	mg/L		03/18/22 08:55	03/19/22 20:43	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/18/22 08:55	03/19/22 20:43	1
Boron	<0.060		0.080	0.060	mg/L		03/18/22 08:55	03/19/22 20:43	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/18/22 08:55	03/19/22 20:43	1
Calcium	**7.9**		0.50	0.13	mg/L		03/18/22 08:55	03/19/22 20:43	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/18/22 08:55	03/19/22 20:43	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/18/22 08:55	03/19/22 20:43	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/18/22 08:55	03/19/22 20:43	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/18/22 08:55	03/19/22 20:43	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/18/22 08:55	03/19/22 20:43	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/18/22 08:55	03/19/22 20:43	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/18/22 08:55	03/19/22 20:43	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/18/22 08:55	03/19/22 20:43	1
Vanadium	**0.0019**	**B**	0.0010	0.00078	mg/L		03/18/22 08:55	03/19/22 20:43	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/18/22 08:55	03/19/22 20:43	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/24/22 13:25	03/25/22 11:03	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**87**		10	10	mg/L			03/14/22 20:44	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.06**				SU			03/08/22 13:55	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-19

Date Collected: 03/08/22 14:25
Date Received: 03/11/22 09:30

Lab Sample ID: 180-135070-6

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.5**		1.0	0.71	mg/L			04/06/22 21:03	1
Fluoride	**0.046**	**J**	0.10	0.026	mg/L			03/22/22 05:02	1
Sulfate	**0.94**	**J**	1.0	0.76	mg/L			03/22/22 05:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/18/22 08:55	03/19/22 20:46	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/18/22 08:55	03/19/22 20:46	1
Barium	**0.12**		0.010	0.0031	mg/L		03/18/22 08:55	03/19/22 20:46	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/18/22 08:55	03/19/22 20:46	1
Boron	<0.060		0.080	0.060	mg/L		03/18/22 08:55	03/19/22 20:46	1
Cadmium	**0.00097**	**J**	0.0025	0.00022	mg/L		03/18/22 08:55	03/19/22 20:46	1
Calcium	**9.0**		0.50	0.13	mg/L		03/18/22 08:55	03/19/22 20:46	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/18/22 08:55	03/19/22 20:46	1
Cobalt	**0.00038**	**J**	0.0025	0.00026	mg/L		03/18/22 08:55	03/19/22 20:46	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/18/22 08:55	03/19/22 20:46	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/18/22 08:55	03/19/22 20:46	1
Nickel	**0.0012**		0.0010	0.00052	mg/L		03/18/22 08:55	03/19/22 20:46	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/18/22 08:55	03/19/22 20:46	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/18/22 08:55	03/19/22 20:46	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/18/22 08:55	03/19/22 20:46	1
Vanadium	**0.0011**	**B**	0.0010	0.00078	mg/L		03/18/22 08:55	03/19/22 20:46	1
Zinc	**0.0056**		0.0050	0.0029	mg/L		03/18/22 08:55	03/19/22 20:46	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/24/22 13:25	03/25/22 11:04	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**61**		10	10	mg/L			03/14/22 20:44	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.81**				SU			03/08/22 14:25	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-22

Date Collected: 03/08/22 15:15
Date Received: 03/11/22 09:30

Lab Sample ID: 180-135070-7

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.3**		1.0	0.71	mg/L			04/06/22 21:20	1
Fluoride	**0.054**	**J**	0.10	0.026	mg/L			03/22/22 05:54	1
Sulfate	<0.76		1.0	0.76	mg/L			03/22/22 05:54	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/18/22 08:55	03/19/22 20:50	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/18/22 08:55	03/19/22 20:50	1
Barium	**0.026**		0.010	0.0031	mg/L		03/18/22 08:55	03/19/22 20:50	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/18/22 08:55	03/19/22 20:50	1
Boron	<0.060		0.080	0.060	mg/L		03/18/22 08:55	03/19/22 20:50	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/18/22 08:55	03/19/22 20:50	1
Calcium	**11**		0.50	0.13	mg/L		03/18/22 08:55	03/19/22 20:50	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/18/22 08:55	03/19/22 20:50	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/18/22 08:55	03/19/22 20:50	1
Copper	**0.0024**		0.0020	0.0011	mg/L		03/18/22 08:55	03/19/22 20:50	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/18/22 08:55	03/19/22 20:50	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/18/22 08:55	03/19/22 20:50	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/18/22 08:55	03/19/22 20:50	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/18/22 08:55	03/19/22 20:50	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/18/22 08:55	03/19/22 20:50	1
Vanadium	**0.0090**	**B**	0.0010	0.00078	mg/L		03/18/22 08:55	03/19/22 20:50	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/18/22 08:55	03/19/22 20:50	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/24/22 13:25	03/25/22 11:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**89**		10	10	mg/L			03/14/22 20:44	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.41**				SU			03/08/22 15:15	1

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-23

Date Collected: 03/09/22 11:10
Date Received: 03/11/22 09:30

Lab Sample ID: 180-135070-8

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.4**		1.0	0.71	mg/L			04/06/22 21:38	1
Fluoride	**0.049**	**J**	0.10	0.026	mg/L			03/22/22 06:12	1
Sulfate	**0.76**	**J**	1.0	0.76	mg/L			03/22/22 06:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/18/22 08:55	03/19/22 20:54	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/18/22 08:55	03/19/22 20:54	1
Barium	**0.0041**	**J**	0.010	0.0031	mg/L		03/18/22 08:55	03/19/22 20:54	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/18/22 08:55	03/19/22 20:54	1
Boron	<0.060		0.080	0.060	mg/L		03/18/22 08:55	03/19/22 20:54	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/18/22 08:55	03/19/22 20:54	1
Calcium	**3.5**		0.50	0.13	mg/L		03/18/22 08:55	03/19/22 20:54	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/18/22 08:55	03/19/22 20:54	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/18/22 08:55	03/19/22 20:54	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/18/22 08:55	03/19/22 20:54	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/18/22 08:55	03/19/22 20:54	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/18/22 08:55	03/19/22 20:54	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/18/22 08:55	03/19/22 20:54	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/18/22 08:55	03/19/22 20:54	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/18/22 08:55	03/19/22 20:54	1
Vanadium	**0.00093**	**J B**	0.0010	0.00078	mg/L		03/18/22 08:55	03/19/22 20:54	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/18/22 08:55	03/19/22 20:54	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/24/22 13:25	03/25/22 11:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**40**		10	10	mg/L			03/15/22 14:11	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.50**				SU			03/09/22 11:10	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-27

Date Collected: 03/08/22 15:54
Date Received: 03/11/22 09:30

Lab Sample ID: 180-135070-9

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**0.72**	**J**	1.0	0.71	mg/L			04/06/22 21:55	1
Fluoride	**0.50**		0.10	0.026	mg/L			03/22/22 06:29	1
Sulfate	**1.6**		1.0	0.76	mg/L			03/22/22 06:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	**0.00064**	**J**	0.0020	0.00051	mg/L		03/18/22 08:55	03/19/22 21:05	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/18/22 08:55	03/19/22 21:05	1
Barium	**0.015**		0.010	0.0031	mg/L		03/18/22 08:55	03/19/22 21:05	1
Beryllium	**0.0048**		0.0025	0.00027	mg/L		03/18/22 08:55	03/19/22 21:05	1
Boron	<0.060		0.080	0.060	mg/L		03/18/22 08:55	03/19/22 21:05	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/18/22 08:55	03/19/22 21:05	1
Calcium	**2.4**		0.50	0.13	mg/L		03/18/22 08:55	03/19/22 21:05	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/18/22 08:55	03/19/22 21:05	1
Cobalt	**0.0013**	**J**	0.0025	0.00026	mg/L		03/18/22 08:55	03/19/22 21:05	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/18/22 08:55	03/19/22 21:05	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/18/22 08:55	03/19/22 21:05	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/18/22 08:55	03/19/22 21:05	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/18/22 08:55	03/19/22 21:05	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/18/22 08:55	03/19/22 21:05	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/18/22 08:55	03/19/22 21:05	1
Vanadium	**0.00085**	**J B**	0.0010	0.00078	mg/L		03/18/22 08:55	03/19/22 21:05	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/18/22 08:55	03/19/22 21:05	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/24/22 13:25	03/25/22 11:10	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**25**		10	10	mg/L			03/14/22 20:44	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.57**				SU			03/08/22 15:54	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-33

Date Collected: 03/09/22 14:40
Date Received: 03/11/22 09:30

Lab Sample ID: 180-135070-10

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.5**		1.0	0.71	mg/L			04/06/22 22:13	1
Fluoride	**2.1**		0.10	0.026	mg/L			03/22/22 07:22	1
Sulfate	**7.4**		1.0	0.76	mg/L			03/22/22 07:22	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/18/22 08:55	03/19/22 21:08	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/18/22 08:55	03/19/22 21:08	1
Barium	**0.0060**	**J**	0.010	0.0031	mg/L		03/18/22 08:55	03/19/22 21:08	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/18/22 08:55	03/19/22 21:08	1
Boron	<0.060		0.080	0.060	mg/L		03/18/22 08:55	03/19/22 21:08	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/18/22 08:55	03/19/22 21:08	1
Calcium	**20**		0.50	0.13	mg/L		03/18/22 08:55	03/19/22 21:08	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/18/22 08:55	03/19/22 21:08	1
Cobalt	**0.00031**	**J**	0.0025	0.00026	mg/L		03/18/22 08:55	03/19/22 21:08	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/18/22 08:55	03/19/22 21:08	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/18/22 08:55	03/19/22 21:08	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/18/22 08:55	03/19/22 21:08	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/18/22 08:55	03/19/22 21:08	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/18/22 08:55	03/19/22 21:08	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/18/22 08:55	03/19/22 21:08	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/18/22 08:55	03/19/22 21:08	1
Zinc	**0.12**		0.0050	0.0029	mg/L		03/18/22 08:55	03/19/22 21:08	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/24/22 13:25	03/25/22 11:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**97**		10	10	mg/L			03/15/22 14:11	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.85**				SU			03/09/22 14:40	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: EB-3

Date Collected: 03/09/22 10:10
Date Received: 03/11/22 09:30

Lab Sample ID: 180-135070-11

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			03/22/22 07:39	1
Fluoride	**0.037**	**J**	0.10	0.026	mg/L			03/22/22 07:39	1
Sulfate	<0.76		1.0	0.76	mg/L			03/22/22 07:39	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/18/22 08:55	03/19/22 21:12	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/18/22 08:55	03/19/22 21:12	1
Barium	<0.0031		0.010	0.0031	mg/L		03/18/22 08:55	03/19/22 21:12	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/18/22 08:55	03/19/22 21:12	1
Boron	<0.060		0.080	0.060	mg/L		03/18/22 08:55	03/19/22 21:12	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/18/22 08:55	03/19/22 21:12	1
Calcium	<0.13		0.50	0.13	mg/L		03/18/22 08:55	03/19/22 21:12	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/18/22 08:55	03/19/22 21:12	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/18/22 08:55	03/19/22 21:12	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/18/22 08:55	03/19/22 21:12	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/18/22 08:55	03/19/22 21:12	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/18/22 08:55	03/19/22 21:12	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/18/22 08:55	03/19/22 21:12	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/18/22 08:55	03/19/22 21:12	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/18/22 08:55	03/19/22 21:12	1
Vanadium	**0.00092**	**J B**	0.0010	0.00078	mg/L		03/18/22 08:55	03/19/22 21:12	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/18/22 08:55	03/19/22 21:12	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/24/22 13:25	03/25/22 11:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/15/22 14:11	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: Dup-3

Date Collected: 03/08/22 00:00
Date Received: 03/11/22 09:30

Lab Sample ID: 180-135070-12

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**0.78**	**J F1**	1.0	0.71	mg/L			04/06/22 22:47	1
Fluoride	**0.084**	**J**	0.10	0.026	mg/L			03/22/22 07:56	1
Sulfate	**1.3**		1.0	0.76	mg/L			03/22/22 07:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/18/22 08:55	03/19/22 21:16	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/18/22 08:55	03/19/22 21:16	1
Barium	**0.016**		0.010	0.0031	mg/L		03/18/22 08:55	03/19/22 21:16	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/18/22 08:55	03/19/22 21:16	1
Boron	<0.060		0.080	0.060	mg/L		03/18/22 08:55	03/19/22 21:16	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/18/22 08:55	03/19/22 21:16	1
Calcium	**7.9**		0.50	0.13	mg/L		03/18/22 08:55	03/19/22 21:16	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/18/22 08:55	03/19/22 21:16	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/18/22 08:55	03/19/22 21:16	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/18/22 08:55	03/19/22 21:16	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/18/22 08:55	03/19/22 21:16	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/18/22 08:55	03/19/22 21:16	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/18/22 08:55	03/19/22 21:16	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/18/22 08:55	03/19/22 21:16	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/18/22 08:55	03/19/22 21:16	1
Vanadium	**0.0019**	**B**	0.0010	0.00078	mg/L		03/18/22 08:55	03/19/22 21:16	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/18/22 08:55	03/19/22 21:16	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/24/22 13:25	03/25/22 11:13	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**64**		10	10	mg/L			03/14/22 20:44	1

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: FB-4

Date Collected: 03/09/22 14:25
Date Received: 03/11/22 09:30

Lab Sample ID: 180-135070-13

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			03/22/22 08:14	1
Fluoride	<0.026		0.10	0.026	mg/L			03/22/22 08:14	1
Sulfate	<0.76		1.0	0.76	mg/L			03/22/22 08:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/18/22 08:55	03/19/22 21:19	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/18/22 08:55	03/19/22 21:19	1
Barium	<0.0031		0.010	0.0031	mg/L		03/18/22 08:55	03/19/22 21:19	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/18/22 08:55	03/19/22 21:19	1
Boron	<0.060		0.080	0.060	mg/L		03/18/22 08:55	03/19/22 21:19	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/18/22 08:55	03/19/22 21:19	1
Calcium	<0.13		0.50	0.13	mg/L		03/18/22 08:55	03/19/22 21:19	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/18/22 08:55	03/19/22 21:19	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/18/22 08:55	03/19/22 21:19	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/18/22 08:55	03/19/22 21:19	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/18/22 08:55	03/19/22 21:19	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/18/22 08:55	03/19/22 21:19	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/18/22 08:55	03/19/22 21:19	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/18/22 08:55	03/19/22 21:19	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/18/22 08:55	03/19/22 21:19	1
Vanadium	**0.00088**	**J B**	0.0010	0.00078	mg/L		03/18/22 08:55	03/19/22 21:19	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/18/22 08:55	03/19/22 21:19	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/24/22 13:25	03/25/22 11:14	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/15/22 14:11	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-24

Date Collected: 03/10/22 11:05
Date Received: 03/11/22 09:30

Lab Sample ID: 180-135070-14

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.2**		1.0	0.71	mg/L			04/07/22 09:17	1
Fluoride	**0.037**	**J**	0.10	0.026	mg/L			03/22/22 08:31	1
Sulfate	**0.83**	**J**	1.0	0.76	mg/L			03/22/22 08:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/18/22 08:55	03/19/22 21:23	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/18/22 08:55	03/19/22 21:23	1
Barium	**0.0095**	**J**	0.010	0.0031	mg/L		03/18/22 08:55	03/19/22 21:23	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/18/22 08:55	03/19/22 21:23	1
Boron	<0.060		0.080	0.060	mg/L		03/18/22 08:55	03/19/22 21:23	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/18/22 08:55	03/19/22 21:23	1
Calcium	**0.14**	**J**	0.50	0.13	mg/L		03/18/22 08:55	03/19/22 21:23	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/18/22 08:55	03/19/22 21:23	1
Cobalt	**0.0011**	**J**	0.0025	0.00026	mg/L		03/18/22 08:55	03/19/22 21:23	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/18/22 08:55	03/19/22 21:23	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/18/22 08:55	03/19/22 21:23	1
Nickel	**0.0011**		0.0010	0.00052	mg/L		03/18/22 08:55	03/19/22 21:23	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/18/22 08:55	03/19/22 21:23	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/18/22 08:55	03/19/22 21:23	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/18/22 08:55	03/19/22 21:23	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/18/22 08:55	03/19/22 21:23	1
Zinc	**0.0037**	**J**	0.0050	0.0029	mg/L		03/18/22 08:55	03/19/22 21:23	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/24/22 13:25	03/25/22 11:15	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**15**		10	10	mg/L			03/16/22 13:54	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.14**				SU			03/10/22 11:05	1

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: GWC-31

Date Collected: 03/10/22 09:55
Date Received: 03/11/22 09:30

Lab Sample ID: 180-135070-15

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**0.94**	**J**	1.0	0.71	mg/L			04/07/22 09:34	1
Fluoride	**1.5**		0.10	0.026	mg/L			03/22/22 08:49	1
Sulfate	**8.9**		1.0	0.76	mg/L			03/22/22 08:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/18/22 08:55	03/19/22 21:27	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/18/22 08:55	03/19/22 21:27	1
Barium	<0.0031		0.010	0.0031	mg/L		03/18/22 08:55	03/19/22 21:27	1
Beryllium	**0.00074**	**J**	0.0025	0.00027	mg/L		03/18/22 08:55	03/19/22 21:27	1
Boron	<0.060		0.080	0.060	mg/L		03/18/22 08:55	03/19/22 21:27	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/18/22 08:55	03/19/22 21:27	1
Calcium	**8.3**		0.50	0.13	mg/L		03/18/22 08:55	03/19/22 21:27	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/18/22 08:55	03/19/22 21:27	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/18/22 08:55	03/19/22 21:27	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/18/22 08:55	03/19/22 21:27	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/18/22 08:55	03/19/22 21:27	1
Nickel	**0.00055**	**J**	0.0010	0.00052	mg/L		03/18/22 08:55	03/19/22 21:27	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/18/22 08:55	03/19/22 21:27	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/18/22 08:55	03/19/22 21:27	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/18/22 08:55	03/19/22 21:27	1
Vanadium	**0.0012**	**B**	0.0010	0.00078	mg/L		03/18/22 08:55	03/19/22 21:27	1
Zinc	**0.0066**		0.0050	0.0029	mg/L		03/18/22 08:55	03/19/22 21:27	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/24/22 13:25	03/25/22 11:16	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**87**		10	10	mg/L			03/16/22 13:54	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.02**				SU			03/10/22 09:55	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-134562-1

Client Sample ID: Dup-4

Date Collected: 03/10/22 00:00
Date Received: 03/11/22 09:30

Lab Sample ID: 180-135070-16

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.0**		1.0	0.71	mg/L			04/07/22 09:51	1
Fluoride	**0.036**	**J**	0.10	0.026	mg/L			03/22/22 09:06	1
Sulfate	**0.84**	**J**	1.0	0.76	mg/L			03/22/22 09:06	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/18/22 08:55	03/19/22 21:30	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/18/22 08:55	03/19/22 21:30	1
Barium	**0.0094**	**J**	0.010	0.0031	mg/L		03/18/22 08:55	03/19/22 21:30	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/18/22 08:55	03/19/22 21:30	1
Boron	<0.060		0.080	0.060	mg/L		03/18/22 08:55	03/19/22 21:30	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/18/22 08:55	03/19/22 21:30	1
Calcium	**0.16**	**J**	0.50	0.13	mg/L		03/18/22 08:55	03/19/22 21:30	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/18/22 08:55	03/19/22 21:30	1
Cobalt	**0.0011**	**J**	0.0025	0.00026	mg/L		03/18/22 08:55	03/19/22 21:30	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/18/22 08:55	03/19/22 21:30	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/18/22 08:55	03/19/22 21:30	1
Nickel	**0.0011**		0.0010	0.00052	mg/L		03/18/22 08:55	03/19/22 21:30	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/18/22 08:55	03/19/22 21:30	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/18/22 08:55	03/19/22 21:30	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/18/22 08:55	03/19/22 21:30	1
Vanadium	**0.00093**	**J B**	0.0010	0.00078	mg/L		03/18/22 08:55	03/19/22 21:30	1
Zinc	**0.0033**	**J**	0.0050	0.0029	mg/L		03/18/22 08:55	03/19/22 21:30	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/24/22 13:25	03/25/22 11:17	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**16**		10	10	mg/L			03/16/22 13:54	1

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

Lab Sample ID: MB 180-390542/38
Matrix: Water
Analysis Batch: 390542

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			03/05/22 21:55	1
Fluoride	<0.026		0.10	0.026	mg/L			03/05/22 21:55	1
Sulfate	<0.76		1.0	0.76	mg/L			03/05/22 21:55	1

Lab Sample ID: MB 180-390542/7
Matrix: Water
Analysis Batch: 390542

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			03/05/22 14:17	1
Fluoride	<0.026		0.10	0.026	mg/L			03/05/22 14:17	1
Sulfate	<0.76		1.0	0.76	mg/L			03/05/22 14:17	1

Lab Sample ID: LCS 180-390542/37
Matrix: Water
Analysis Batch: 390542

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	49.9		mg/L		100	90 - 110
Fluoride	2.50	2.55		mg/L		102	90 - 110
Sulfate	50.0	50.4		mg/L		101	90 - 110

Lab Sample ID: LCS 180-390542/6
Matrix: Water
Analysis Batch: 390542

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	49.9		mg/L		100	90 - 110
Fluoride	2.50	2.55		mg/L		102	90 - 110
Sulfate	50.0	50.4		mg/L		101	90 - 110

Lab Sample ID: 180-134562-1 MS
Matrix: Water
Analysis Batch: 390542

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<0.71		50.0	48.0		mg/L		96	90 - 110
Fluoride	<0.026		2.50	2.40		mg/L		96	90 - 110
Sulfate	<0.76		50.0	48.4		mg/L		97	90 - 110

Lab Sample ID: 180-134562-1 MSD
Matrix: Water
Analysis Batch: 390542

Client Sample ID: EB-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	<0.71		50.0	48.1		mg/L		96	90 - 110	0	20
Fluoride	<0.026		2.50	2.49		mg/L		100	90 - 110	4	20
Sulfate	<0.76		50.0	48.9		mg/L		98	90 - 110	1	20

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

Lab Sample ID: MB 180-390909/7
Matrix: Water
Analysis Batch: 390909

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			03/09/22 12:59	1
Fluoride	<0.026		0.10	0.026	mg/L			03/09/22 12:59	1
Sulfate	<0.76		1.0	0.76	mg/L			03/09/22 12:59	1

Lab Sample ID: LCS 180-390909/6
Matrix: Water
Analysis Batch: 390909

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	50.9		mg/L		102	90 - 110
Fluoride	2.50	2.68		mg/L		107	90 - 110
Sulfate	50.0	51.3		mg/L		103	90 - 110

Lab Sample ID: 180-134760-1 MS
Matrix: Water
Analysis Batch: 390909

Client Sample ID: GWC-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	11		50.0	57.7		mg/L		94	90 - 110
Fluoride	0.093	J	2.50	2.46		mg/L		95	90 - 110
Sulfate	28		50.0	73.4		mg/L		90	90 - 110

Lab Sample ID: 180-134760-1 MSD
Matrix: Water
Analysis Batch: 390909

Client Sample ID: GWC-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	11		50.0	64.8		mg/L		108	90 - 110	12	20
Fluoride	0.093	J	2.50	2.78		mg/L		108	90 - 110	12	20
Sulfate	28		50.0	82.4		mg/L		108	90 - 110	12	20

Lab Sample ID: MB 180-391482/47
Matrix: Water
Analysis Batch: 391482

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			03/14/22 22:24	1
Fluoride	<0.026		0.10	0.026	mg/L			03/14/22 22:24	1
Sulfate	<0.76		1.0	0.76	mg/L			03/14/22 22:24	1

Lab Sample ID: MB 180-391482/7
Matrix: Water
Analysis Batch: 391482

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			03/14/22 11:53	1
Fluoride	<0.026		0.10	0.026	mg/L			03/14/22 11:53	1
Sulfate	<0.76		1.0	0.76	mg/L			03/14/22 11:53	1

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

Lab Sample ID: LCS 180-391482/46
Matrix: Water
Analysis Batch: 391482

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	48.8		mg/L		98	90 - 110
Fluoride	2.50	2.56		mg/L		102	90 - 110
Sulfate	50.0	49.2		mg/L		98	90 - 110

Lab Sample ID: LCS 180-391482/6
Matrix: Water
Analysis Batch: 391482

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	49.6		mg/L		99	90 - 110
Fluoride	2.50	2.60		mg/L		104	90 - 110
Sulfate	50.0	50.1		mg/L		100	90 - 110

Lab Sample ID: 180-134886-6 MS
Matrix: Water
Analysis Batch: 391482

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3.7	F1	50.0	60.4	F1	mg/L		113	90 - 110
Fluoride	0.043	J F1	2.50	2.90	F1	mg/L		114	90 - 110
Sulfate	1.1	F1	50.0	58.0	F1	mg/L		114	90 - 110

Lab Sample ID: 180-134886-6 MSD
Matrix: Water
Analysis Batch: 391482

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3.7	F1	50.0	53.5		mg/L		100	90 - 110	12	20
Fluoride	0.043	J F1	2.50	2.55		mg/L		100	90 - 110	13	20
Sulfate	1.1	F1	50.0	51.0		mg/L		100	90 - 110	13	20

Lab Sample ID: 180-134886-8 MS
Matrix: Water
Analysis Batch: 391482

Client Sample ID: FB-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<0.71		50.0	54.8		mg/L		110	90 - 110
Fluoride	<0.026	F1	2.50	2.83	F1	mg/L		113	90 - 110
Sulfate	<0.76	F1	50.0	56.0	F1	mg/L		112	90 - 110

Lab Sample ID: 180-134886-8 MSD
Matrix: Water
Analysis Batch: 391482

Client Sample ID: FB-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<0.71		50.0	54.4		mg/L		109	90 - 110	1	20
Fluoride	<0.026	F1	2.50	2.81	F1	mg/L		112	90 - 110	1	20
Sulfate	<0.76	F1	50.0	55.2		mg/L		110	90 - 110	1	20

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

Lab Sample ID: MB 180-392394/45
Matrix: Water
Analysis Batch: 392394

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

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

Lab Sample ID: MB 180-392394/7
Matrix: Water
Analysis Batch: 392394

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			03/21/22 13:25	1
Fluoride	<0.026		0.10	0.026	mg/L			03/21/22 13:25	1
Sulfate	<0.76		1.0	0.76	mg/L			03/21/22 13:25	1

Lab Sample ID: LCS 180-392394/44
Matrix: Water
Analysis Batch: 392394

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	55.2		mg/L		110	90 - 110
Fluoride	2.50	2.56		mg/L		102	90 - 110
Sulfate	50.0	47.8		mg/L		96	90 - 110

Lab Sample ID: LCS 180-392394/6
Matrix: Water
Analysis Batch: 392394

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	54.2		mg/L		108	90 - 110
Fluoride	2.50	2.33		mg/L		93	90 - 110
Sulfate	50.0	46.4		mg/L		93	90 - 110

Lab Sample ID: 180-135070-6 MS
Matrix: Water
Analysis Batch: 392394

Client Sample ID: GWC-19
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.046	J	2.50	2.58		mg/L		101	90 - 110
Sulfate	0.94	J	50.0	48.3		mg/L		95	90 - 110

Lab Sample ID: 180-135070-6 MSD
Matrix: Water
Analysis Batch: 392394

Client Sample ID: GWC-19
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.046	J	2.50	2.52		mg/L		99	90 - 110	2	20
Sulfate	0.94	J	50.0	47.1		mg/L		92	90 - 110	3	20

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

Lab Sample ID: 180-135070-16 MS
Matrix: Water
Analysis Batch: 392394

Client Sample ID: Dup-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Fluoride	0.036	J	2.50	2.52		mg/L		99	90 - 110
Sulfate	0.84	J	50.0	46.5		mg/L		91	90 - 110

Lab Sample ID: 180-135070-16 MSD
Matrix: Water
Analysis Batch: 392394

Client Sample ID: Dup-4
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Fluoride	0.036	J	2.50	2.78		mg/L		110	90 - 110	10	20
Sulfate	0.84	J	50.0	52.5		mg/L		103	90 - 110	12	20

Lab Sample ID: MB 180-393431/7
Matrix: Water
Analysis Batch: 393431

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			03/29/22 16:54	1
Fluoride	<0.026		0.10	0.026	mg/L			03/29/22 16:54	1
Sulfate	<0.76		1.0	0.76	mg/L			03/29/22 16:54	1

Lab Sample ID: LCS 180-393431/6
Matrix: Water
Analysis Batch: 393431

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	50.0	52.2		mg/L		104	90 - 110
Fluoride	2.50	2.72		mg/L		109	90 - 110
Sulfate	50.0	52.7		mg/L		105	90 - 110

Lab Sample ID: 180-135070-1 MS
Matrix: Water
Analysis Batch: 393431

Client Sample ID: GWC-26
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3.3		50.0	52.5		mg/L		99	90 - 110

Lab Sample ID: 180-135070-1 MSD
Matrix: Water
Analysis Batch: 393431

Client Sample ID: GWC-26
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3.3		50.0	52.8		mg/L		99	90 - 110	0	20

Lab Sample ID: MB 180-394377/7
Matrix: Water
Analysis Batch: 394377

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			04/06/22 17:34	1
Fluoride	<0.026		0.10	0.026	mg/L			04/06/22 17:34	1

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

Lab Sample ID: MB 180-394377/7
Matrix: Water
Analysis Batch: 394377

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Sulfate	<0.76		1.0	0.76	mg/L			04/06/22 17:34	1

Lab Sample ID: LCS 180-394377/6
Matrix: Water
Analysis Batch: 394377

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride			50.0	49.6		mg/L		99	90 - 110		
Fluoride			2.50	2.30		mg/L		92	90 - 110		
Sulfate			50.0	44.5	*-	mg/L		89	90 - 110		

Lab Sample ID: 180-135070-2 MS
Matrix: Water
Analysis Batch: 394377

Client Sample ID: GWC-32
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	1.0		50.0	54.5		mg/L		107	90 - 110		

Lab Sample ID: 180-135070-2 MSD
Matrix: Water
Analysis Batch: 394377

Client Sample ID: GWC-32
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	1.0		50.0	55.0		mg/L		108	90 - 110	1	20

Lab Sample ID: 180-135070-12 MS
Matrix: Water
Analysis Batch: 394377

Client Sample ID: Dup-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits		
Chloride	0.78	J F1	50.0	44.8	F1	mg/L		88	90 - 110		

Lab Sample ID: 180-135070-12 MSD
Matrix: Water
Analysis Batch: 394377

Client Sample ID: Dup-3
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	0.78	J F1	50.0	44.4	F1	mg/L		87	90 - 110	1	20

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

Lab Sample ID: MB 180-390524/1-A
Matrix: Water
Analysis Batch: 390895

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 390524

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/05/22 09:09	03/08/22 09:38	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/05/22 09:09	03/08/22 09:38	1
Barium	<0.0031		0.010	0.0031	mg/L		03/05/22 09:09	03/08/22 09:38	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/05/22 09:09	03/08/22 09:38	1

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

Lab Sample ID: MB 180-390524/1-A
Matrix: Water
Analysis Batch: 390895

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 390524

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.060		0.080	0.060	mg/L		03/05/22 09:09	03/08/22 09:38	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/05/22 09:09	03/08/22 09:38	1
Calcium	<0.13		0.50	0.13	mg/L		03/05/22 09:09	03/08/22 09:38	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/05/22 09:09	03/08/22 09:38	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/05/22 09:09	03/08/22 09:38	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/05/22 09:09	03/08/22 09:38	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/05/22 09:09	03/08/22 09:38	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/05/22 09:09	03/08/22 09:38	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/05/22 09:09	03/08/22 09:38	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/05/22 09:09	03/08/22 09:38	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/05/22 09:09	03/08/22 09:38	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/05/22 09:09	03/08/22 09:38	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/05/22 09:09	03/08/22 09:38	1

Lab Sample ID: LCS 180-390524/2-A
Matrix: Water
Analysis Batch: 390895

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 390524

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.250	0.251		mg/L		100	80 - 120
Arsenic	1.00	0.997		mg/L		100	80 - 120
Barium	1.00	1.01		mg/L		101	80 - 120
Beryllium	0.500	0.523		mg/L		105	80 - 120
Boron	1.25	1.17		mg/L		94	80 - 120
Cadmium	0.500	0.511		mg/L		102	80 - 120
Calcium	25.0	27.0		mg/L		108	80 - 120
Chromium	0.500	0.508		mg/L		102	80 - 120
Cobalt	0.500	0.505		mg/L		101	80 - 120
Copper	0.500	0.488		mg/L		98	80 - 120
Lead	0.500	0.511		mg/L		102	80 - 120
Nickel	0.500	0.506		mg/L		101	80 - 120
Selenium	1.00	0.983		mg/L		98	80 - 120
Silver	0.250	0.244		mg/L		98	80 - 120
Thallium	1.00	1.02		mg/L		102	80 - 120
Vanadium	0.500	0.504		mg/L		101	80 - 120
Zinc	0.250	0.242		mg/L		97	80 - 120

Lab Sample ID: MB 180-390987/1-A
Matrix: Water
Analysis Batch: 391201

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 390987

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/09/22 12:58	03/10/22 11:35	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/09/22 12:58	03/10/22 11:35	1
Barium	<0.0031		0.010	0.0031	mg/L		03/09/22 12:58	03/10/22 11:35	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/09/22 12:58	03/10/22 11:35	1
Boron	<0.060		0.080	0.060	mg/L		03/09/22 12:58	03/10/22 11:35	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/09/22 12:58	03/10/22 11:35	1
Calcium	<0.13		0.50	0.13	mg/L		03/09/22 12:58	03/10/22 11:35	1

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

Lab Sample ID: MB 180-390987/1-A
Matrix: Water
Analysis Batch: 391201

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 390987

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chromium	<0.0015		0.0020	0.0015	mg/L		03/09/22 12:58	03/10/22 11:35	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/09/22 12:58	03/10/22 11:35	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/09/22 12:58	03/10/22 11:35	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/09/22 12:58	03/10/22 11:35	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/09/22 12:58	03/10/22 11:35	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/09/22 12:58	03/10/22 11:35	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/09/22 12:58	03/10/22 11:35	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/09/22 12:58	03/10/22 11:35	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/09/22 12:58	03/10/22 11:35	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/09/22 12:58	03/10/22 11:35	1

Lab Sample ID: LCS 180-390987/2-A
Matrix: Water
Analysis Batch: 391201

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 390987

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.250	0.256		mg/L		103	80 - 120
Arsenic	1.00	1.04		mg/L		104	80 - 120
Barium	1.00	1.01		mg/L		101	80 - 120
Beryllium	0.500	0.533		mg/L		107	80 - 120
Boron	1.25	1.24		mg/L		100	80 - 120
Cadmium	0.500	0.515		mg/L		103	80 - 120
Calcium	25.0	28.0		mg/L		112	80 - 120
Chromium	0.500	0.511		mg/L		102	80 - 120
Cobalt	0.500	0.524		mg/L		105	80 - 120
Copper	0.500	0.509		mg/L		102	80 - 120
Lead	0.500	0.513		mg/L		103	80 - 120
Nickel	0.500	0.527		mg/L		105	80 - 120
Selenium	1.00	0.997		mg/L		100	80 - 120
Silver	0.250	0.254		mg/L		101	80 - 120
Thallium	1.00	1.02		mg/L		102	80 - 120
Vanadium	0.500	0.508		mg/L		102	80 - 120
Zinc	0.250	0.258		mg/L		103	80 - 120

Lab Sample ID: MB 180-391389/1-A
Matrix: Water
Analysis Batch: 391756

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 391389

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/12/22 12:43	03/15/22 14:12	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/12/22 12:43	03/15/22 14:12	1
Barium	<0.0031		0.010	0.0031	mg/L		03/12/22 12:43	03/15/22 14:12	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/12/22 12:43	03/15/22 14:12	1
Boron	<0.060		0.080	0.060	mg/L		03/12/22 12:43	03/15/22 14:12	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/12/22 12:43	03/15/22 14:12	1
Calcium	<0.13		0.50	0.13	mg/L		03/12/22 12:43	03/15/22 14:12	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/12/22 12:43	03/15/22 14:12	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/12/22 12:43	03/15/22 14:12	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/12/22 12:43	03/15/22 14:12	1

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

Lab Sample ID: MB 180-391389/1-A
Matrix: Water
Analysis Batch: 391756

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 391389

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.00017		0.0010	0.00017	mg/L		03/12/22 12:43	03/15/22 14:12	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/12/22 12:43	03/15/22 14:12	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/12/22 12:43	03/15/22 14:12	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/12/22 12:43	03/15/22 14:12	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/12/22 12:43	03/15/22 14:12	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/12/22 12:43	03/15/22 14:12	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/12/22 12:43	03/15/22 14:12	1

Lab Sample ID: LCS 180-391389/2-A
Matrix: Water
Analysis Batch: 391756

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 391389

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.250	0.262		mg/L		105	80 - 120
Arsenic	1.00	1.04		mg/L		104	80 - 120
Barium	1.00	1.03		mg/L		103	80 - 120
Beryllium	0.500	0.485		mg/L		97	80 - 120
Boron	1.25	1.19		mg/L		95	80 - 120
Cadmium	0.500	0.516		mg/L		103	80 - 120
Calcium	25.0	27.5		mg/L		110	80 - 120
Chromium	0.500	0.517		mg/L		103	80 - 120
Cobalt	0.500	0.528		mg/L		106	80 - 120
Copper	0.500	0.509		mg/L		102	80 - 120
Lead	0.500	0.525		mg/L		105	80 - 120
Nickel	0.500	0.533		mg/L		107	80 - 120
Selenium	1.00	1.03		mg/L		103	80 - 120
Silver	0.250	0.258		mg/L		103	80 - 120
Thallium	1.00	1.11		mg/L		111	80 - 120
Vanadium	0.500	0.520		mg/L		104	80 - 120
Zinc	0.250	0.266		mg/L		106	80 - 120

Lab Sample ID: MB 180-391645/1-A
Matrix: Water
Analysis Batch: 391939

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 391645

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/15/22 10:35	03/16/22 15:12	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/15/22 10:35	03/16/22 15:12	1
Barium	<0.0031		0.010	0.0031	mg/L		03/15/22 10:35	03/16/22 15:12	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/15/22 10:35	03/16/22 15:12	1
Boron	0.0730	J	0.080	0.060	mg/L		03/15/22 10:35	03/16/22 15:12	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/15/22 10:35	03/16/22 15:12	1
Calcium	<0.13		0.50	0.13	mg/L		03/15/22 10:35	03/16/22 15:12	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/15/22 10:35	03/16/22 15:12	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/15/22 10:35	03/16/22 15:12	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/15/22 10:35	03/16/22 15:12	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/15/22 10:35	03/16/22 15:12	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/15/22 10:35	03/16/22 15:12	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/15/22 10:35	03/16/22 15:12	1

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

Lab Sample ID: MB 180-391645/1-A
Matrix: Water
Analysis Batch: 391939

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 391645

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	<0.00047		0.0010	0.00047	mg/L		03/15/22 10:35	03/16/22 15:12	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/15/22 10:35	03/16/22 15:12	1
Zinc	0.00322	J	0.0050	0.0029	mg/L		03/15/22 10:35	03/16/22 15:12	1

Lab Sample ID: LCS 180-391645/2-A
Matrix: Water
Analysis Batch: 391939

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 391645

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.250	0.260		mg/L		104	80 - 120
Arsenic	1.00	0.997		mg/L		100	80 - 120
Barium	1.00	1.02		mg/L		102	80 - 120
Beryllium	0.500	0.512		mg/L		102	80 - 120
Boron	1.25	1.22		mg/L		98	80 - 120
Cadmium	0.500	0.513		mg/L		103	80 - 120
Calcium	25.0	25.9		mg/L		104	80 - 120
Chromium	0.500	0.511		mg/L		102	80 - 120
Cobalt	0.500	0.507		mg/L		101	80 - 120
Copper	0.500	0.493		mg/L		99	80 - 120
Lead	0.500	0.516		mg/L		103	80 - 120
Selenium	1.00	0.984		mg/L		98	80 - 120
Silver	0.250	0.250		mg/L		100	80 - 120
Thallium	1.00	1.04		mg/L		104	80 - 120
Vanadium	0.500	0.511		mg/L		102	80 - 120
Zinc	0.250	0.246		mg/L		98	80 - 120

Lab Sample ID: 180-134886-14 MS
Matrix: Water
Analysis Batch: 391939

Client Sample ID: Dup-2
Prep Type: Total Recoverable
Prep Batch: 391645

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.00051		0.250	0.262		mg/L		105	75 - 125
Arsenic	<0.00028		1.00	0.974		mg/L		97	75 - 125
Barium	0.011		1.00	1.04		mg/L		103	75 - 125
Beryllium	<0.00027		0.500	0.511		mg/L		102	75 - 125
Boron	0.12	B	1.25	1.29		mg/L		93	75 - 125
Cadmium	<0.00022		0.500	0.514		mg/L		103	75 - 125
Calcium	11		25.0	36.4		mg/L		100	75 - 125
Chromium	<0.0015		0.500	0.514		mg/L		103	75 - 125
Cobalt	<0.00026		0.500	0.503		mg/L		101	75 - 125
Copper	<0.0011		0.500	0.491		mg/L		98	75 - 125
Lead	<0.00017		0.500	0.517		mg/L		103	75 - 125
Selenium	<0.00074		1.00	1.00		mg/L		100	75 - 125
Silver	<0.00022		0.250	0.253		mg/L		101	75 - 125
Thallium	<0.00047		1.00	1.04		mg/L		104	75 - 125
Vanadium	0.00094	J	0.500	0.513		mg/L		103	75 - 125
Zinc	<0.0029		0.250	0.241		mg/L		96	75 - 125

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

Lab Sample ID: 180-134886-14 MSD
Matrix: Water
Analysis Batch: 391939

Client Sample ID: Dup-2
Prep Type: Total Recoverable
Prep Batch: 391645

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.00051		0.250	0.257		mg/L		103	75 - 125	2	20
Arsenic	<0.00028		1.00	0.959		mg/L		96	75 - 125	2	20
Barium	0.011		1.00	1.01		mg/L		100	75 - 125	3	20
Beryllium	<0.00027		0.500	0.500		mg/L		100	75 - 125	2	20
Boron	0.12	B	1.25	1.31		mg/L		95	75 - 125	1	20
Cadmium	<0.00022		0.500	0.500		mg/L		100	75 - 125	3	20
Calcium	11		25.0	36.5		mg/L		101	75 - 125	0	20
Chromium	<0.0015		0.500	0.501		mg/L		100	75 - 125	3	20
Cobalt	<0.00026		0.500	0.491		mg/L		98	75 - 125	2	20
Copper	<0.0011		0.500	0.481		mg/L		96	75 - 125	2	20
Lead	<0.00017		0.500	0.503		mg/L		101	75 - 125	3	20
Selenium	<0.00074		1.00	0.979		mg/L		98	75 - 125	2	20
Silver	<0.00022		0.250	0.250		mg/L		100	75 - 125	1	20
Thallium	<0.00047		1.00	1.01		mg/L		101	75 - 125	3	20
Vanadium	0.00094	J	0.500	0.501		mg/L		100	75 - 125	3	20
Zinc	<0.0029		0.250	0.243		mg/L		97	75 - 125	1	20

Lab Sample ID: MB 180-392002/1-A
Matrix: Water
Analysis Batch: 392519

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 392002

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/17/22 10:12	03/19/22 11:37	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/17/22 10:12	03/19/22 11:37	1
Barium	<0.0031		0.010	0.0031	mg/L		03/17/22 10:12	03/19/22 11:37	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/17/22 10:12	03/19/22 11:37	1
Boron	<0.060		0.080	0.060	mg/L		03/17/22 10:12	03/19/22 11:37	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/17/22 10:12	03/19/22 11:37	1
Calcium	<0.13		0.50	0.13	mg/L		03/17/22 10:12	03/19/22 11:37	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/17/22 10:12	03/19/22 11:37	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/17/22 10:12	03/19/22 11:37	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/17/22 10:12	03/19/22 11:37	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/17/22 10:12	03/19/22 11:37	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/17/22 10:12	03/19/22 11:37	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/17/22 10:12	03/19/22 11:37	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/17/22 10:12	03/19/22 11:37	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/17/22 10:12	03/19/22 11:37	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/17/22 10:12	03/19/22 11:37	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/17/22 10:12	03/19/22 11:37	1

Lab Sample ID: LCS 180-392002/2-A
Matrix: Water
Analysis Batch: 392519

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 392002

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.250	0.260		mg/L		104	80 - 120
Arsenic	1.00	1.12		mg/L		112	80 - 120
Barium	1.00	1.06		mg/L		106	80 - 120
Beryllium	0.500	0.546		mg/L		109	80 - 120

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

Lab Sample ID: LCS 180-392002/2-A
Matrix: Water
Analysis Batch: 392519

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 392002

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.25	1.28		mg/L		102	80 - 120
Cadmium	0.500	0.540		mg/L		108	80 - 120
Calcium	25.0	27.7		mg/L		111	80 - 120
Chromium	0.500	0.534		mg/L		107	80 - 120
Cobalt	0.500	0.552		mg/L		110	80 - 120
Copper	0.500	0.530		mg/L		106	80 - 120
Lead	0.500	0.537		mg/L		107	80 - 120
Nickel	0.500	0.555		mg/L		111	80 - 120
Selenium	1.00	1.03		mg/L		103	80 - 120
Silver	0.250	0.269		mg/L		107	80 - 120
Thallium	1.00	1.08		mg/L		108	80 - 120
Vanadium	0.500	0.538		mg/L		108	80 - 120
Zinc	0.250	0.267		mg/L		107	80 - 120

Lab Sample ID: MB 180-392041/1-A
Matrix: Water
Analysis Batch: 392505

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 392041

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	<0.00052		0.0010	0.00052	mg/L		03/17/22 12:18	03/19/22 15:05	1

Lab Sample ID: LCS 180-392041/2-A
Matrix: Water
Analysis Batch: 392505

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 392041

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Nickel	0.500	0.536		mg/L		107	80 - 120

Lab Sample ID: 180-134886-1 MS
Matrix: Water
Analysis Batch: 392505

Client Sample ID: GWC-11
Prep Type: Total Recoverable
Prep Batch: 392041

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Nickel	<0.00052		0.500	0.532		mg/L		106	75 - 125

Lab Sample ID: 180-134886-1 MSD
Matrix: Water
Analysis Batch: 392505

Client Sample ID: GWC-11
Prep Type: Total Recoverable
Prep Batch: 392041

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Nickel	<0.00052		0.500	0.548		mg/L		110	75 - 125	3	20

Lab Sample ID: MB 180-392162/1-A
Matrix: Water
Analysis Batch: 392505

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 392162

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/18/22 08:55	03/19/22 19:52	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/18/22 08:55	03/19/22 19:52	1
Barium	<0.0031		0.010	0.0031	mg/L		03/18/22 08:55	03/19/22 19:52	1

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

Lab Sample ID: MB 180-392162/1-A
Matrix: Water
Analysis Batch: 392505

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 392162

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/18/22 08:55	03/19/22 19:52	1
Boron	<0.060		0.080	0.060	mg/L		03/18/22 08:55	03/19/22 19:52	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/18/22 08:55	03/19/22 19:52	1
Calcium	<0.13		0.50	0.13	mg/L		03/18/22 08:55	03/19/22 19:52	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/18/22 08:55	03/19/22 19:52	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/18/22 08:55	03/19/22 19:52	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/18/22 08:55	03/19/22 19:52	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/18/22 08:55	03/19/22 19:52	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/18/22 08:55	03/19/22 19:52	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/18/22 08:55	03/19/22 19:52	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/18/22 08:55	03/19/22 19:52	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/18/22 08:55	03/19/22 19:52	1
Vanadium	0.000780	J	0.0010	0.00078	mg/L		03/18/22 08:55	03/19/22 19:52	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/18/22 08:55	03/19/22 19:52	1

Lab Sample ID: LCS 180-392162/2-A
Matrix: Water
Analysis Batch: 392505

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 392162

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.250	0.249		mg/L		100	80 - 120
Arsenic	1.00	1.06		mg/L		106	80 - 120
Barium	1.00	1.03		mg/L		103	80 - 120
Beryllium	0.500	0.530		mg/L		106	80 - 120
Boron	1.25	1.17		mg/L		94	80 - 120
Cadmium	0.500	0.515		mg/L		103	80 - 120
Calcium	25.0	27.3		mg/L		109	80 - 120
Chromium	0.500	0.531		mg/L		106	80 - 120
Cobalt	0.500	0.538		mg/L		108	80 - 120
Copper	0.500	0.519		mg/L		104	80 - 120
Lead	0.500	0.530		mg/L		106	80 - 120
Nickel	0.500	0.537		mg/L		107	80 - 120
Selenium	1.00	1.00		mg/L		100	80 - 120
Silver	0.250	0.250		mg/L		100	80 - 120
Thallium	1.00	1.12		mg/L		112	80 - 120
Vanadium	0.500	0.533		mg/L		107	80 - 120
Zinc	0.250	0.259		mg/L		104	80 - 120

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-391619/1-A
Matrix: Water
Analysis Batch: 391910

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 391619

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/15/22 08:37	03/16/22 14:56	1

Method: EPA 7470A - Mercury (CVAA) (Continued)

Lab Sample ID: LCS 180-391619/2-A
Matrix: Water
Analysis Batch: 391910

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 391619

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00267		mg/L		107	80 - 120

Lab Sample ID: MB 180-391840/1-A
Matrix: Water
Analysis Batch: 392076

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 391840

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/16/22 11:31	03/17/22 12:17	1

Lab Sample ID: LCS 180-391840/2-A
Matrix: Water
Analysis Batch: 392076

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 391840

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00277		mg/L		111	80 - 120

Lab Sample ID: MB 180-392938/1-A
Matrix: Water
Analysis Batch: 393082

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 392938

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/24/22 13:25	03/25/22 10:47	1

Lab Sample ID: LCS 180-392938/2-A
Matrix: Water
Analysis Batch: 393082

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 392938

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00256		mg/L		103	80 - 120

Lab Sample ID: MB 180-392940/1-A
Matrix: Water
Analysis Batch: 393087

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 392940

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/24/22 13:29	03/25/22 11:43	1

Lab Sample ID: LCS 180-392940/2-A
Matrix: Water
Analysis Batch: 393087

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 392940

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00254		mg/L		101	80 - 120

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

Lab Sample ID: MB 180-390551/2
Matrix: Water
Analysis Batch: 390551

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/05/22 15:33	1

Lab Sample ID: LCS 180-390551/1
Matrix: Water
Analysis Batch: 390551

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	469	480		mg/L		102	85 - 115

Lab Sample ID: MB 180-390694/2
Matrix: Water
Analysis Batch: 390694

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/07/22 13:59	1

Lab Sample ID: LCS 180-390694/1
Matrix: Water
Analysis Batch: 390694

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	469	446		mg/L		95	85 - 115

Lab Sample ID: MB 180-390708/2
Matrix: Water
Analysis Batch: 390708

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/07/22 17:08	1

Lab Sample ID: LCS 180-390708/1
Matrix: Water
Analysis Batch: 390708

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	469	458		mg/L		98	85 - 115

Lab Sample ID: MB 180-390714/2
Matrix: Water
Analysis Batch: 390714

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/07/22 19:07	1

Lab Sample ID: LCS 180-390714/1
Matrix: Water
Analysis Batch: 390714

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	469	446		mg/L		95	85 - 115

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

Lab Sample ID: MB 180-390868/2
Matrix: Water
Analysis Batch: 390868

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/08/22 15:38	1

Lab Sample ID: LCS 180-390868/1
Matrix: Water
Analysis Batch: 390868

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	469	462		mg/L		99	85 - 115

Lab Sample ID: MB 180-391331/2
Matrix: Water
Analysis Batch: 391331

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/11/22 13:45	1

Lab Sample ID: LCS 180-391331/1
Matrix: Water
Analysis Batch: 391331

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	469	434		mg/L		93	85 - 115

Lab Sample ID: 180-134886-10 DU
Matrix: Water
Analysis Batch: 391331

Client Sample ID: GWC-25
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	59		59.0		mg/L		0	10

Lab Sample ID: MB 180-391573/2
Matrix: Water
Analysis Batch: 391573

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/14/22 20:44	1

Lab Sample ID: LCS 180-391573/1
Matrix: Water
Analysis Batch: 391573

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	469	458		mg/L		98	85 - 115

Lab Sample ID: MB 180-391702/2
Matrix: Water
Analysis Batch: 391702

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/15/22 14:11	1

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

Lab Sample ID: LCS 180-391702/1
Matrix: Water
Analysis Batch: 391702

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			469	470		mg/L		100	85 - 115		

Lab Sample ID: MB 180-391889/2
Matrix: Water
Analysis Batch: 391889

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/16/22 13:54	1

Lab Sample ID: LCS 180-391889/1
Matrix: Water
Analysis Batch: 391889

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Total Dissolved Solids			469	474		mg/L		101	85 - 115		

HPLC/IC

Analysis Batch: 390542

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134562-1	EB-1	Total/NA	Water	EPA 300.0 R2.1	
180-134562-2	GWA-2	Total/NA	Water	EPA 300.0 R2.1	
180-134562-3	GWA-29	Total/NA	Water	EPA 300.0 R2.1	
180-134562-4	GWC-30	Total/NA	Water	EPA 300.0 R2.1	
180-134562-5	GWC-7	Total/NA	Water	EPA 300.0 R2.1	
180-134562-6	GWC-35	Total/NA	Water	EPA 300.0 R2.1	
180-134562-7	FB-2	Total/NA	Water	EPA 300.0 R2.1	
180-134562-8	GWC-34	Total/NA	Water	EPA 300.0 R2.1	
180-134562-9	GWA-1	Total/NA	Water	EPA 300.0 R2.1	
180-134562-10	GWA-3	Total/NA	Water	EPA 300.0 R2.1	
180-134562-11	GWA-4	Total/NA	Water	EPA 300.0 R2.1	
180-134562-12	GWA-28	Total/NA	Water	EPA 300.0 R2.1	
180-134562-13	FB-1	Total/NA	Water	EPA 300.0 R2.1	
MB 180-390542/38	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
MB 180-390542/7	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-390542/37	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-390542/6	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-134562-1 MS	EB-1	Total/NA	Water	EPA 300.0 R2.1	
180-134562-1 MSD	EB-1	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 390909

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134760-1	GWC-5	Total/NA	Water	EPA 300.0 R2.1	
180-134760-2	GWC-6	Total/NA	Water	EPA 300.0 R2.1	
180-134760-3	GWC-8	Total/NA	Water	EPA 300.0 R2.1	
180-134760-4	Dup-1	Total/NA	Water	EPA 300.0 R2.1	
MB 180-390909/7	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-390909/6	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-134760-1 MS	GWC-5	Total/NA	Water	EPA 300.0 R2.1	
180-134760-1 MSD	GWC-5	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 391482

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134886-1	GWC-11	Total/NA	Water	EPA 300.0 R2.1	
180-134886-2	GWC-12	Total/NA	Water	EPA 300.0 R2.1	
180-134886-3	GWC-14	Total/NA	Water	EPA 300.0 R2.1	
180-134886-4	GWC-15	Total/NA	Water	EPA 300.0 R2.1	
180-134886-5	GWC-20	Total/NA	Water	EPA 300.0 R2.1	
180-134886-6	GWC-21	Total/NA	Water	EPA 300.0 R2.1	
180-134886-7	EB-2	Total/NA	Water	EPA 300.0 R2.1	
180-134886-8	FB-3	Total/NA	Water	EPA 300.0 R2.1	
180-134886-9	GWC-13	Total/NA	Water	EPA 300.0 R2.1	
180-134886-10	GWC-25	Total/NA	Water	EPA 300.0 R2.1	
180-134886-11	GWC-18	Total/NA	Water	EPA 300.0 R2.1	
180-134886-12	GWC-10	Total/NA	Water	EPA 300.0 R2.1	
180-134886-13	GWC-16	Total/NA	Water	EPA 300.0 R2.1	
180-134886-14	Dup-2	Total/NA	Water	EPA 300.0 R2.1	
MB 180-391482/47	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
MB 180-391482/7	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-391482/46	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-391482/6	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	

HPLC/IC (Continued)

Analysis Batch: 391482 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134886-6 MS	GWC-21	Total/NA	Water	EPA 300.0 R2.1	
180-134886-6 MSD	GWC-21	Total/NA	Water	EPA 300.0 R2.1	
180-134886-8 MS	FB-3	Total/NA	Water	EPA 300.0 R2.1	
180-134886-8 MSD	FB-3	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 392394

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135070-1	GWC-26	Total/NA	Water	EPA 300.0 R2.1	
180-135070-2	GWC-32	Total/NA	Water	EPA 300.0 R2.1	
180-135070-3	EB-4	Total/NA	Water	EPA 300.0 R2.1	
180-135070-4	GWC-9	Total/NA	Water	EPA 300.0 R2.1	
180-135070-5	GWC-17	Total/NA	Water	EPA 300.0 R2.1	
180-135070-6	GWC-19	Total/NA	Water	EPA 300.0 R2.1	
180-135070-7	GWC-22	Total/NA	Water	EPA 300.0 R2.1	
180-135070-8	GWC-23	Total/NA	Water	EPA 300.0 R2.1	
180-135070-9	GWC-27	Total/NA	Water	EPA 300.0 R2.1	
180-135070-10	GWC-33	Total/NA	Water	EPA 300.0 R2.1	
180-135070-11	EB-3	Total/NA	Water	EPA 300.0 R2.1	
180-135070-12	Dup-3	Total/NA	Water	EPA 300.0 R2.1	
180-135070-13	FB-4	Total/NA	Water	EPA 300.0 R2.1	
180-135070-14	GWC-24	Total/NA	Water	EPA 300.0 R2.1	
180-135070-15	GWC-31	Total/NA	Water	EPA 300.0 R2.1	
180-135070-16	Dup-4	Total/NA	Water	EPA 300.0 R2.1	
MB 180-392394/45	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
MB 180-392394/7	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-392394/44	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-392394/6	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-135070-6 MS	GWC-19	Total/NA	Water	EPA 300.0 R2.1	
180-135070-6 MSD	GWC-19	Total/NA	Water	EPA 300.0 R2.1	
180-135070-16 MS	Dup-4	Total/NA	Water	EPA 300.0 R2.1	
180-135070-16 MSD	Dup-4	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 393431

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135070-1	GWC-26	Total/NA	Water	EPA 300.0 R2.1	
MB 180-393431/7	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-393431/6	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-135070-1 MS	GWC-26	Total/NA	Water	EPA 300.0 R2.1	
180-135070-1 MSD	GWC-26	Total/NA	Water	EPA 300.0 R2.1	

Analysis Batch: 394377

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135070-2	GWC-32	Total/NA	Water	EPA 300.0 R2.1	
180-135070-4	GWC-9	Total/NA	Water	EPA 300.0 R2.1	
180-135070-5	GWC-17	Total/NA	Water	EPA 300.0 R2.1	
180-135070-6	GWC-19	Total/NA	Water	EPA 300.0 R2.1	
180-135070-7	GWC-22	Total/NA	Water	EPA 300.0 R2.1	
180-135070-8	GWC-23	Total/NA	Water	EPA 300.0 R2.1	
180-135070-9	GWC-27	Total/NA	Water	EPA 300.0 R2.1	
180-135070-10	GWC-33	Total/NA	Water	EPA 300.0 R2.1	
180-135070-12	Dup-3	Total/NA	Water	EPA 300.0 R2.1	

HPLC/IC (Continued)

Analysis Batch: 394377 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135070-14	GWC-24	Total/NA	Water	EPA 300.0 R2.1	
180-135070-15	GWC-31	Total/NA	Water	EPA 300.0 R2.1	
180-135070-16	Dup-4	Total/NA	Water	EPA 300.0 R2.1	
MB 180-394377/7	Method Blank	Total/NA	Water	EPA 300.0 R2.1	
LCS 180-394377/6	Lab Control Sample	Total/NA	Water	EPA 300.0 R2.1	
180-135070-2 MS	GWC-32	Total/NA	Water	EPA 300.0 R2.1	
180-135070-2 MSD	GWC-32	Total/NA	Water	EPA 300.0 R2.1	
180-135070-12 MS	Dup-3	Total/NA	Water	EPA 300.0 R2.1	
180-135070-12 MSD	Dup-3	Total/NA	Water	EPA 300.0 R2.1	

Metals

Prep Batch: 390524

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134562-1	EB-1	Total Recoverable	Water	3005A	
180-134562-2	GWA-2	Total Recoverable	Water	3005A	
180-134562-3	GWA-29	Total Recoverable	Water	3005A	
180-134562-4	GWC-30	Total Recoverable	Water	3005A	
180-134562-5	GWC-7	Total Recoverable	Water	3005A	
180-134562-6	GWC-35	Total Recoverable	Water	3005A	
MB 180-390524/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-390524/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 390895

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134562-1	EB-1	Total Recoverable	Water	EPA 6020B	390524
180-134562-2	GWA-2	Total Recoverable	Water	EPA 6020B	390524
180-134562-3	GWA-29	Total Recoverable	Water	EPA 6020B	390524
180-134562-4	GWC-30	Total Recoverable	Water	EPA 6020B	390524
180-134562-5	GWC-7	Total Recoverable	Water	EPA 6020B	390524
180-134562-6	GWC-35	Total Recoverable	Water	EPA 6020B	390524
MB 180-390524/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	390524
LCS 180-390524/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	390524

Prep Batch: 390987

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134562-7	FB-2	Total Recoverable	Water	3005A	
180-134562-8	GWC-34	Total Recoverable	Water	3005A	
180-134562-9	GWA-1	Total Recoverable	Water	3005A	
180-134562-10	GWA-3	Total Recoverable	Water	3005A	
180-134562-11	GWA-4	Total Recoverable	Water	3005A	
180-134562-12	GWA-28	Total Recoverable	Water	3005A	
180-134562-13	FB-1	Total Recoverable	Water	3005A	
MB 180-390987/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-390987/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 391201

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134562-7	FB-2	Total Recoverable	Water	EPA 6020B	390987
180-134562-8	GWC-34	Total Recoverable	Water	EPA 6020B	390987
180-134562-9	GWA-1	Total Recoverable	Water	EPA 6020B	390987

Metals (Continued)

Analysis Batch: 391201 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134562-10	GWA-3	Total Recoverable	Water	EPA 6020B	390987
180-134562-11	GWA-4	Total Recoverable	Water	EPA 6020B	390987
180-134562-12	GWA-28	Total Recoverable	Water	EPA 6020B	390987
180-134562-13	FB-1	Total Recoverable	Water	EPA 6020B	390987
MB 180-390987/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	390987
LCS 180-390987/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	390987

Prep Batch: 391389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134760-1	GWC-5	Total Recoverable	Water	3005A	
180-134760-2	GWC-6	Total Recoverable	Water	3005A	
180-134760-3	GWC-8	Total Recoverable	Water	3005A	
180-134760-4	Dup-1	Total Recoverable	Water	3005A	
MB 180-391389/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-391389/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 391619

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134562-1	EB-1	Total/NA	Water	7470A	
180-134562-2	GWA-2	Total/NA	Water	7470A	
180-134562-3	GWA-29	Total/NA	Water	7470A	
180-134562-4	GWC-30	Total/NA	Water	7470A	
180-134562-5	GWC-7	Total/NA	Water	7470A	
180-134562-6	GWC-35	Total/NA	Water	7470A	
180-134562-7	FB-2	Total/NA	Water	7470A	
180-134562-8	GWC-34	Total/NA	Water	7470A	
180-134562-9	GWA-1	Total/NA	Water	7470A	
180-134562-10	GWA-3	Total/NA	Water	7470A	
180-134562-11	GWA-4	Total/NA	Water	7470A	
180-134562-12	GWA-28	Total/NA	Water	7470A	
180-134562-13	FB-1	Total/NA	Water	7470A	
MB 180-391619/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-391619/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 391645

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134886-1	GWC-11	Total Recoverable	Water	3005A	
180-134886-2	GWC-12	Total Recoverable	Water	3005A	
180-134886-3	GWC-14	Total Recoverable	Water	3005A	
180-134886-4	GWC-15	Total Recoverable	Water	3005A	
180-134886-5	GWC-20	Total Recoverable	Water	3005A	
180-134886-6	GWC-21	Total Recoverable	Water	3005A	
180-134886-7	EB-2	Total Recoverable	Water	3005A	
180-134886-8	FB-3	Total Recoverable	Water	3005A	
180-134886-9	GWC-13	Total Recoverable	Water	3005A	
180-134886-10	GWC-25	Total Recoverable	Water	3005A	
180-134886-11	GWC-18	Total Recoverable	Water	3005A	
180-134886-12	GWC-10	Total Recoverable	Water	3005A	
180-134886-13	GWC-16	Total Recoverable	Water	3005A	
180-134886-14	Dup-2	Total Recoverable	Water	3005A	
MB 180-391645/1-A	Method Blank	Total Recoverable	Water	3005A	

Metals (Continued)

Prep Batch: 391645 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 180-391645/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-134886-14 MS	Dup-2	Total Recoverable	Water	3005A	
180-134886-14 MSD	Dup-2	Total Recoverable	Water	3005A	

Analysis Batch: 391756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134760-1	GWC-5	Total Recoverable	Water	EPA 6020B	391389
180-134760-2	GWC-6	Total Recoverable	Water	EPA 6020B	391389
180-134760-3	GWC-8	Total Recoverable	Water	EPA 6020B	391389
180-134760-4	Dup-1	Total Recoverable	Water	EPA 6020B	391389
MB 180-391389/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	391389
LCS 180-391389/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	391389

Prep Batch: 391840

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134760-1	GWC-5	Total/NA	Water	7470A	
180-134760-2	GWC-6	Total/NA	Water	7470A	
180-134760-3	GWC-8	Total/NA	Water	7470A	
180-134760-4	Dup-1	Total/NA	Water	7470A	
MB 180-391840/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-391840/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 391910

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134562-1	EB-1	Total/NA	Water	EPA 7470A	391619
180-134562-2	GWA-2	Total/NA	Water	EPA 7470A	391619
180-134562-3	GWA-29	Total/NA	Water	EPA 7470A	391619
180-134562-4	GWC-30	Total/NA	Water	EPA 7470A	391619
180-134562-5	GWC-7	Total/NA	Water	EPA 7470A	391619
180-134562-6	GWC-35	Total/NA	Water	EPA 7470A	391619
180-134562-7	FB-2	Total/NA	Water	EPA 7470A	391619
180-134562-8	GWC-34	Total/NA	Water	EPA 7470A	391619
180-134562-9	GWA-1	Total/NA	Water	EPA 7470A	391619
180-134562-10	GWA-3	Total/NA	Water	EPA 7470A	391619
180-134562-11	GWA-4	Total/NA	Water	EPA 7470A	391619
180-134562-12	GWA-28	Total/NA	Water	EPA 7470A	391619
180-134562-13	FB-1	Total/NA	Water	EPA 7470A	391619
MB 180-391619/1-A	Method Blank	Total/NA	Water	EPA 7470A	391619
LCS 180-391619/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	391619

Analysis Batch: 391939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134886-1	GWC-11	Total Recoverable	Water	EPA 6020B	391645
180-134886-2	GWC-12	Total Recoverable	Water	EPA 6020B	391645
180-134886-3	GWC-14	Total Recoverable	Water	EPA 6020B	391645
180-134886-4	GWC-15	Total Recoverable	Water	EPA 6020B	391645
180-134886-5	GWC-20	Total Recoverable	Water	EPA 6020B	391645
180-134886-6	GWC-21	Total Recoverable	Water	EPA 6020B	391645
180-134886-7	EB-2	Total Recoverable	Water	EPA 6020B	391645
180-134886-8	FB-3	Total Recoverable	Water	EPA 6020B	391645
180-134886-9	GWC-13	Total Recoverable	Water	EPA 6020B	391645

Metals (Continued)

Analysis Batch: 391939 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134886-10	GWC-25	Total Recoverable	Water	EPA 6020B	391645
180-134886-11	GWC-18	Total Recoverable	Water	EPA 6020B	391645
180-134886-12	GWC-10	Total Recoverable	Water	EPA 6020B	391645
180-134886-13	GWC-16	Total Recoverable	Water	EPA 6020B	391645
180-134886-14	Dup-2	Total Recoverable	Water	EPA 6020B	391645
MB 180-391645/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	391645
LCS 180-391645/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	391645
180-134886-14 MS	Dup-2	Total Recoverable	Water	EPA 6020B	391645
180-134886-14 MSD	Dup-2	Total Recoverable	Water	EPA 6020B	391645

Prep Batch: 392002

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135070-1	GWC-26	Total Recoverable	Water	3005A	
180-135070-2	GWC-32	Total Recoverable	Water	3005A	
180-135070-3	EB-4	Total Recoverable	Water	3005A	
180-135070-4	GWC-9	Total Recoverable	Water	3005A	
MB 180-392002/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-392002/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 392041

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134886-1	GWC-11	Total Recoverable	Water	3005A	
180-134886-2	GWC-12	Total Recoverable	Water	3005A	
180-134886-3	GWC-14	Total Recoverable	Water	3005A	
180-134886-4	GWC-15	Total Recoverable	Water	3005A	
180-134886-5	GWC-20	Total Recoverable	Water	3005A	
180-134886-6	GWC-21	Total Recoverable	Water	3005A	
180-134886-7	EB-2	Total Recoverable	Water	3005A	
180-134886-8	FB-3	Total Recoverable	Water	3005A	
180-134886-9	GWC-13	Total Recoverable	Water	3005A	
180-134886-10	GWC-25	Total Recoverable	Water	3005A	
180-134886-11	GWC-18	Total Recoverable	Water	3005A	
180-134886-12	GWC-10	Total Recoverable	Water	3005A	
180-134886-13	GWC-16	Total Recoverable	Water	3005A	
180-134886-14	Dup-2	Total Recoverable	Water	3005A	
MB 180-392041/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-392041/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-134886-1 MS	GWC-11	Total Recoverable	Water	3005A	
180-134886-1 MSD	GWC-11	Total Recoverable	Water	3005A	

Analysis Batch: 392076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134760-1	GWC-5	Total/NA	Water	EPA 7470A	391840
180-134760-2	GWC-6	Total/NA	Water	EPA 7470A	391840
180-134760-3	GWC-8	Total/NA	Water	EPA 7470A	391840
180-134760-4	Dup-1	Total/NA	Water	EPA 7470A	391840
MB 180-391840/1-A	Method Blank	Total/NA	Water	EPA 7470A	391840
LCS 180-391840/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	391840

Metals

Prep Batch: 392162

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135070-5	GWC-17	Total Recoverable	Water	3005A	
180-135070-6	GWC-19	Total Recoverable	Water	3005A	
180-135070-7	GWC-22	Total Recoverable	Water	3005A	
180-135070-8	GWC-23	Total Recoverable	Water	3005A	
180-135070-9	GWC-27	Total Recoverable	Water	3005A	
180-135070-10	GWC-33	Total Recoverable	Water	3005A	
180-135070-11	EB-3	Total Recoverable	Water	3005A	
180-135070-12	Dup-3	Total Recoverable	Water	3005A	
180-135070-13	FB-4	Total Recoverable	Water	3005A	
180-135070-14	GWC-24	Total Recoverable	Water	3005A	
180-135070-15	GWC-31	Total Recoverable	Water	3005A	
180-135070-16	Dup-4	Total Recoverable	Water	3005A	
MB 180-392162/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-392162/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 392505

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134886-1	GWC-11	Total Recoverable	Water	EPA 6020B	392041
180-134886-2	GWC-12	Total Recoverable	Water	EPA 6020B	392041
180-134886-3	GWC-14	Total Recoverable	Water	EPA 6020B	392041
180-134886-4	GWC-15	Total Recoverable	Water	EPA 6020B	392041
180-134886-5	GWC-20	Total Recoverable	Water	EPA 6020B	392041
180-134886-6	GWC-21	Total Recoverable	Water	EPA 6020B	392041
180-134886-7	EB-2	Total Recoverable	Water	EPA 6020B	392041
180-134886-8	FB-3	Total Recoverable	Water	EPA 6020B	392041
180-134886-9	GWC-13	Total Recoverable	Water	EPA 6020B	392041
180-134886-10	GWC-25	Total Recoverable	Water	EPA 6020B	392041
180-134886-11	GWC-18	Total Recoverable	Water	EPA 6020B	392041
180-134886-12	GWC-10	Total Recoverable	Water	EPA 6020B	392041
180-134886-13	GWC-16	Total Recoverable	Water	EPA 6020B	392041
180-134886-14	Dup-2	Total Recoverable	Water	EPA 6020B	392041
180-135070-5	GWC-17	Total Recoverable	Water	EPA 6020B	392162
180-135070-6	GWC-19	Total Recoverable	Water	EPA 6020B	392162
180-135070-7	GWC-22	Total Recoverable	Water	EPA 6020B	392162
180-135070-8	GWC-23	Total Recoverable	Water	EPA 6020B	392162
180-135070-9	GWC-27	Total Recoverable	Water	EPA 6020B	392162
180-135070-10	GWC-33	Total Recoverable	Water	EPA 6020B	392162
180-135070-11	EB-3	Total Recoverable	Water	EPA 6020B	392162
180-135070-12	Dup-3	Total Recoverable	Water	EPA 6020B	392162
180-135070-13	FB-4	Total Recoverable	Water	EPA 6020B	392162
180-135070-14	GWC-24	Total Recoverable	Water	EPA 6020B	392162
180-135070-15	GWC-31	Total Recoverable	Water	EPA 6020B	392162
180-135070-16	Dup-4	Total Recoverable	Water	EPA 6020B	392162
MB 180-392041/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	392041
MB 180-392162/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	392162
LCS 180-392041/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	392041
LCS 180-392162/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	392162
180-134886-1 MS	GWC-11	Total Recoverable	Water	EPA 6020B	392041
180-134886-1 MSD	GWC-11	Total Recoverable	Water	EPA 6020B	392041

Metals

Analysis Batch: 392519

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135070-1	GWC-26	Total Recoverable	Water	EPA 6020B	392002
180-135070-2	GWC-32	Total Recoverable	Water	EPA 6020B	392002
180-135070-3	EB-4	Total Recoverable	Water	EPA 6020B	392002
180-135070-4	GWC-9	Total Recoverable	Water	EPA 6020B	392002
MB 180-392002/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	392002
LCS 180-392002/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	392002

Analysis Batch: 392669

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135070-1	GWC-26	Total Recoverable	Water	EPA 6020B	392002
180-135070-2	GWC-32	Total Recoverable	Water	EPA 6020B	392002
180-135070-3	EB-4	Total Recoverable	Water	EPA 6020B	392002
180-135070-4	GWC-9	Total Recoverable	Water	EPA 6020B	392002

Prep Batch: 392938

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135070-1	GWC-26	Total/NA	Water	7470A	
180-135070-2	GWC-32	Total/NA	Water	7470A	
180-135070-3	EB-4	Total/NA	Water	7470A	
180-135070-4	GWC-9	Total/NA	Water	7470A	
180-135070-5	GWC-17	Total/NA	Water	7470A	
180-135070-6	GWC-19	Total/NA	Water	7470A	
180-135070-7	GWC-22	Total/NA	Water	7470A	
180-135070-8	GWC-23	Total/NA	Water	7470A	
180-135070-9	GWC-27	Total/NA	Water	7470A	
180-135070-10	GWC-33	Total/NA	Water	7470A	
180-135070-11	EB-3	Total/NA	Water	7470A	
180-135070-12	Dup-3	Total/NA	Water	7470A	
180-135070-13	FB-4	Total/NA	Water	7470A	
180-135070-14	GWC-24	Total/NA	Water	7470A	
180-135070-15	GWC-31	Total/NA	Water	7470A	
180-135070-16	Dup-4	Total/NA	Water	7470A	
MB 180-392938/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-392938/2-A	Lab Control Sample	Total/NA	Water	7470A	

Prep Batch: 392940

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134886-1	GWC-11	Total/NA	Water	7470A	
180-134886-2	GWC-12	Total/NA	Water	7470A	
180-134886-3	GWC-14	Total/NA	Water	7470A	
180-134886-4	GWC-15	Total/NA	Water	7470A	
180-134886-5	GWC-20	Total/NA	Water	7470A	
180-134886-6	GWC-21	Total/NA	Water	7470A	
180-134886-7	EB-2	Total/NA	Water	7470A	
180-134886-8	FB-3	Total/NA	Water	7470A	
180-134886-9	GWC-13	Total/NA	Water	7470A	
180-134886-10	GWC-25	Total/NA	Water	7470A	
180-134886-11	GWC-18	Total/NA	Water	7470A	
180-134886-12	GWC-10	Total/NA	Water	7470A	
180-134886-13	GWC-16	Total/NA	Water	7470A	
180-134886-14	Dup-2	Total/NA	Water	7470A	

Metals (Continued)

Prep Batch: 392940 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 180-392940/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-392940/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 393082

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135070-1	GWC-26	Total/NA	Water	EPA 7470A	392938
180-135070-2	GWC-32	Total/NA	Water	EPA 7470A	392938
180-135070-3	EB-4	Total/NA	Water	EPA 7470A	392938
180-135070-4	GWC-9	Total/NA	Water	EPA 7470A	392938
180-135070-5	GWC-17	Total/NA	Water	EPA 7470A	392938
180-135070-6	GWC-19	Total/NA	Water	EPA 7470A	392938
180-135070-7	GWC-22	Total/NA	Water	EPA 7470A	392938
180-135070-8	GWC-23	Total/NA	Water	EPA 7470A	392938
180-135070-9	GWC-27	Total/NA	Water	EPA 7470A	392938
180-135070-10	GWC-33	Total/NA	Water	EPA 7470A	392938
180-135070-11	EB-3	Total/NA	Water	EPA 7470A	392938
180-135070-12	Dup-3	Total/NA	Water	EPA 7470A	392938
180-135070-13	FB-4	Total/NA	Water	EPA 7470A	392938
180-135070-14	GWC-24	Total/NA	Water	EPA 7470A	392938
180-135070-15	GWC-31	Total/NA	Water	EPA 7470A	392938
180-135070-16	Dup-4	Total/NA	Water	EPA 7470A	392938
MB 180-392938/1-A	Method Blank	Total/NA	Water	EPA 7470A	392938
LCS 180-392938/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	392938

Analysis Batch: 393087

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134886-1	GWC-11	Total/NA	Water	EPA 7470A	392940
180-134886-2	GWC-12	Total/NA	Water	EPA 7470A	392940
180-134886-3	GWC-14	Total/NA	Water	EPA 7470A	392940
180-134886-4	GWC-15	Total/NA	Water	EPA 7470A	392940
180-134886-5	GWC-20	Total/NA	Water	EPA 7470A	392940
180-134886-6	GWC-21	Total/NA	Water	EPA 7470A	392940
180-134886-7	EB-2	Total/NA	Water	EPA 7470A	392940
180-134886-8	FB-3	Total/NA	Water	EPA 7470A	392940
180-134886-9	GWC-13	Total/NA	Water	EPA 7470A	392940
180-134886-10	GWC-25	Total/NA	Water	EPA 7470A	392940
180-134886-11	GWC-18	Total/NA	Water	EPA 7470A	392940
180-134886-12	GWC-10	Total/NA	Water	EPA 7470A	392940
180-134886-13	GWC-16	Total/NA	Water	EPA 7470A	392940
180-134886-14	Dup-2	Total/NA	Water	EPA 7470A	392940
MB 180-392940/1-A	Method Blank	Total/NA	Water	EPA 7470A	392940
LCS 180-392940/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	392940

General Chemistry

Analysis Batch: 390551

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134562-1	EB-1	Total/NA	Water	SM 2540C	
180-134562-2	GWA-2	Total/NA	Water	SM 2540C	
180-134562-9	GWA-1	Total/NA	Water	SM 2540C	
180-134562-10	GWA-3	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 390551 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134562-11	GWA-4	Total/NA	Water	SM 2540C	
180-134562-12	GWA-28	Total/NA	Water	SM 2540C	
180-134562-13	FB-1	Total/NA	Water	SM 2540C	
MB 180-390551/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-390551/1	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 390694

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134760-1	GWC-5	Total/NA	Water	SM 2540C	
180-134760-4	Dup-1	Total/NA	Water	SM 2540C	
MB 180-390694/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-390694/1	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 390708

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134562-3	GWA-29	Total/NA	Water	SM 2540C	
180-134760-2	GWC-6	Total/NA	Water	SM 2540C	
180-134760-3	GWC-8	Total/NA	Water	SM 2540C	
MB 180-390708/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-390708/1	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 390714

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134562-4	GWC-30	Total/NA	Water	SM 2540C	
180-134562-5	GWC-7	Total/NA	Water	SM 2540C	
180-134562-6	GWC-35	Total/NA	Water	SM 2540C	
180-134562-7	FB-2	Total/NA	Water	SM 2540C	
180-134562-8	GWC-34	Total/NA	Water	SM 2540C	
MB 180-390714/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-390714/1	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 390868

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134562-1	EB-1	Total/NA	Water	SM 2540C	
MB 180-390868/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-390868/1	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 391331

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134886-1	GWC-11	Total/NA	Water	SM 2540C	
180-134886-2	GWC-12	Total/NA	Water	SM 2540C	
180-134886-3	GWC-14	Total/NA	Water	SM 2540C	
180-134886-4	GWC-15	Total/NA	Water	SM 2540C	
180-134886-5	GWC-20	Total/NA	Water	SM 2540C	
180-134886-6	GWC-21	Total/NA	Water	SM 2540C	
180-134886-7	EB-2	Total/NA	Water	SM 2540C	
180-134886-8	FB-3	Total/NA	Water	SM 2540C	
180-134886-9	GWC-13	Total/NA	Water	SM 2540C	
180-134886-10	GWC-25	Total/NA	Water	SM 2540C	
180-134886-11	GWC-18	Total/NA	Water	SM 2540C	
180-134886-12	GWC-10	Total/NA	Water	SM 2540C	

General Chemistry (Continued)

Analysis Batch: 391331 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134886-13	GWC-16	Total/NA	Water	SM 2540C	
180-134886-14	Dup-2	Total/NA	Water	SM 2540C	
MB 180-391331/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-391331/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-134886-10 DU	GWC-25	Total/NA	Water	SM 2540C	

Analysis Batch: 391573

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135070-5	GWC-17	Total/NA	Water	SM 2540C	
180-135070-6	GWC-19	Total/NA	Water	SM 2540C	
180-135070-7	GWC-22	Total/NA	Water	SM 2540C	
180-135070-9	GWC-27	Total/NA	Water	SM 2540C	
180-135070-12	Dup-3	Total/NA	Water	SM 2540C	
MB 180-391573/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-391573/1	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 391702

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135070-1	GWC-26	Total/NA	Water	SM 2540C	
180-135070-2	GWC-32	Total/NA	Water	SM 2540C	
180-135070-3	EB-4	Total/NA	Water	SM 2540C	
180-135070-4	GWC-9	Total/NA	Water	SM 2540C	
180-135070-8	GWC-23	Total/NA	Water	SM 2540C	
180-135070-10	GWC-33	Total/NA	Water	SM 2540C	
180-135070-11	EB-3	Total/NA	Water	SM 2540C	
180-135070-13	FB-4	Total/NA	Water	SM 2540C	
MB 180-391702/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-391702/1	Lab Control Sample	Total/NA	Water	SM 2540C	

Analysis Batch: 391889

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135070-14	GWC-24	Total/NA	Water	SM 2540C	
180-135070-15	GWC-31	Total/NA	Water	SM 2540C	
180-135070-16	Dup-4	Total/NA	Water	SM 2540C	
MB 180-391889/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-391889/1	Lab Control Sample	Total/NA	Water	SM 2540C	

Field Service / Mobile Lab

Analysis Batch: 391139

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134562-2	GWA-2	Total/NA	Water	Field Sampling	
180-134562-3	GWA-29	Total/NA	Water	Field Sampling	
180-134562-4	GWC-30	Total/NA	Water	Field Sampling	
180-134562-5	GWC-7	Total/NA	Water	Field Sampling	
180-134562-6	GWC-35	Total/NA	Water	Field Sampling	
180-134562-8	GWC-34	Total/NA	Water	Field Sampling	
180-134562-9	GWA-1	Total/NA	Water	Field Sampling	
180-134562-10	GWA-3	Total/NA	Water	Field Sampling	
180-134562-11	GWA-4	Total/NA	Water	Field Sampling	
180-134562-12	GWA-28	Total/NA	Water	Field Sampling	

Field Service / Mobile Lab

Analysis Batch: 391278

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134760-1	GWC-5	Total/NA	Water	Field Sampling	
180-134760-2	GWC-6	Total/NA	Water	Field Sampling	
180-134760-3	GWC-8	Total/NA	Water	Field Sampling	

Analysis Batch: 391864

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134886-1	GWC-11	Total/NA	Water	Field Sampling	
180-134886-2	GWC-12	Total/NA	Water	Field Sampling	
180-134886-3	GWC-14	Total/NA	Water	Field Sampling	
180-134886-4	GWC-15	Total/NA	Water	Field Sampling	
180-134886-5	GWC-20	Total/NA	Water	Field Sampling	
180-134886-6	GWC-21	Total/NA	Water	Field Sampling	
180-134886-9	GWC-13	Total/NA	Water	Field Sampling	
180-134886-10	GWC-25	Total/NA	Water	Field Sampling	
180-134886-11	GWC-18	Total/NA	Water	Field Sampling	
180-134886-12	GWC-10	Total/NA	Water	Field Sampling	
180-134886-13	GWC-16	Total/NA	Water	Field Sampling	

Analysis Batch: 392179

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-135070-1	GWC-26	Total/NA	Water	Field Sampling	
180-135070-2	GWC-32	Total/NA	Water	Field Sampling	
180-135070-4	GWC-9	Total/NA	Water	Field Sampling	
180-135070-5	GWC-17	Total/NA	Water	Field Sampling	
180-135070-6	GWC-19	Total/NA	Water	Field Sampling	
180-135070-7	GWC-22	Total/NA	Water	Field Sampling	
180-135070-8	GWC-23	Total/NA	Water	Field Sampling	
180-135070-9	GWC-27	Total/NA	Water	Field Sampling	
180-135070-10	GWC-33	Total/NA	Water	Field Sampling	
180-135070-14	GWC-24	Total/NA	Water	Field Sampling	
180-135070-15	GWC-31	Total/NA	Water	Field Sampling	

Eurofins 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

244- ATLANTA

Anna Schnitker

Client Information	Sampler: Hunter Auld	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-78492-10389.4
Client Contact: Kristen Jurinko	Phone: 770-594-5998	E-Mail: Shali.Brown@Eurofinset.com	State of Origin:	Page: Page 4 of 5
Company: Southern Company	PWSID:	Analysis Requested		Job #:
Address: 241 Ralph McGill Blvd SE B10185	Due Date Requested:			Preservation Codes:
City: Atlanta	TAT Requested (days):			A - HCL M - Hexane
State, Zip: GA, 30308	Compliance Project: Δ Yes Δ No			NaO2
Phone: 404-506-7116(Tel)	PO #: Purchase Order Requested			2O4S
Email: KNJURINK@SOUTHERNCO.COM	WO #:			2SO3
Project Name: CCR - Plant Wansley Landfil	Project #: 18019922			2S2O3
Site: Georgia	SSOW#:			3O4

180-134562 Chain of Custody

Dodecahydrate
tone
A
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)	2540C_Calcd, 300_ORGFM_28D	6020B - Custom 17 (Appiii + State Metals)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	D		
EB-1	3-1-22	1425	G	W	N	N	✓	✓	2	
GWA-2	3-1-22	1435	G	W	N	N	✓	✓	2	pH = 5.65
GWA-29	3-2-22	1043	G	W	N	N	✓	✓	2	pH = 5.87
GWC-30	3-2-22	1135	G	W	N	N	✓	✓	2	pH = 6.07
GWC-7	3-2-22	1050	G	W	N	N	✓	✓	2	pH = 6.40
GWC-35	3-2-22	1242	G	W	N	N	✓	✓	2	pH = 5.73
FB-2	3-2-22	1315	G	W	N	N	✓	✓	2	
GWC-34	3-2-22	1335	G	W	N	N	✓	✓	2	pH = 5.91
GWA-1	2-28-22	1515	G	W	N	N	✓	✓	2	pH = 5.29
GWA-3	3-1-22	1135	G	W	N	N	✓	✓	2	pH = 5.70
GWA-4	3-1-22	1250	G	W	N	N	✓	✓	2	pH = 6.29

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		Date/Time:	Company
Relinquished by: Hunter Auld	3-2-22/1605	ACC	Received by: Michael Wakefield	3-2-22 16:11	
Relinquished by: Michael Wakefield	3-2-22 16:11		Received by:	3-3-22	EST
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 7:30	Company

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

Eurofins 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: A. Schnittker, H. Auld	Lab PM: Brown, Shali	Carrier Tracking No(s): 244 ATLANTA	COC No: 180-78492-10389.5
Client Contact: Kristen Jurinko	Phone: 770-594-5998	E-Mail: Shali.Brown@Eurofinset.com	State of Origin:	Page: Page 5 of 5
Company: Southern Company	PWSID:			Job #:
Address: 241 Ralph McGill Blvd SE B10185	Due Date Requested:			
City: Atlanta	TAT Requested (days):			
State, Zip: GA, 30308	Compliance Project: Δ Yes Δ No			
Phone: 404-506-7116(Tel)	PO #: Purchase Order Requested			
Email: KNJURINK@SOUTHERNCO.COM	WO #:			
Project Name: CCR - Plant Wansley Landfil	Project #: 18019922			
Site: Georgia	SSOW#:			

Analysis Requested

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 - Custom 17 (AppIII + State Metals)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	D		
GWA-28	3-1-22	1450	G	W	N	N	✓	✓	2	pH = 5.96
FB-1	3-1-22	1235	G	W	N	N	✓	✓	2	

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:

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
H. Auld	3-2-22 / 1605	ACC	Michael Meskel	3-2-22 16:11	
Michael Meskel	3-2-22 16:11				

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

Ver: 06/08/2021

Eurofins 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

244- ATLANTA

Anna Schriftker

Client Information	Sampler: Hunter Auld	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-78492-10389.4
Client Contact: Kristen Jurinko	Phone: 770-594-5998	E-Mail: Shali.Brown@Eurofinset.com	State of Origin:	Page: Page 4 of 5
Company: Southern Company	PWSID:			Job #:
Address: 241 Ralph McGill Blvd SE B10185	Due Date Requested:			
City: Atlanta	TAT Requested (days):			
State, Zip: GA, 30308	Compliance Project: Δ Yes Δ No			
Phone: 404-506-7116(Tel)	PO #: Purchase Order Requested			
Email: KNJURINK@SOUTHERNCO.COM	WO #:			
Project Name: CCR - Plant Wansley Landfil	Project #: 18019922			
Site: Georgia	SSOW#:			

Analysis Requested

Preservation Codes:
A - HCL
M - Hexane
Z - other (specify)
Other:

180-134562 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)	2540C_Calcd, 300_ORGFM_28D	6020B - Custom 17 (Appiii + State Metals)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				N	D		
EB-1	3-1-22	1425	G	W	N	N	✓	✓	2	
GWA-2	3-1-22	1435	G	W	N	N	✓	✓	2	pH = 5.65
GWA-29	3-2-22	1043	G	W	N	N	✓	✓	2	pH = 5.87
GWC-30	3-2-22	1135	G	W	N	N	✓	✓	2	pH = 6.07
GWC-7	3-2-22	1050	G	W	N	N	✓	✓	2	pH = 6.40
GWC-35	3-2-22	1242	G	W	N	N	✓	✓	2	pH = 5.73
FB-2	3-2-22	1315	G	W	N	N	✓	✓	2	
GWC-34	3-2-22	1335	G	W	N	N	✓	✓	2	pH = 5.91
GWA-1	2-28-22	1515	G	W	N	N	✓	✓	2	pH = 5.29
GWA-3	3-1-22	1135	G	W	N	N	✓	✓	2	pH = 5.70
GWA-4	3-1-22	1250	G	W	N	N	✓	✓	2	pH = 6.29

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		Date/Time:	Company
Relinquished by: H Auld	3-2-22/1605	ACC	Received by: Michael Wakefield	3-2-22 16:11	
Relinquished by: Michael Wakefield	3-2-22 16:11		Received by:	3-3-22	EST
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 7:30	Company

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

Eurofins 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

244 - ATLANTA

Client Information	Sampler: A. Schnittker, H. Auld	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No: 180-78492-10389.5
Client Contact: Kristen Jurinko	Phone: 770-594-5998	E-Mail: Shali.Brown@Eurofinset.com	State of Origin:	Page: Page 5 of 5
Company: Southern Company	PWSID:			Job #:
Address: 241 Ralph McGill Blvd SE B10185	Due Date Requested:			
City: Atlanta	TAT Requested (days):			
State, Zip: GA, 30308	Compliance Project: Δ Yes Δ No			
Phone: 404-506-7116(Tel)	PO #: Purchase Order Requested			
Email: KNJURINK@SOUTHERNCO.COM	WO #:			
Project Name: CCR - Plant Wansley Landfil	Project #: 18019922			
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)	2540C_Calcd, 300_ORGFM_28D	6020B - Custom 17 (AppIII + State Metals)	Total Number of containers	Special Instructions/Note:
			Preservation Code:		X	X	N	D	X	
GWA-28	3-1-22	1450	G	W	N	N	✓	✓	2	pH = 5.96
FB-1	3-1-22	1235	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:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
H. Auld	3-2-22 / 1605	ACC	Michael Mackey	3-2-22 16:11	
Relinquished by: Michael Mackey	Date/Time: 3-2-22 16:11	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: 06/08/2021

4/8/2022

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

Chain of Custody Record

244- ATLANTA

Eurofins Environment Testing America

Client Information	Sampler: A. Schnittker/H.Adel	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:
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 #:			
Email: SCS Contacts	WO #:			
Project Name: CCR - Plant Wansley Landfill	Project #: 18019922			
Site:	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 and State Permit Metals (EPA 6020 & 7470): As, B, Ba, Be, Ca, Cd, Cr, Co, Cu, Pb, Ni, Sb, Se, Ag, Tl, V, Zn, Hg	Cl, F, SO_4, & TDS (EPA 300.0 & SM 2540C)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	I		
GWC-5	3/2/22	1250	G	Water	N	N	✓	✓	2	pH= 6.31
GWC-6	3/2/22	1410	G	Water	N	N	✓	✓	2	pH= 5.89
GWC-8	3/2/22	1600	G	Water	N	N	✓	✓	2	pH= 5.89
DUP-1	3/2/22	—	G	Water	N	N	✓	✓	2	pH= —
			G	Water	N	N				pH=
			G	Water	N	N				pH=
			G	Water	N	N				pH=
			G	Water	N	N				pH=
			G	Water	N	N				pH=
			G	Water	N	N				pH=
			G	Water	N	N				pH=

180-134760 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: H Adel	Date/Time: 3-4-22/1706	Company AEC	Received by:	Date/Time: 3/4/22 17:06	Company ETA
Relinquished by:	Date/Time: 3/4/22 17:10	Company ETA	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

4/8/2022

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

Chain of Custody Record

eurofins | Environment Testing America

180-134886 Chain of Custody

Client Information	Sampler: H. Auld, A. Schrittker	Lab PM: Brown, Shali
Client Contact: SCS Contacts	Phone: 770-594-5998	E-Mail: shali.brown@eurofinset.com
Company: GA Power		
Address: 241 Ralph McGill Blvd SE	Due Date Requested:	
City: Atlanta	TAT Requested (days):	
State, Zip: GA, 30308		
Phone: 404-506-7116(Tel)	PO #:	
Email: SCS Contacts	WO #:	
Project Name: CCR - Plant Wansley Landfill	Project #: 18019922	
Site:	SSOW#:	

Analysis Req

244-ATLANTA

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	APP III and State Permit Metals (EPA 6020 & 7470): As, B, Ba, Be, Ca, Cd, Cr, Co, Cu, Pb, Ni, Sb, Se, Ag, Tl, V, Zn, Hg	Cl, F, SO4, & TDS (EPA 300.0 & SM 2540C)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	I		
GWC-11	3-7-22	1518	G	Water	N	N	✓	✓	2	pH= 6.10
GWC-12	3-7-22	1525	G	Water	N	N	✓	✓	2	pH= 7.32
GWC-14	3-7-22	1320	G	Water	N	N	✓	✓	2	pH= 5.50
GWC-15	3-7-22	1418	G	Water	N	N	✓	✓	2	pH= 6.50
GWC-20	3-7-22	1050	G	Water	N	N	✓	✓	2	pH= 6.13
GWC-21	3-7-22	1150	G	Water	N	N	✓	✓	2	pH= 5.37
EB-2	3-7-22	1105	G	Water	N	N	✓	✓	2	pH= —
FB-3	3-8-22	1110	G	Water	N	N	✓	✓	2	pH= —
GWC-13	3-8-22	1130	G	Water	N	N	✓	✓	2	pH= 6.93
GWC-25	3-8-22	1230	G	Water	N	N	✓	✓	2	pH= 6.24
GWC-18	3-8-22	1343	G	Water	N	N	✓	✓	2	pH= 6.01

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: H. Auld	3-8-22/1620	ACC		3/8/22 16:20	ETA
Relinquished by:	3/8/22 16:25	ETA	Received by:		
Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 3-9-22 1030	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

4/8/2022

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: A. Schittker, H. Auld	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:
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 #:			
Email: SCS Contacts	WO #:			
Project Name: CCR - Plant Wansley Landfill	Project #: 18019922			
Site:	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)	APP III and State Permit Metals (EPA 6020 & 7470): As, B, Ba, Be, Ca, Cd, Cr, Co, Cu, Pb, Ni, Sb, Se, Ag, Tl, V, Zn, Hg	Cl, F, SO4, & TDS (EPA 300.0 & SM 2540C)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	I		
GWC-10	3-8-22	1100	G	Water	N	N	✓	✓	2	pH= 5.90
GWC-16	3-8-22	1215	G	Water	N	N	✓	✓	2	pH= 6.03
Dup-2	3-7-22	—	G	Water	N	N	✓	✓	2	pH= —
			G	Water	N	N				pH=
			G	Water	N	N				pH=
			G	Water	N	N				pH=
			G	Water	N	N				pH=
			G	Water	N	N				pH=
			G	Water	N	N				pH=
			G	Water	N	N				pH=

244-ATLANTA

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	H. Auld	3-8-22 1600	ACC		3/8/22 16:20	ETA
2		3/8/22 16:28	ETA		3-9-22	~~ETA~~
3		Date/Time:	Company	Received by:	Date/Time: 1030	Company

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

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

Chain of Custody Record

eurofins | Environment Testing America

Client Information	Sampler: H. Auld, A. Schmitt Kar, J. Bernstad	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:
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 #:			
Email: SCS Contacts	WO #:			
Project Name: CCR - Plant Wansley Landfill	Project #: 18019922			
Site:	SSOW#:			

Analysis Requested

244- ATLANTA

180-135070 Chain of Custody

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, T - TSP Dodecahydrate

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	APP III and State Permit Metals (EPA 6020 & 7470): As, B, Ba, Be, Ca, Cd, Cr, Co, Cu, Pb, Ni, Sb, Se, Ag, Tl, V, Zn, Hg	Cl, F, SO4, & TDS (EPA 300.0 & SM 2540C)	Total N	Special Instructions/Note:
Preservation Code:							D	I		
GWC-26	3-9-22	1056	G	Water	N	N	✓	✓	2	pH= 5.69
GWC-32	3-9-22	1400	G	Water	N	N	✓	✓	2	pH= 6.11
EB-4	3-9-22	1125	G	Water	N	N	✓	✓	2	pH= —
GWC-9	3-9-22	1415	G	Water	N	N	✓	✓	2	pH= 5.53
GWC-17	3-8-22	1355	G	Water	N	N	✓	✓	2	pH= 6.06
GWC-19	3-8-22	1425	G	Water	N	N	✓	✓	2	pH= 5.81
GWC-22	3-8-22	1515	G	Water	N	N	✓	✓	2	pH= 6.41
GWC-23	3-9-22	1110	G	Water	N	N	✓	✓	2	pH= 5.50
GWC-27	3-8-22	1554	G	Water	N	N	✓	✓	2	pH= 5.57
GWC-33	3-9-22	1440	G	Water	N	N	✓	✓	2	pH= 5.85
EB-3	3-9-22	1010	G	Water	N	N	✓	✓	2	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:

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

Relinquished by:	Date/Time:	Company	Received by:	Date/Time:	Company
	3-10-22/1511	ACC	Michael Meskell	3-10-22 15:11	
Relinquished by: Michael Meskell	Date/Time: 3-10-22 1511	Company	Received by:	Date/Time: 3-11-22 9:30	Company EGT ATL
Relinquished by:	Date/Time:	Company	Received by:		

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 America

Client Information	Sampler: H. Auld, A. Schittker	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:
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 #:			
Email: SCS Contacts	WO #:			
Project Name: CCR - Plant Wansley Landfill	Project #: 18019922			
Site:	SSOW#:			

Analysis Requested

244 ATLANTA

Sample Identification	Sample Date	Sample Time	Sample Type (C=comp, G=grab)	Matrix (W=water, S=solid, O=wasteoil, BT=Tissue, A=Air)	Field Filtered Sample (Yes or No)	S	APP III and State Permit Metals (EPA 6020 & 7470): As, B, Ba, Be, Ca, Cd, Cr, Co, Cu, Pb, Ni, Sb, Se, Ag, Tl, V, Zn, Hg	Cl, F, SO4, & TDS (EPA 300.0 & SM 2540C)	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	I		
Dup-3	3-8-22	—	G	Water	N	N	✓	✓	2	pH= —
FB-4	3-9-22	1425	G	Water	N	N	✓	✓	2	pH= —
GWC-24	3-10-22	1105	G	Water	N	N	✓	✓	2	pH= 5.14
GWC-31	3-10-22	0955	G	Water	N	N	✓	✓	2	pH= 6.02
Dup-4	3-10-22 (MS)	—	G	Water	N	N	✓	✓	2	pH= —
			G	Water	N	N				pH=
			G	Water	N	N				pH=
			G	Water	N	N				pH=
			G	Water	N	N				pH=
			G	Water	N	N				pH=
			G	Water	N	N				pH=

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:

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]	3-10-22 1511	ACC	[signature]	3-10-22 15:11	
2	[signature]	3-10-22 15:11		[signature]	3-11-22	EST Aptl
3	Relinquished by:	Date/Time:	Company	Received by:	Date/Time: 9:30	Company

Custody Seals Intact: Δ Yes Δ No | Custody Seal No.:

Cooler Temperature(s) °C and Other Remarks:

Ver: 01/16/2019

4/8/2022

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-134562-1

Login Number: 134562
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

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

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-134562-1

Login Number: 134760
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

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

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-134562-1

Login Number: 134886
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

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

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-134562-1

Login Number: 135070
List Number: 1
Creator: Watson, Debbie

List Source: Eurofins Pittsburgh

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

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 180-134768-1
Client Project/Site: Wansley Landfill Surface Waters

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

Attn: Kristen N Jurinko

Authorized for release by:
3/18/2022 4:33:26 PM

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

PA Lab ID: 02-00416

Table of Contents

Cover Page 1
Table of Contents 2
Case Narrative 3
Definitions/Glossary 4
Certification Summary 5
Sample Summary 6
Method Summary 7
Lab Chronicle 8
Client Sample Results 11
QC Sample Results 16
QC Association Summary 19
Chain of Custody 21
Receipt Checklists 22

Case Narrative

Client: Southern Company
Project/Site: Wansley Landfill Surface Waters

Job ID: 180-134768-1

Job ID: 180-134768-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-134768-1

Receipt
The samples were received on 3/5/2022 9:00 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 6 coolers at receipt time were 2.1°C, 2.9°C, 2.9°C, 4.2°C, 4.4°C and 4.4°C

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

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

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

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

Definitions/Glossary

Client: Southern Company
Job ID: 180-134768-1
Project/Site: Wansley Landfill Surface Waters

Qualifiers

HPLC/IC

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

Metals

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

Glossary

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

Accreditation/Certification Summary

Client: Southern Company
Job ID: 180-134768-1
Project/Site: Wansley Landfill Surface Waters

Laboratory: Eurofins Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-22
California	State	2891	04-30-22
Connecticut	State	PH-0688	09-30-22
Florida	NELAP	E871008	06-30-22
Georgia	State	PA 02-00416	04-30-22
Illinois	NELAP	004375	06-30-22
Kansas	NELAP	E-10350	03-31-22
Kentucky (UST)	State	162013	04-30-22
Kentucky (WW)	State	KY98043	12-31-22
Louisiana	NELAP	04041	06-30-22
Maine	State	PA00164	03-06-24
Minnesota	NELAP	042-999-482	12-31-22
Nevada	State	PA00164	08-31-22
New Hampshire	NELAP	2030	04-05-22
New Jersey	NELAP	PA005	06-30-23
New York	NELAP	11182	04-02-22
North Carolina (WW/SW)	State	434	12-31-22
North Dakota	State	R-227	04-30-22
Oregon	NELAP	PA-2151	02-06-22 *
Pennsylvania	NELAP	02-00416	04-30-22
Rhode Island	State	LAO00362	12-31-21 *
South Carolina	State	89014	06-30-22
Texas	NELAP	T104704528	03-31-22
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Utah	NELAP	PA001462019-8	05-31-22
Virginia	NELAP	10043	09-15-22
West Virginia DEP	State	142	01-31-23
Wisconsin	State	998027800	08-31-22

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

Sample Summary

Client: Southern Company
Project/Site: Wansley Landfill Surface Waters

Job ID: 180-134768-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-134768-1	SWC-5	Water	03/04/22 10:30	03/05/22 09:00
180-134768-2	SWA-6	Water	03/04/22 10:45	03/05/22 09:00
180-134768-3	SWC-7	Water	03/04/22 11:00	03/05/22 09:00
180-134768-4	SWC-8	Water	03/04/22 11:50	03/05/22 09:00
180-134768-5	SWA-1	Water	03/04/22 11:30	03/05/22 09:00

Method Summary

Client: Southern Company
Project/Site: Wansley Landfill Surface Waters

Job ID: 180-134768-1

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

Protocol References:

EPA = US Environmental Protection Agency

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

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

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

Laboratory References:

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

Lab Chronicle

Client: Southern Company
Project/Site: Wansley Landfill Surface Waters

Job ID: 180-134768-1

Client Sample ID: SWC-5
Date Collected: 03/04/22 10:30
Date Received: 03/05/22 09:00

Lab Sample ID: 180-134768-1
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	300.0		1			390806	03/08/22 14:02	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	391389	03/12/22 12:43	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			391756	03/15/22 15:39	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	391862	03/16/22 12:24	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			392076	03/17/22 13:05	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	391040	03/09/22 18:45	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			391339	03/04/22 10:30	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SWA-6
Date Collected: 03/04/22 10:45
Date Received: 03/05/22 09:00

Lab Sample ID: 180-134768-2
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	300.0		1			390806	03/08/22 14:45	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	391389	03/12/22 12:43	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			391756	03/15/22 15:43	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	391862	03/16/22 12:24	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			392076	03/17/22 13:06	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	391040	03/09/22 18:45	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			391339	03/04/22 10:45	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SWC-7
Date Collected: 03/04/22 11:00
Date Received: 03/05/22 09:00

Lab Sample ID: 180-134768-3
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	300.0		1			390806	03/08/22 15:00	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	391389	03/12/22 12:43	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			391756	03/15/22 15:46	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	391862	03/16/22 12:24	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			392076	03/17/22 13:07	RJR	TAL PIT
	Instrument ID: HGY									

Lab Chronicle

Client: Southern Company
Project/Site: Wansley Landfill Surface Waters

Job ID: 180-134768-1

Client Sample ID: SWC-7

Date Collected: 03/04/22 11:00
Date Received: 03/05/22 09:00

Lab Sample ID: 180-134768-3

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	SM 2540C		1	100 mL	100 mL	391040	03/09/22 18:45	JCR	TAL PIT
Total/NA	Analysis	Field Sampling		1			391339	03/04/22 11:00	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SWC-8

Date Collected: 03/04/22 11:50
Date Received: 03/05/22 09:00

Lab Sample ID: 180-134768-4

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	300.0		1			390806	03/08/22 15:14	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	391389	03/12/22 12:43	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			391756	03/15/22 15:57	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	391862	03/16/22 12:24	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			392076	03/17/22 13:11	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	391040	03/09/22 18:45	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			391339	03/04/22 11:50	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: SWA-1

Date Collected: 03/04/22 11:30
Date Received: 03/05/22 09:00

Lab Sample ID: 180-134768-5

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	300.0		1			390806	03/08/22 15:29	JRB	TAL PIT
	Instrument ID: INTEGRION									
Total Recoverable	Prep	3005A			25 mL	25 mL	391389	03/12/22 12:43	KFS	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			391756	03/15/22 16:01	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Prep	7470A			25 mL	25 mL	391862	03/16/22 12:24	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			392076	03/17/22 13:12	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	SM 2540C		1	100 mL	100 mL	391040	03/09/22 18:45	JCR	TAL PIT
	Instrument ID: NOEQUIP									
Total/NA	Analysis	Field Sampling		1			391339	03/04/22 11:30	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Laboratory References:

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

Lab Chronicle

Client: Southern Company
Project/Site: Wansley Landfill Surface Waters

Job ID: 180-134768-1

Analyst References:

Lab: TAL PIT

Batch Type: Prep

KFS = Kelly Shannon

RJR = Ron Rosenbaum

Batch Type: Analysis

FDS = Sampler Field

JCR = Jessica Rodgers

JRB = James Burzio

RJR = Ron Rosenbaum

RSK = Robert Kurtz

Client Sample Results

Client: Southern Company
Project/Site: Wansley Landfill Surface Waters

Job ID: 180-134768-1

Client Sample ID: SWC-5

Date Collected: 03/04/22 10:30
Date Received: 03/05/22 09:00

Lab Sample ID: 180-134768-1

Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**26**		1.0	0.71	mg/L			03/08/22 14:02	1
Fluoride	**0.11**		0.10	0.026	mg/L			03/08/22 14:02	1
Sulfate	**16**		1.0	0.76	mg/L			03/08/22 14:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/12/22 12:43	03/15/22 15:39	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/12/22 12:43	03/15/22 15:39	1
Barium	**0.097**		0.010	0.0031	mg/L		03/12/22 12:43	03/15/22 15:39	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/12/22 12:43	03/15/22 15:39	1
Boron	**0.25**		0.080	0.060	mg/L		03/12/22 12:43	03/15/22 15:39	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/12/22 12:43	03/15/22 15:39	1
Calcium	**16**		0.50	0.13	mg/L		03/12/22 12:43	03/15/22 15:39	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/12/22 12:43	03/15/22 15:39	1
Cobalt	**0.019**		0.0025	0.00026	mg/L		03/12/22 12:43	03/15/22 15:39	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/12/22 12:43	03/15/22 15:39	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/12/22 12:43	03/15/22 15:39	1
Nickel	**0.0069**		0.0010	0.00052	mg/L		03/12/22 12:43	03/15/22 15:39	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/12/22 12:43	03/15/22 15:39	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/12/22 12:43	03/15/22 15:39	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/12/22 12:43	03/15/22 15:39	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/12/22 12:43	03/15/22 15:39	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/12/22 12:43	03/15/22 15:39	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/16/22 12:24	03/17/22 13:05	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**140**		10	10	mg/L			03/09/22 18:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.69**				SU			03/04/22 10:30	1

Client: Southern Company
Project/Site: Wansley Landfill Surface Waters

Job ID: 180-134768-1

Client Sample ID: SWA-6

Date Collected: 03/04/22 10:45
Date Received: 03/05/22 09:00

Lab Sample ID: 180-134768-2

Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11**		1.0	0.71	mg/L			03/08/22 14:45	1
Fluoride	**0.13**		0.10	0.026	mg/L			03/08/22 14:45	1
Sulfate	**10**		1.0	0.76	mg/L			03/08/22 14:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/12/22 12:43	03/15/22 15:43	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/12/22 12:43	03/15/22 15:43	1
Barium	**0.027**		0.010	0.0031	mg/L		03/12/22 12:43	03/15/22 15:43	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/12/22 12:43	03/15/22 15:43	1
Boron	**0.092**		0.080	0.060	mg/L		03/12/22 12:43	03/15/22 15:43	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/12/22 12:43	03/15/22 15:43	1
Calcium	**7.5**		0.50	0.13	mg/L		03/12/22 12:43	03/15/22 15:43	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/12/22 12:43	03/15/22 15:43	1
Cobalt	**0.00050**	**J**	0.0025	0.00026	mg/L		03/12/22 12:43	03/15/22 15:43	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/12/22 12:43	03/15/22 15:43	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/12/22 12:43	03/15/22 15:43	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/12/22 12:43	03/15/22 15:43	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/12/22 12:43	03/15/22 15:43	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/12/22 12:43	03/15/22 15:43	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/12/22 12:43	03/15/22 15:43	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/12/22 12:43	03/15/22 15:43	1
Zinc	**0.0041**	**J**	0.0050	0.0029	mg/L		03/12/22 12:43	03/15/22 15:43	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/16/22 12:24	03/17/22 13:06	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**56**		10	10	mg/L			03/09/22 18:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.63**				SU			03/04/22 10:45	1

Client Sample Results

Client: Southern Company
Project/Site: Wansley Landfill Surface Waters

Job ID: 180-134768-1

Client Sample ID: SWC-7

Date Collected: 03/04/22 11:00
Date Received: 03/05/22 09:00

Lab Sample ID: 180-134768-3

Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**11**		1.0	0.71	mg/L			03/08/22 15:00	1
Fluoride	**0.10**		0.10	0.026	mg/L			03/08/22 15:00	1
Sulfate	**12**		1.0	0.76	mg/L			03/08/22 15:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/12/22 12:43	03/15/22 15:46	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/12/22 12:43	03/15/22 15:46	1
Barium	**0.028**		0.010	0.0031	mg/L		03/12/22 12:43	03/15/22 15:46	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/12/22 12:43	03/15/22 15:46	1
Boron	**0.11**		0.080	0.060	mg/L		03/12/22 12:43	03/15/22 15:46	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/12/22 12:43	03/15/22 15:46	1
Calcium	**8.0**		0.50	0.13	mg/L		03/12/22 12:43	03/15/22 15:46	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/12/22 12:43	03/15/22 15:46	1
Cobalt	**0.00060**	**J**	0.0025	0.00026	mg/L		03/12/22 12:43	03/15/22 15:46	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/12/22 12:43	03/15/22 15:46	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/12/22 12:43	03/15/22 15:46	1
Nickel	**0.00063**	**J**	0.0010	0.00052	mg/L		03/12/22 12:43	03/15/22 15:46	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/12/22 12:43	03/15/22 15:46	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/12/22 12:43	03/15/22 15:46	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/12/22 12:43	03/15/22 15:46	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/12/22 12:43	03/15/22 15:46	1
Zinc	**0.0038**	**J**	0.0050	0.0029	mg/L		03/12/22 12:43	03/15/22 15:46	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/16/22 12:24	03/17/22 13:07	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**67**		10	10	mg/L			03/09/22 18:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.95**				SU			03/04/22 11:00	1

Client Sample Results

Client: Southern Company
Project/Site: Wansley Landfill Surface Waters

Job ID: 180-134768-1

Client Sample ID: SWC-8

Date Collected: 03/04/22 11:50
Date Received: 03/05/22 09:00

Lab Sample ID: 180-134768-4

Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**4.2**		1.0	0.71	mg/L			03/08/22 15:14	1
Fluoride	**0.087**	**J**	0.10	0.026	mg/L			03/08/22 15:14	1
Sulfate	**12**		1.0	0.76	mg/L			03/08/22 15:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/12/22 12:43	03/15/22 15:57	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/12/22 12:43	03/15/22 15:57	1
Barium	**0.036**		0.010	0.0031	mg/L		03/12/22 12:43	03/15/22 15:57	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/12/22 12:43	03/15/22 15:57	1
Boron	<0.060		0.080	0.060	mg/L		03/12/22 12:43	03/15/22 15:57	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/12/22 12:43	03/15/22 15:57	1
Calcium	**13**		0.50	0.13	mg/L		03/12/22 12:43	03/15/22 15:57	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/12/22 12:43	03/15/22 15:57	1
Cobalt	**0.0053**		0.0025	0.00026	mg/L		03/12/22 12:43	03/15/22 15:57	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/12/22 12:43	03/15/22 15:57	1
Lead	**0.00020**	**J**	0.0010	0.00017	mg/L		03/12/22 12:43	03/15/22 15:57	1
Nickel	**0.00092**	**J**	0.0010	0.00052	mg/L		03/12/22 12:43	03/15/22 15:57	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/12/22 12:43	03/15/22 15:57	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/12/22 12:43	03/15/22 15:57	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/12/22 12:43	03/15/22 15:57	1
Vanadium	**0.00086**	**J**	0.0010	0.00078	mg/L		03/12/22 12:43	03/15/22 15:57	1
Zinc	**0.0034**	**J**	0.0050	0.0029	mg/L		03/12/22 12:43	03/15/22 15:57	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/16/22 12:24	03/17/22 13:11	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**86**		10	10	mg/L			03/09/22 18:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**6.19**				SU			03/04/22 11:50	1

Client Sample Results

Client: Southern Company
Project/Site: Wansley Landfill Surface Waters

Job ID: 180-134768-1

Client Sample ID: SWA-1

Date Collected: 03/04/22 11:30
Date Received: 03/05/22 09:00

Lab Sample ID: 180-134768-5

Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**3.1**		1.0	0.71	mg/L			03/08/22 15:29	1
Fluoride	**0.091**	**J**	0.10	0.026	mg/L			03/08/22 15:29	1
Sulfate	**2.2**		1.0	0.76	mg/L			03/08/22 15:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/12/22 12:43	03/15/22 16:01	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/12/22 12:43	03/15/22 16:01	1
Barium	**0.018**		0.010	0.0031	mg/L		03/12/22 12:43	03/15/22 16:01	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/12/22 12:43	03/15/22 16:01	1
Boron	<0.060		0.080	0.060	mg/L		03/12/22 12:43	03/15/22 16:01	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/12/22 12:43	03/15/22 16:01	1
Calcium	**2.7**		0.50	0.13	mg/L		03/12/22 12:43	03/15/22 16:01	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/12/22 12:43	03/15/22 16:01	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/12/22 12:43	03/15/22 16:01	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/12/22 12:43	03/15/22 16:01	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/12/22 12:43	03/15/22 16:01	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/12/22 12:43	03/15/22 16:01	1
Selenium	<0.00074		0.0050	0.00074	mg/L		03/12/22 12:43	03/15/22 16:01	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/12/22 12:43	03/15/22 16:01	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/12/22 12:43	03/15/22 16:01	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/12/22 12:43	03/15/22 16:01	1
Zinc	**0.0035**	**J**	0.0050	0.0029	mg/L		03/12/22 12:43	03/15/22 16:01	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/16/22 12:24	03/17/22 13:12	1

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	**39**		10	10	mg/L			03/09/22 18:45	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**7.00**				SU			03/04/22 11:30	1

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 180-390806/7
Matrix: Water
Analysis Batch: 390806

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.71		1.0	0.71	mg/L			03/08/22 13:22	1
Fluoride	<0.026		0.10	0.026	mg/L			03/08/22 13:22	1
Sulfate	<0.76		1.0	0.76	mg/L			03/08/22 13:22	1

Lab Sample ID: LCS 180-390806/6
Matrix: Water
Analysis Batch: 390806

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	53.4		mg/L		107	90 - 110
Fluoride	2.50	2.59		mg/L		104	90 - 110
Sulfate	50.0	51.3		mg/L		103	90 - 110

Lab Sample ID: 180-134768-1 MS
Matrix: Water
Analysis Batch: 390806

Client Sample ID: SWC-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloride	26		50.0	76.2		mg/L		101	90 - 110
Fluoride	0.11		2.50	2.57		mg/L		99	90 - 110
Sulfate	16		50.0	65.3		mg/L		98	90 - 110

Lab Sample ID: 180-134768-1 MSD
Matrix: Water
Analysis Batch: 390806

Client Sample ID: SWC-5
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	26		50.0	76.1		mg/L		101	90 - 110	0	20
Fluoride	0.11		2.50	2.64		mg/L		101	90 - 110	3	20
Sulfate	16		50.0	65.0		mg/L		98	90 - 110	0	20

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

Lab Sample ID: MB 180-391389/1-A
Matrix: Water
Analysis Batch: 391756

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 391389

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00051		0.0020	0.00051	mg/L		03/12/22 12:43	03/15/22 14:12	1
Arsenic	<0.00028		0.0010	0.00028	mg/L		03/12/22 12:43	03/15/22 14:12	1
Barium	<0.0031		0.010	0.0031	mg/L		03/12/22 12:43	03/15/22 14:12	1
Beryllium	<0.00027		0.0025	0.00027	mg/L		03/12/22 12:43	03/15/22 14:12	1
Boron	<0.060		0.080	0.060	mg/L		03/12/22 12:43	03/15/22 14:12	1
Cadmium	<0.00022		0.0025	0.00022	mg/L		03/12/22 12:43	03/15/22 14:12	1
Calcium	<0.13		0.50	0.13	mg/L		03/12/22 12:43	03/15/22 14:12	1
Chromium	<0.0015		0.0020	0.0015	mg/L		03/12/22 12:43	03/15/22 14:12	1
Cobalt	<0.00026		0.0025	0.00026	mg/L		03/12/22 12:43	03/15/22 14:12	1
Copper	<0.0011		0.0020	0.0011	mg/L		03/12/22 12:43	03/15/22 14:12	1
Lead	<0.00017		0.0010	0.00017	mg/L		03/12/22 12:43	03/15/22 14:12	1
Nickel	<0.00052		0.0010	0.00052	mg/L		03/12/22 12:43	03/15/22 14:12	1

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

Lab Sample ID: MB 180-391389/1-A
Matrix: Water
Analysis Batch: 391756

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 391389

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.00074		0.0050	0.00074	mg/L		03/12/22 12:43	03/15/22 14:12	1
Silver	<0.00022		0.0010	0.00022	mg/L		03/12/22 12:43	03/15/22 14:12	1
Thallium	<0.00047		0.0010	0.00047	mg/L		03/12/22 12:43	03/15/22 14:12	1
Vanadium	<0.00078		0.0010	0.00078	mg/L		03/12/22 12:43	03/15/22 14:12	1
Zinc	<0.0029		0.0050	0.0029	mg/L		03/12/22 12:43	03/15/22 14:12	1

Lab Sample ID: LCS 180-391389/2-A
Matrix: Water
Analysis Batch: 391756

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 391389

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Antimony	0.250	0.262		mg/L		105	80 - 120
Arsenic	1.00	1.04		mg/L		104	80 - 120
Barium	1.00	1.03		mg/L		103	80 - 120
Beryllium	0.500	0.485		mg/L		97	80 - 120
Boron	1.25	1.19		mg/L		95	80 - 120
Cadmium	0.500	0.516		mg/L		103	80 - 120
Calcium	25.0	27.5		mg/L		110	80 - 120
Chromium	0.500	0.517		mg/L		103	80 - 120
Cobalt	0.500	0.528		mg/L		106	80 - 120
Copper	0.500	0.509		mg/L		102	80 - 120
Lead	0.500	0.525		mg/L		105	80 - 120
Nickel	0.500	0.533		mg/L		107	80 - 120
Selenium	1.00	1.03		mg/L		103	80 - 120
Silver	0.250	0.258		mg/L		103	80 - 120
Thallium	1.00	1.11		mg/L		111	80 - 120
Vanadium	0.500	0.520		mg/L		104	80 - 120
Zinc	0.250	0.266		mg/L		106	80 - 120

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-391862/1-A
Matrix: Water
Analysis Batch: 392076

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 391862

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		03/16/22 12:24	03/17/22 12:44	1

Lab Sample ID: LCS 180-391862/2-A
Matrix: Water
Analysis Batch: 392076

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 391862

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Mercury	0.00250	0.00215		mg/L		86	80 - 120

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

Lab Sample ID: MB 180-391040/2
Matrix: Water
Analysis Batch: 391040

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			03/09/22 18:45	1

Lab Sample ID: LCS 180-391040/1
Matrix: Water
Analysis Batch: 391040

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Dissolved Solids			469	448		mg/L		96	85 - 115		

Lab Sample ID: 180-134768-3 DU
Matrix: Water
Analysis Batch: 391040

Client Sample ID: SWC-7
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Total Dissolved Solids	67			62.0		mg/L				8	10

QC Association Summary

Client: Southern Company
Project/Site: Wansley Landfill Surface Waters

Job ID: 180-134768-1

HPLC/IC

Analysis Batch: 390806

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134768-1	SWC-5	Total/NA	Water	300.0	
180-134768-2	SWA-6	Total/NA	Water	300.0	
180-134768-3	SWC-7	Total/NA	Water	300.0	
180-134768-4	SWC-8	Total/NA	Water	300.0	
180-134768-5	SWA-1	Total/NA	Water	300.0	
MB 180-390806/7	Method Blank	Total/NA	Water	300.0	
LCS 180-390806/6	Lab Control Sample	Total/NA	Water	300.0	
180-134768-1 MS	SWC-5	Total/NA	Water	300.0	
180-134768-1 MSD	SWC-5	Total/NA	Water	300.0	

Metals

Prep Batch: 391389

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134768-1	SWC-5	Total Recoverable	Water	3005A	
180-134768-2	SWA-6	Total Recoverable	Water	3005A	
180-134768-3	SWC-7	Total Recoverable	Water	3005A	
180-134768-4	SWC-8	Total Recoverable	Water	3005A	
180-134768-5	SWA-1	Total Recoverable	Water	3005A	
MB 180-391389/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-391389/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 391756

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134768-1	SWC-5	Total Recoverable	Water	EPA 6020B	391389
180-134768-2	SWA-6	Total Recoverable	Water	EPA 6020B	391389
180-134768-3	SWC-7	Total Recoverable	Water	EPA 6020B	391389
180-134768-4	SWC-8	Total Recoverable	Water	EPA 6020B	391389
180-134768-5	SWA-1	Total Recoverable	Water	EPA 6020B	391389
MB 180-391389/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	391389
LCS 180-391389/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	391389

Prep Batch: 391862

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134768-1	SWC-5	Total/NA	Water	7470A	
180-134768-2	SWA-6	Total/NA	Water	7470A	
180-134768-3	SWC-7	Total/NA	Water	7470A	
180-134768-4	SWC-8	Total/NA	Water	7470A	
180-134768-5	SWA-1	Total/NA	Water	7470A	
MB 180-391862/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-391862/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 392076

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134768-1	SWC-5	Total/NA	Water	EPA 7470A	391862
180-134768-2	SWA-6	Total/NA	Water	EPA 7470A	391862
180-134768-3	SWC-7	Total/NA	Water	EPA 7470A	391862
180-134768-4	SWC-8	Total/NA	Water	EPA 7470A	391862
180-134768-5	SWA-1	Total/NA	Water	EPA 7470A	391862
MB 180-391862/1-A	Method Blank	Total/NA	Water	EPA 7470A	391862
LCS 180-391862/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	391862

QC Association Summary

Client: Southern Company
Project/Site: Wansley Landfill Surface Waters

Job ID: 180-134768-1

General Chemistry

Analysis Batch: 391040

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134768-1	SWC-5	Total/NA	Water	SM 2540C	
180-134768-2	SWA-6	Total/NA	Water	SM 2540C	
180-134768-3	SWC-7	Total/NA	Water	SM 2540C	
180-134768-4	SWC-8	Total/NA	Water	SM 2540C	
180-134768-5	SWA-1	Total/NA	Water	SM 2540C	
MB 180-391040/2	Method Blank	Total/NA	Water	SM 2540C	
LCS 180-391040/1	Lab Control Sample	Total/NA	Water	SM 2540C	
180-134768-3 DU	SWC-7	Total/NA	Water	SM 2540C	

Field Service / Mobile Lab

Analysis Batch: 391339

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-134768-1	SWC-5	Total/NA	Water	Field Sampling	
180-134768-2	SWA-6	Total/NA	Water	Field Sampling	
180-134768-3	SWC-7	Total/NA	Water	Field Sampling	
180-134768-4	SWC-8	Total/NA	Water	Field Sampling	
180-134768-5	SWA-1	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

244- ATLANTA

eurofins | Environment Testing America

Client Information	Sampler:	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone:	E-Mail: shali.brown@eurofinset.com		Page:
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 #:			
Email: SCS Contacts	WO #:			
Project Name: CCR - Plant Wansley Landfill - Surface Waters	Project #: 18019922			
Site:	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)	MS/MSD (Yes or No)	APP III and State Permit Metals (EPA 6020 & 7470): As, B, Ba, Be, Ca, Cd, Cr, Co, Cu, Pb, Ni, Sb, Se, Ag, Tl, V, Zn, Hg	Cl, F, SO4 & TDS (EPA 300.0 & SM 2540C)	Dissolved Metals (EPA 6020 & 7470): As, B, Ba, Be, Ca, Cd, Cr, Co, Cu, Pb, Ni, Sb, Se, Ag, Tl, V, Zn, Hg	Total Number of containers	Special Instructions/Note: If Dissolved Metals required, lab to filter.
			Preservation Code:				D	I			
SWC-5	3-4-22	1030	G	Water	N	N	✓	✓		2	pH= ~~5~~ 5.69
SWA-6	3-4-22	1045	G	Water	N	N	✓	✓		2	pH= 6.63
SWC-7	3-4-22	1100	G	Water	N	N	✓	✓		2	pH= 6.95
~~3-4-22~~ SWC-8	3-4-22	1150	G	Water	N	N	✓	✓		2	pH= 6.19
SWA-1	3-4-22	1170	G	Water	N	N	✓	✓		2	pH= 7.00
			G	Water	N	N					pH=
			G	Water	N	N					pH=
			G	Water	N	N					pH=
			G	Water	N	N					pH=
			G	Water	N	N					pH=
			G	Water	N	N					pH=

180-134768 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		3-4-22/1706	ACC		3/4/22 1250	GT
2		3/4/22 1710	EMA			
3						

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

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-134768-1

Login Number: 134768
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

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

APPENDIX A

Laboratory Data Validations
March 2022 Monitoring Event

LEVEL 2A LABORATORY DATA VALIDATIONS

Plant Wansley Landfill

Semiannual Event

March 2022

Georgia Power Company – Plant Wansley Landfill

Quality Control Review of Analytical Data – March 2022

This narrative presents results of the Quality Control (QC) data review performed on analytical data submitted by Eurofins Environment Testing America, Pittsburgh for groundwater and surface water samples collected at Plant Wansley Landfill (LF) between February 28, 2022 and March 10, 2022. The chemical data were reviewed to identify quality issues which could affect the use of the data for decision-making purposes.

Information regarding the primary sample locations, analytical parameters, QC samples, sampling dates, and laboratory sample delivery group (SDG) designations is summarized in Table 1 of this Appendix. A laboratory data quality review and reanalysis of select metals analytes confirmed data reported on SDG 180-134562.

In accordance with groundwater monitoring and corrective action procedures discussed in Title 40 Code of Federal Regulations (CFR), Subpart D – Standards for the Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments, the samples were analyzed for detection monitoring constituents listed in 40 CFR, Part 257, Appendix III and assessment monitoring constituents listed in 40 CFR, Part 257, Appendix IV. Test methods included Inductively Coupled Plasma – Mass Spectrometry (USEPA Method 6020B), Mercury in Liquid Wastes (USEPA Method 7470A), Determination of Inorganic Anions (USEPA Method 300.0), and Solids in Water (Standard Methods 2540C).

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

DATA QUALITY OBJECTIVES

Laboratory Precision: Laboratory goals for precision were met.

Field Precision: Field goals for precision were met, except for fluoride on GWC-15 (180-134886-4) and total dissolved solids (TDS), fluoride, and sulfate on GWC-17 (180-135070-5) as described in the qualifications section below.

Accuracy: Laboratory goals for accuracy were met except for chloride, fluoride, and sulfate from GWC-21 (180-134886-6) as described in the qualifications section below.

Detection Limits: Project goals for detection limits were met.

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

Holding Times: Holding time requirements were met.

QUALIFICATIONS

In general, chemical results for the samples collected at the site were qualified on the basis of low precision or low accuracy or on the basis of professional judgment. The following definitions provide brief explanations of the qualifiers which may have been assigned to data by the laboratory during the validation process:

J: The analyte was positively identified above the method detection limit; however, the associated numerical value is the approximate concentration of the analyte in the sample.

ND: The analyte was not detected above the method detection limit.

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

- Samples GWC-15 (180-134886-4) and DUP-2 (180-134886-14) were qualified as estimated (J) for fluoride as the field relative percent difference (RPD) exceeded QC criteria (20.18% above limit of 20).

- Samples GWC-17 (180-135070-5) and DUP-3 (180-135070-12) were qualified as estimated (J) for TDS, fluoride, and sulfate as the field RPDs exceeded QC criteria (30.46%, 38.30%, and 26.09%, respectively, above limit of 20).

- Sample GWC-21 (180-134886-6) was qualified as estimated (J) for chloride, fluoride, and sulfate as the matrix spike (MS) recoveries were outside QC criteria (113%, 114%, and 114%, respectively, above the range of 90-110).

- Certain boron, zinc, and vanadium results were qualified as non-detect (ND) 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 reporting limit (RL), the new method detection limit (MDL) was raised to the sample result as part of the qualification process; when the original sample result was above the RL, the new RL was raised to the sample result as part of the qualification process.

Atlantic Coast Consulting, Inc. reviewed the laboratory data from the Plant Wansley LF sampled between February 28, 2022 and March 10, 2022 in accordance with the analytical methods, the laboratory-specified QC criteria, and the guidelines. As described above, the results were acceptable for project use.

REFERENCES

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

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

TABLE 1

Georgia Power Company – Plant Wansley Landfill

Sample Summary Table – March 2022

						Analyses		
SDG	Field Identification	Collection Date	Lab Identification	Matrix	QC Samples	Metals (6020, 7470A)	Anions (300.0)	TDS (SM 2540C)
134562	EB-1	3/1/2022	180-134562-1	WQ	EB	X	X	X
134562	GWA-2	3/1/2022	180-134562-2	GW		X	X	X
134562	GWA-29	3/2/2022	180-134562-3	GW		X	X	X
134562	GWC-30	3/2/2022	180-134562-4	GW		X	X	X
134562	GWC-7	3/2/2022	180-134562-5	GW		X	X	X
134562	GWC-35	3/2/2022	180-134562-6	GW		X	X	X
134562	FB-2	3/2/2022	180-134562-7	WQ	FB	X	X	X
134562	GWC-34	3/2/2022	180-134562-8	GW		X	X	X
134562	GWA-1	2/28/2022	180-134562-9	GW		X	X	X
134562	GWA-3	3/1/2022	180-134562-10	GW		X	X	X
134562	GWA-4	3/1/2022	180-134562-11	GW		X	X	X
134562	GWA-28	3/1/2022	180-134562-12	GW		X	X	X
134562	FB-1	3/1/2022	180-134562-13	WQ	FB	X	X	X
134562	GWC-5	3/2/2022	180-134760-1	GW		X	X	X
134562	GWC-6	3/2/2022	180-134760-2	GW		X	X	X
134562	GWC-8	3/2/2022	180-134760-3	GW		X	X	X
134562	DUP-1	3/2/2022	180-134760-4	GW	FD (GWC-6)	X	X	X
134562	GWC-11	3/7/2022	180-134886-1	GW		X	X	X
134562	GWC-12	3/7/2022	180-134886-2	GW		X	X	X
134562	GWC-14	3/7/2022	180-134886-3	GW		X	X	X
134562	GWC-15	3/7/2022	180-134886-4	GW		X	X	X
134562	GWC-20	3/7/2022	180-134886-5	GW		X	X	X
134562	GWC-21	3/7/2022	180-134886-6	GW		X	X	X
134562	EB-2	3/7/2022	180-134886-7	WQ	EB	X	X	X
134562	FB-3	3/8/2022	180-134886-8	WQ	FB	X	X	X
134562	GWC-13	3/8/2022	180-134886-9	GW		X	X	X
134562	GWC-25	3/8/2022	180-134886-10	GW		X	X	X
134562	GWC-18	3/8/2022	180-134886-11	GW		X	X	X

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

TABLE 1 (continued)

Georgia Power Company – Plant Wansley Landfill

Sample Summary Table – March 2022

						Analyses		
SDG	Field Identification	Collection Date	Lab Identification	Matrix	QC Samples	Metals (6020, 7470A)	Anions (300.0)	TDS (SM 2540C)
134562	GWC-10	3/8/2022	180-134886-12	GW		X	X	X
134562	GWC-16	3/8/2022	180-134886-13	GW		X	X	X
134562	Dup-2	3/7/2022	180-134886-14	GW	FD (GWC-15)	X	X	X
134562	GWC-26	3/9/2022	180-135070-1	GW		X	X	X
134562	GWC-32	3/9/2022	180-135070-2	GW		X	X	X
134562	EB-4	3/9/2022	180-135070-3	WQ	EB	X	X	X
134562	GWC-9	3/9/2022	180-135070-4	GW		X	X	X
134562	GWC-17	3/8/2022	180-135070-5	GW		X	X	X
134562	GWC-19	3/8/2022	180-135070-6	GW		X	X	X
134562	GWC-22	3/8/2022	180-135070-7	GW		X	X	X
134562	GWC-23	3/9/2022	180-135070-8	GW		X	X	X
134562	GWC-27	3/8/2022	180-135070-9	GW		X	X	X
134562	GWC-33	3/9/2022	180-135070-10	GW		X	X	X
134562	EB-3	3/9/2022	180-135070-11	WQ	EB	X	X	X
134562	DUP-3	3/8/2022	180-135070-12	GW	FD (GWC-17)	X	X	X
134562	FB-4	3/9/2022	180-135070-13	WQ	FB	X	X	X
134562	GWC-24	3/10/2022	180-135070-14	GW		X	X	X
134562	GWC-31	3/10/2022	180-135070-15	GW		X	X	X
134562	DUP-4	3/10/2022	180-135070-16	GW	FD (GWC-24)	X	X	X
134768	SWC-5	3/4/2022	180-134768-1	SW		X	X	X
134768	SWA-6	3/4/2022	180-134768-2	SW		X	X	X
134768	SWC-7	3/4/2022	180-134768-3	SW		X	X	X
134768	SWC-8	3/4/2022	180-134768-4	SW		X	X	X
134768	SWA-1	3/4/2022	180-134768-5	SW		X	X	X

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

TABLE 2

Georgia Power Company – Plant Wansley Landfill

Qualifier Summary Table – March 2022

SDG	Field Identification	Constituent	New RL	New MDL or MDC	Qualifier	Reason
134562	GWC-15	Fluoride			J	RPD exceeds field goal
134562	DUP-2	Fluoride			J	RPD exceeds field goal
134562	GWC-17	TDS			J	RPD exceeds field goal
134562	DUP-3	TDS			J	RPD exceeds field goal
134562	GWC-17	Fluoride			J	RPD exceeds field goal
134562	DUP-3	Fluoride			J	RPD exceeds field goal
134562	GWC-17	Sulfate			J	RPD exceeds field goal
134562	DUP-3	Sulfate			J	RPD exceeds field goal
134562	GWC-11	Boron		0.067	ND	Blank detection
134562	GWC-12	Boron	0.11		ND	Blank detection
134562	GWC-14	Zinc	0.014		ND	Blank detection
134562	GWC-21	Zinc		0.0029	ND	Blank detection
134562	GWC-19	Vanadium	0.0011		ND	Blank detection
134562	GWC-31	Vanadium	0.0012		ND	Blank detection
134562	GWC-21	Chloride			J	MS outside QC criteria
134562	GWC-21	Fluoride			J	MS outside QC criteria
134562	GWC-21	Sulfate			J	MS outside QC criteria

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

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

APPENDIX A

Field Sampling Reports
March 2022 Monitoring Event

Low-Flow Test Report:

Test Date / Time: 2/28/2022 2:35:13 PM
Project: Plant Wansley Landfill
Operator Name: A Schnittker

Location Name: GWA-1 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 39.79 ft** **Total Depth: 49.79 ft** **Initial Depth to Water: 19.41 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Pump Intake From TOC: 45 ft** **Estimated Total Volume Pumped: 3.8 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 24 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850724**

Test Notes:
Sample time 1515. Sunny 50.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 300	+/- 0.3	
2/28/2022 2:35 PM	00:00	7.38 pH	17.59 °C	97.79 µS/cm	8.04 mg/L	16.10 NTU	165.4 mV	19.41 ft	150.00 ml/min
2/28/2022 2:40 PM	05:00	5.29 pH	16.42 °C	19.49 µS/cm	6.21 mg/L	14.60 NTU	105.5 mV	20.30 ft	100.00 ml/min
2/28/2022 2:45 PM	10:00	5.29 pH	16.09 °C	18.88 µS/cm	6.18 mg/L	13.74 NTU	103.3 mV	20.70 ft	100.00 ml/min
2/28/2022 2:50 PM	15:00	5.28 pH	15.84 °C	18.72 µS/cm	6.14 mg/L	10.35 NTU	102.8 mV	20.90 ft	100.00 ml/min
2/28/2022 2:55 PM	20:00	5.29 pH	15.90 °C	18.52 µS/cm	6.10 mg/L	8.98 NTU	102.2 mV	21.00 ft	100.00 ml/min
2/28/2022 3:00 PM	25:00	5.28 pH	15.84 °C	18.36 µS/cm	6.18 mg/L	6.78 NTU	102.0 mV	21.20 ft	100.00 ml/min
2/28/2022 3:05 PM	30:00	5.29 pH	15.88 °C	18.31 µS/cm	6.28 mg/L	5.11 NTU	101.8 mV	21.30 ft	100.00 ml/min
2/28/2022 3:10 PM	35:00	5.29 pH	15.97 °C	18.20 µS/cm	6.21 mg/L	4.87 NTU	101.5 mV	21.40 ft	100.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/1/2022 2:09:19 PM
Project: Plant Wansley Landfill
Operator Name: Hunter Auld

Location Name: GWA-2 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 50.09 ft** **Total Depth: 60.09 ft** **Initial Depth to Water: 43.52 ft**	**Pump Type: Bladder Pump** **Tubing Type: Poly** **Pump Intake From TOC: 55 ft** **Estimated Total Volume Pumped: 4.8 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 1 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728634**

Test Notes:
Sampled at 1435 on 3-1-22. Sunny, 60s. EB-1 here at 1425 (gloves).

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	
3/1/2022 2:09 PM	00:00	5.92 pH	19.44 °C	56.69 µS/cm	6.80 mg/L	2.00 NTU	63.3 mV	43.52 ft	120.00 ml/min
3/1/2022 2:14 PM	05:00	5.73 pH	17.20 °C	52.65 µS/cm	7.22 mg/L	1.60 NTU	44.6 mV	43.60 ft	120.00 ml/min
3/1/2022 2:19 PM	10:00	5.66 pH	17.00 °C	52.02 µS/cm	7.23 mg/L	1.90 NTU	51.6 mV	43.60 ft	120.00 ml/min
3/1/2022 2:24 PM	15:00	5.68 pH	16.91 °C	51.81 µS/cm	7.22 mg/L	1.30 NTU	44.6 mV	43.60 ft	120.00 ml/min
3/1/2022 2:29 PM	20:00	5.60 pH	16.90 °C	51.76 µS/cm	7.25 mg/L	1.60 NTU	48.2 mV	43.60 ft	120.00 ml/min
3/1/2022 2:34 PM	25:00	5.65 pH	16.86 °C	51.71 µS/cm	7.24 mg/L	1.50 NTU	46.1 mV	43.60 ft	120.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/1/2022 10:40:06 AM
Project: Plant Wansley Landfill
Operator Name: A Schnittker

Location Name: GWA-3 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 21.37 ft** **Total Depth: 31.37 ft** **Initial Depth to Water: 23.14 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Pump Intake From TOC: 27 ft** **Estimated Total Volume Pumped: 7.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 25 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850724**

Test Notes:
Sample time 1135. Sunny 50s.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 300	+/- 0.3	
3/1/2022 10:40 AM	00:00	5.55 pH	15.57 °C	220.83 µS/cm	2.02 mg/L	1.79 NTU	145.1 mV	23.14 ft	150.00 ml/min
3/1/2022 10:45 AM	05:00	5.52 pH	15.88 °C	213.48 µS/cm	1.79 mg/L	1.96 NTU	123.1 mV	24.90 ft	150.00 ml/min
3/1/2022 10:50 AM	10:00	5.53 pH	15.97 °C	215.05 µS/cm	2.16 mg/L	2.19 NTU	143.3 mV	24.90 ft	150.00 ml/min
3/1/2022 10:55 AM	15:00	5.58 pH	16.27 °C	222.72 µS/cm	3.20 mg/L	1.83 NTU	139.7 mV	25.00 ft	150.00 ml/min
3/1/2022 11:00 AM	20:00	5.60 pH	16.11 °C	226.00 µS/cm	3.10 mg/L	1.46 NTU	136.3 mV	25.10 ft	150.00 ml/min
3/1/2022 11:05 AM	25:00	5.58 pH	16.11 °C	225.93 µS/cm	2.64 mg/L	1.64 NTU	133.4 mV	25.10 ft	150.00 ml/min
3/1/2022 11:10 AM	30:00	5.59 pH	16.15 °C	225.42 µS/cm	2.28 mg/L	1.80 NTU	130.6 mV	25.20 ft	150.00 ml/min
3/1/2022 11:15 AM	35:00	5.66 pH	16.12 °C	224.64 µS/cm	1.85 mg/L	0.86 NTU	127.4 mV	25.20 ft	150.00 ml/min
3/1/2022 11:20 AM	40:00	5.70 pH	16.16 °C	223.58 µS/cm	1.66 mg/L	1.04 NTU	108.3 mV	25.20 ft	150.00 ml/min
3/1/2022 11:25 AM	45:00	5.69 pH	16.12 °C	221.45 µS/cm	1.60 mg/L	1.38 NTU	106.0 mV	25.20 ft	150.00 ml/min
3/1/2022 11:30 AM	50:00	5.70 pH	16.21 °C	220.87 µS/cm	1.73 mg/L	1.45 NTU	118.3 mV	25.20 ft	150.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/1/2022 11:55:38 AM
Project: Plant Wansley Landfill
Operator Name: A Schnittker

Location Name: GWA-4 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 30.53 ft** **Total Depth: 40.53 ft** **Initial Depth to Water: 21.64 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Pump Intake From TOC: 35 ft** **Estimated Total Volume Pumped: 12.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 3 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850724**

Test Notes:
Sample time 1250. Sunny 50s. FB-1 poured here at 1235.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 300	+/- 0.3	
3/1/2022 11:55 AM	00:00	6.17 pH	17.23 °C	170.31 µS/cm	5.11 mg/L	2.41 NTU	114.5 mV	21.64 ft	200.00 ml/min
3/1/2022 12:00 PM	05:00	6.21 pH	16.19 °C	174.67 µS/cm	0.92 mg/L	2.37 NTU	106.4 mV	21.90 ft	200.00 ml/min
3/1/2022 12:05 PM	10:00	6.22 pH	16.11 °C	174.64 µS/cm	0.64 mg/L	2.15 NTU	98.4 mV	21.90 ft	200.00 ml/min
3/1/2022 12:10 PM	15:00	6.24 pH	16.09 °C	176.12 µS/cm	0.93 mg/L	1.85 NTU	93.8 mV	21.90 ft	200.00 ml/min
3/1/2022 12:15 PM	20:00	6.24 pH	16.22 °C	175.98 µS/cm	0.85 mg/L	1.48 NTU	88.2 mV	21.90 ft	200.00 ml/min
3/1/2022 12:20 PM	25:00	6.24 pH	16.34 °C	184.46 µS/cm	0.85 mg/L	1.24 NTU	80.9 mV	21.90 ft	200.00 ml/min
3/1/2022 12:25 PM	30:00	6.26 pH	16.38 °C	199.14 µS/cm	0.88 mg/L	1.03 NTU	67.3 mV	21.90 ft	200.00 ml/min
3/1/2022 12:30 PM	35:00	6.29 pH	16.42 °C	187.71 µS/cm	0.88 mg/L	0.42 NTU	55.0 mV	21.90 ft	200.00 ml/min
3/1/2022 12:35 PM	40:00	6.30 pH	16.33 °C	205.04 µS/cm	0.89 mg/L	0.57 NTU	50.5 mV	21.90 ft	200.00 ml/min
3/1/2022 12:40 PM	45:00	6.30 pH	16.38 °C	200.41 µS/cm	0.96 mg/L	0.43 NTU	46.1 mV	21.90 ft	200.00 ml/min
3/1/2022 12:45 PM	50:00	6.29 pH	16.38 °C	197.36 µS/cm	0.95 mg/L	0.31 NTU	44.1 mV	21.90 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/2/2022 11:45:38 AM
Project: Plant Wansley Landfill
Operator Name: A Schnittker

Location Name: GWC-5 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 30.83 ft** **Total Depth: 40.83 ft** **Initial Depth to Water: 15.00 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Pump Intake From TOC: 35 ft** **Estimated Total Volume Pumped: 14 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 35 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850724**

Test Notes:
Sample time 1250. Sunny 60.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 300	+/- 0.3	
3/2/2022 11:45 AM	00:00	6.66 pH	19.86 °C	260.60 µS/cm	1.54 mg/L	9.32 NTU	60.2 mV	15.00 ft	200.00 ml/min
3/2/2022 11:50 AM	05:00	6.76 pH	19.79 °C	255.01 µS/cm	4.40 mg/L	8.58 NTU	53.0 mV	16.10 ft	200.00 ml/min
3/2/2022 11:55 AM	10:00	6.67 pH	19.85 °C	252.29 µS/cm	3.71 mg/L	6.14 NTU	50.8 mV	17.40 ft	200.00 ml/min
3/2/2022 12:00 PM	15:00	6.64 pH	19.95 °C	254.97 µS/cm	2.63 mg/L	4.75 NTU	42.1 mV	17.50 ft	200.00 ml/min
3/2/2022 12:05 PM	20:00	6.48 pH	20.05 °C	250.25 µS/cm	2.18 mg/L	3.21 NTU	44.9 mV	17.60 ft	200.00 ml/min
3/2/2022 12:10 PM	25:00	6.49 pH	20.14 °C	249.66 µS/cm	2.15 mg/L	1.50 NTU	45.6 mV	17.60 ft	200.00 ml/min
3/2/2022 12:15 PM	30:00	6.40 pH	20.10 °C	247.65 µS/cm	1.80 mg/L	1.63 NTU	46.0 mV	17.70 ft	200.00 ml/min
3/2/2022 12:20 PM	35:00	6.39 pH	20.12 °C	247.47 µS/cm	1.47 mg/L	1.81 NTU	45.7 mV	17.90 ft	200.00 ml/min
3/2/2022 12:25 PM	40:00	6.35 pH	20.13 °C	245.69 µS/cm	1.24 mg/L	1.08 NTU	43.0 mV	17.90 ft	200.00 ml/min
3/2/2022 12:30 PM	45:00	6.30 pH	20.32 °C	241.87 µS/cm	1.06 mg/L	1.71 NTU	44.6 mV	17.90 ft	200.00 ml/min
3/2/2022 12:35 PM	50:00	6.34 pH	20.35 °C	244.25 µS/cm	1.03 mg/L	1.48 NTU	45.0 mV	17.90 ft	200.00 ml/min
3/2/2022 12:40 PM	55:00	6.32 pH	20.39 °C	242.80 µS/cm	1.20 mg/L	1.10 NTU	45.3 mV	17.90 ft	200.00 ml/min
3/2/2022 12:45 PM	01:00:00	6.31 pH	20.47 °C	242.01 µS/cm	1.14 mg/L	0.99 NTU	45.0 mV	17.90 ft	200.00 ml/min

Samples

Low-Flow Test Report:

Test Date / Time: 3/2/2022 1:25:10 PM
Project: Plant Wansley Landfill
Operator Name: A. Schnittker

Location Name: GWC-6 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 21.12 ft** **Total Depth: 31.12 ft** **Initial Depth to Water: 16.87 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Pump Intake From TOC: 25 ft** **Estimated Total Volume Pumped: 8 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 4 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850724**

Test Notes:
Sample time 1410. Sunny 70. Dup-1 here.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1	+/- 5 %	+/- 10 %	+/- 10	+/- 20	+/- 0.5	
3/2/2022 1:25 PM	00:00	5.85 pH	20.61 °C	123.46 µS/cm	1.62 mg/L	3.38 NTU	321.9 mV	16.87 ft	200.00 ml/min
3/2/2022 1:30 PM	05:00	5.85 pH	20.30 °C	132.47 µS/cm	1.28 mg/L	3.01 NTU	209.5 mV	17.20 ft	200.00 ml/min
3/2/2022 1:35 PM	10:00	5.85 pH	20.12 °C	140.05 µS/cm	1.05 mg/L	2.84 NTU	196.6 mV	17.20 ft	200.00 ml/min
3/2/2022 1:40 PM	15:00	5.87 pH	20.34 °C	150.10 µS/cm	0.90 mg/L	2.67 NTU	150.4 mV	17.20 ft	200.00 ml/min
3/2/2022 1:45 PM	20:00	5.87 pH	20.20 °C	152.93 µS/cm	0.78 mg/L	1.98 NTU	167.7 mV	17.20 ft	200.00 ml/min
3/2/2022 1:50 PM	25:00	5.88 pH	20.21 °C	159.82 µS/cm	0.70 mg/L	1.61 NTU	153.8 mV	17.20 ft	200.00 ml/min
3/2/2022 1:55 PM	30:00	5.88 pH	20.30 °C	159.74 µS/cm	0.67 mg/L	1.59 NTU	127.4 mV	17.20 ft	200.00 ml/min
3/2/2022 2:00 PM	35:00	5.89 pH	20.27 °C	163.72 µS/cm	0.61 mg/L	1.54 NTU	139.7 mV	17.20 ft	200.00 ml/min
3/2/2022 2:05 PM	40:00	5.89 pH	20.52 °C	161.79 µS/cm	0.62 mg/L	1.78 NTU	120.2 mV	17.20 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/2/2022 10:15:52 AM
Project: Plant Wansley Landfill
Operator Name: A Schnittker

Location Name: GWC-7 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 16.02 ft** **Total Depth: 26.02 ft** **Initial Depth to Water: 7.89 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Pump Intake From TOC: 20 ft** **Estimated Total Volume Pumped: 5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 37 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850724**

Test Notes:
Sample time 1050. Sunny 60.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 300	+/- 0.3	
3/2/2022 10:15 AM	00:00	6.38 pH	20.70 °C	483.18 µS/cm	1.49 mg/L	3.01 NTU	162.7 mV	7.89 ft	100.00 ml/min
3/2/2022 10:20 AM	05:00	6.38 pH	18.69 °C	523.85 µS/cm	0.94 mg/L	2.81 NTU	217.8 mV	9.00 ft	100.00 ml/min
3/2/2022 10:25 AM	10:00	6.39 pH	18.56 °C	525.04 µS/cm	0.80 mg/L	2.23 NTU	382.3 mV	10.40 ft	100.00 ml/min
3/2/2022 10:30 AM	15:00	6.39 pH	18.47 °C	525.91 µS/cm	0.76 mg/L	1.98 NTU	314.2 mV	10.90 ft	100.00 ml/min
3/2/2022 10:35 AM	20:00	6.39 pH	18.57 °C	524.68 µS/cm	0.80 mg/L	1.47 NTU	452.9 mV	10.90 ft	100.00 ml/min
3/2/2022 10:40 AM	25:00	6.40 pH	18.58 °C	525.69 µS/cm	0.75 mg/L	1.23 NTU	348.0 mV	11.00 ft	100.00 ml/min
3/2/2022 10:45 AM	30:00	6.40 pH	18.65 °C	526.29 µS/cm	0.75 mg/L	0.39 NTU	349.4 mV	11.00 ft	100.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/2/2022 3:00:12 PM
Project: Plant Wansley Landfill
Operator Name: A. Schnittker

Location Name: GWC-8 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 10.11 ft** **Total Depth: 20.11 ft** **Initial Depth to Water: 8.73 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Pump Intake From TOC: 15 ft** **Estimated Total Volume Pumped: 14 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 3 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850724**

Test Notes:
Sample time 1600. Sunny 70.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1	+/- 5 %	+/- 10 %	+/- 10	+/- 20	+/- 0.5	
3/2/2022 3:00 PM	00:00	6.27 pH	19.21 °C	222.41 µS/cm	3.19 mg/L	1.92 NTU	127.5 mV	8.73 ft	200.00 ml/min
3/2/2022 3:05 PM	05:00	6.27 pH	18.43 °C	222.25 µS/cm	3.13 mg/L	1.85 NTU	115.8 mV	9.00 ft	200.00 ml/min
3/2/2022 3:10 PM	10:00	6.20 pH	17.89 °C	213.25 µS/cm	2.76 mg/L	1.73 NTU	109.2 mV	9.00 ft	200.00 ml/min
3/2/2022 3:15 PM	15:00	6.12 pH	17.90 °C	204.76 µS/cm	2.21 mg/L	1.36 NTU	107.8 mV	9.00 ft	200.00 ml/min
3/2/2022 3:20 PM	20:00	6.04 pH	18.25 °C	197.52 µS/cm	1.76 mg/L	1.14 NTU	107.1 mV	9.00 ft	200.00 ml/min
3/2/2022 3:25 PM	25:00	5.99 pH	18.28 °C	198.44 µS/cm	1.41 mg/L	1.06 NTU	105.2 mV	9.00 ft	200.00 ml/min
3/2/2022 3:30 PM	30:00	5.98 pH	18.20 °C	200.40 µS/cm	1.25 mg/L	1.03 NTU	104.4 mV	9.00 ft	200.00 ml/min
3/2/2022 3:35 PM	35:00	5.95 pH	18.21 °C	202.19 µS/cm	1.12 mg/L	1.00 NTU	124.3 mV	9.00 ft	200.00 ml/min
3/2/2022 3:40 PM	40:00	5.93 pH	18.09 °C	203.75 µS/cm	0.93 mg/L	0.97 NTU	104.5 mV	9.00 ft	200.00 ml/min
3/2/2022 3:45 PM	45:00	5.92 pH	18.13 °C	205.27 µS/cm	0.79 mg/L	0.95 NTU	123.6 mV	9.00 ft	200.00 ml/min
3/2/2022 3:50 PM	50:00	5.89 pH	18.43 °C	207.28 µS/cm	0.51 mg/L	1.17 NTU	128.1 mV	9.00 ft	200.00 ml/min
3/2/2022 3:55 PM	55:00	5.89 pH	18.13 °C	207.02 µS/cm	0.49 mg/L	1.37 NTU	128.4 mV	9.00 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/9/2022 1:10:40 PM
Project: Plant Wansley Landfill
Operator Name: A Schnittker

Location Name: GWC-9 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 9.4 ft** **Total Depth: 19.44 ft** **Initial Depth to Water: 6.3 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Pump Intake From TOC: 15 ft** **Estimated Total Volume Pumped: 11 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 160 ml/min** **Final Draw Down: 0.2 ft**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850724**

Test Notes:
Sample time 1415. Cloudy 50s.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 300	+/- 0.3	
3/9/2022 1:10 PM	00:00	5.56 pH	15.93 °C	90.23 µS/cm	2.74 mg/L	431.00 NTU	95.6 mV	6.30 ft	100.00 ml/min
3/9/2022 1:15 PM	05:00	5.54 pH	15.79 °C	90.25 µS/cm	0.51 mg/L	478.00 NTU	94.6 mV	6.50 ft	100.00 ml/min
3/9/2022 1:20 PM	10:00	5.53 pH	15.75 °C	90.50 µS/cm	0.27 mg/L	100.00 NTU	93.4 mV	6.50 ft	160.00 ml/min
3/9/2022 1:25 PM	15:00	5.53 pH	15.85 °C	91.50 µS/cm	0.16 mg/L	22.80 NTU	81.6 mV	6.50 ft	160.00 ml/min
3/9/2022 1:30 PM	20:00	5.55 pH	16.20 °C	92.37 µS/cm	0.15 mg/L	20.50 NTU	76.9 mV	6.50 ft	160.00 ml/min
3/9/2022 1:35 PM	25:00	5.55 pH	16.08 °C	93.42 µS/cm	0.13 mg/L	16.90 NTU	74.9 mV	6.50 ft	160.00 ml/min
3/9/2022 1:40 PM	30:00	5.55 pH	16.02 °C	94.19 µS/cm	0.11 mg/L	14.40 NTU	73.1 mV	6.50 ft	160.00 ml/min
3/9/2022 1:45 PM	35:00	5.56 pH	15.93 °C	95.12 µS/cm	0.09 mg/L	11.30 NTU	70.1 mV	6.50 ft	160.00 ml/min
3/9/2022 1:50 PM	40:00	5.56 pH	15.94 °C	96.26 µS/cm	0.07 mg/L	9.65 NTU	68.2 mV	6.50 ft	160.00 ml/min
3/9/2022 1:55 PM	45:00	5.54 pH	15.93 °C	95.35 µS/cm	0.06 mg/L	7.26 NTU	69.6 mV	6.50 ft	160.00 ml/min
3/9/2022 2:00 PM	50:00	5.54 pH	15.84 °C	95.11 µS/cm	0.05 mg/L	6.73 NTU	74.0 mV	6.50 ft	160.00 ml/min
3/9/2022 2:05 PM	55:00	5.54 pH	15.93 °C	94.77 µS/cm	0.05 mg/L	5.71 NTU	74.6 mV	6.50 ft	160.00 ml/min
3/9/2022 2:10 PM	01:00:00	5.53 pH	15.84 °C	95.51 µS/cm	0.04 mg/L	4.21 NTU	75.2 mV	6.50 ft	160.00 ml/min

Samples

Low-Flow Test Report:

Test Date / Time: 3/7/2022 12:45:14 PM
Project: Plant Wansley Landfill
Operator Name: A Schnittker

Location Name: GWC-10 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 11.97 ft** **Total Depth: 21.97 ft** **Initial Depth to Water: 11.66 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Pump Intake From TOC: 19 ft** **Estimated Total Volume Pumped: 13.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 300 ml/min** **Final Draw Down: 123 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850724**

Test Notes:
Log 1. Well purged dry. Not sampled.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 300	+/- 0.3	
3/7/2022 12:45 PM	00:00	6.37 pH	18.03 °C	147.32 µS/cm	3.03 mg/L	3.10 NTU	331.1 mV	11.66 ft	300.00 ml/min
3/7/2022 12:50 PM	05:00	6.38 pH	17.49 °C	148.02 µS/cm	3.00 mg/L	4.35 NTU	375.4 mV	13.80 ft	300.00 ml/min
3/7/2022 12:55 PM	10:00	6.34 pH	17.41 °C	148.52 µS/cm	2.77 mg/L	3.98 NTU	268.3 mV	15.70 ft	300.00 ml/min
3/7/2022 1:00 PM	15:00	6.17 pH	17.30 °C	144.60 µS/cm	2.20 mg/L	5.11 NTU	153.5 mV	16.20 ft	300.00 ml/min
3/7/2022 1:05 PM	20:00	6.13 pH	17.14 °C	146.40 µS/cm	2.16 mg/L	7.21 NTU	110.0 mV	17.40 ft	300.00 ml/min
3/7/2022 1:10 PM	25:00	6.20 pH	17.18 °C	147.61 µS/cm	1.69 mg/L	8.02 NTU	127.6 mV	18.30 ft	300.00 ml/min
3/7/2022 1:15 PM	30:00	6.25 pH	17.25 °C	149.03 µS/cm	1.87 mg/L	8.05 NTU	129.4 mV	18.90 ft	300.00 ml/min
3/7/2022 1:20 PM	35:00	6.29 pH	17.32 °C	151.68 µS/cm	1.94 mg/L	18.00 NTU	134.3 mV	18.90 ft	300.00 ml/min
3/7/2022 1:25 PM	40:00	6.47 pH	17.49 °C	153.80 µS/cm	1.39 mg/L	23.00 NTU	149.8 mV	21.10 ft	300.00 ml/min
3/7/2022 1:30 PM	45:00	6.68 pH	17.62 °C	156.10 µS/cm	0.88 mg/L	55.30 NTU	80.8 mV	21.90 ft	300.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/8/2022 10:40:04 AM
Project: Plant Wansley Landfill
Operator Name: A Schnittker

Location Name: GWC-10 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 11.97 ft** **Total Depth: 21.97 ft** **Initial Depth to Water: 11.66 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Pump Intake From TOC: 19 ft** **Estimated Total Volume Pumped: 15.0 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 17 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850724**

Test Notes:
Well purged dry 3/7/2022. Sample on 3/8/2022 at 1100. Cloudy 60s.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 300	+/- 0.3	
3/8/2022 10:40 AM	00:00	6.23 pH	12.58 °C	187.30 µS/cm	7.27 mg/L	11.70 NTU	145.9 mV	11.66 ft	100.00 ml/min
3/8/2022 10:45 AM	05:00	5.91 pH	14.78 °C	139.37 µS/cm	5.16 mg/L	8.05 NTU	97.4 mV	12.80 ft	100.00 ml/min
3/8/2022 10:50 AM	10:00	5.91 pH	15.12 °C	136.98 µS/cm	4.97 mg/L	7.40 NTU	95.8 mV	13.00 ft	100.00 ml/min
3/8/2022 10:55 AM	15:00	5.90 pH	14.82 °C	136.60 µS/cm	5.06 mg/L	7.02 NTU	98.7 mV	13.10 ft	100.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/7/2022 2:46:25 PM
Project: Plant Wansley Landfill
Operator Name: Hunter Auld

Location Name: GWC-11 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 8.16 ft** **Total Depth: 18.16 ft** **Initial Depth to Water: 6.24 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Pump Intake From TOC: 13.2 ft** **Estimated Total Volume Pumped: 6.6 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 0.7 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728634**

Test Notes:
Sampled at 1518 on 3-7-22. Partly sunny, 60s.

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	
3/7/2022 2:46 PM	00:00	6.02 pH	21.14 °C	193.72 µS/cm	2.10 mg/L	5.00 NTU	26.1 mV	6.24 ft	200.00 ml/min
3/7/2022 2:51 PM	05:00	6.05 pH	19.18 °C	199.32 µS/cm	0.26 mg/L	7.50 NTU	15.4 mV	6.30 ft	200.00 ml/min
3/7/2022 2:56 PM	10:00	6.06 pH	18.83 °C	204.11 µS/cm	0.18 mg/L	7.20 NTU	12.8 mV	6.30 ft	200.00 ml/min
3/7/2022 3:01 PM	15:00	6.08 pH	18.41 °C	211.96 µS/cm	0.14 mg/L	7.80 NTU	11.0 mV	6.30 ft	200.00 ml/min
3/7/2022 3:06 PM	20:00	6.08 pH	18.44 °C	212.50 µS/cm	0.12 mg/L	4.99 NTU	10.5 mV	6.30 ft	200.00 ml/min
3/7/2022 3:11 PM	25:00	6.09 pH	18.64 °C	219.32 µS/cm	0.10 mg/L	5.90 NTU	6.2 mV	6.30 ft	200.00 ml/min
3/7/2022 3:16 PM	30:00	6.10 pH	18.73 °C	220.38 µS/cm	0.08 mg/L	4.40 NTU	8.5 mV	6.30 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/7/2022 2:45:10 PM
Project: Plant Wansley Landfill
Operator Name: A Schnittker

Location Name: GWC-12 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 30.54 ft** **Total Depth: 40.54 ft** **Initial Depth to Water: 27.15 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Pump Intake From TOC: 35 ft** **Estimated Total Volume Pumped: 4 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 31 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850724**

Test Notes:
Sample time 1525. Cloudy 60s.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 300	+/- 0.3	
3/7/2022 2:45 PM	00:00	7.11 pH	20.05 °C	281.85 µS/cm	0.55 mg/L	10.80 NTU	-59.5 mV	27.15 ft	100.00 ml/min
3/7/2022 2:50 PM	05:00	7.20 pH	20.05 °C	282.57 µS/cm	0.32 mg/L	7.24 NTU	-90.3 mV	28.50 ft	100.00 ml/min
3/7/2022 2:55 PM	10:00	7.23 pH	20.07 °C	282.13 µS/cm	0.26 mg/L	4.64 NTU	-102.4 mV	29.00 ft	100.00 ml/min
3/7/2022 3:00 PM	15:00	7.25 pH	19.89 °C	284.27 µS/cm	0.23 mg/L	5.60 NTU	-107.8 mV	29.20 ft	100.00 ml/min
3/7/2022 3:05 PM	20:00	7.27 pH	19.94 °C	284.53 µS/cm	0.21 mg/L	6.30 NTU	-111.1 mV	29.40 ft	100.00 ml/min
3/7/2022 3:10 PM	25:00	7.28 pH	20.44 °C	284.91 µS/cm	0.19 mg/L	7.16 NTU	-114.4 mV	29.50 ft	100.00 ml/min
3/7/2022 3:15 PM	30:00	7.30 pH	21.00 °C	283.98 µS/cm	0.19 mg/L	5.92 NTU	-117.3 mV	29.60 ft	100.00 ml/min
3/7/2022 3:20 PM	35:00	7.32 pH	20.57 °C	281.53 µS/cm	0.20 mg/L	4.87 NTU	-115.2 mV	29.70 ft	100.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/8/2022 11:04:15 AM
Project: Plant Wansley Landfill
Operator Name: Hunter Auld

Location Name: GWC-13 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 80.4 ft** **Total Depth: 90.46 ft** **Initial Depth to Water: 5.96 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Pump Intake From TOC: 85 ft** **Estimated Total Volume Pumped: 6.1 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 225 ml/min** **Final Draw Down: 0.5 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728634**

Test Notes:
Sampled at 1130 on 3-8-22. Cloudy, 50s. FB-3 here at 1110.

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	
3/8/2022 11:04 AM	00:00	7.97 pH	10.67 °C	48.92 µS/cm	11.00 mg/L	5.00 NTU	196.8 mV	5.96 ft	225.00 ml/min
3/8/2022 11:09 AM	05:00	7.34 pH	13.86 °C	85.14 µS/cm	3.50 mg/L	1.70 NTU	34.7 mV	6.00 ft	225.00 ml/min
3/8/2022 11:14 AM	10:00	7.08 pH	15.03 °C	62.14 µS/cm	2.99 mg/L	1.50 NTU	28.6 mV	6.00 ft	225.00 ml/min
3/8/2022 11:19 AM	15:00	7.00 pH	15.73 °C	59.50 µS/cm	2.81 mg/L	0.60 NTU	32.2 mV	6.00 ft	225.00 ml/min
3/8/2022 11:24 AM	20:00	6.97 pH	15.82 °C	61.43 µS/cm	2.78 mg/L	0.40 NTU	30.8 mV	6.00 ft	225.00 ml/min
3/8/2022 11:29 AM	25:00	6.93 pH	15.92 °C	60.48 µS/cm	2.75 mg/L	0.70 NTU	30.7 mV	6.00 ft	225.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/7/2022 12:19:50 PM
Project: Plant Wansley Landfill
Operator Name: Hunter Auld

Location Name: GWC-14 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 14.34 ft** **Total Depth: 24.34 ft** **Initial Depth to Water: 9.82 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Pump Intake From TOC: 19.5 ft** **Estimated Total Volume Pumped: 12.4 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 1 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728634**

Test Notes:
Sampled at 1320 on 3-7-22. Rain, 60s.

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	
3/7/2022 12:19 PM	00:00	5.84 pH	21.92 °C	571.93 µS/cm	5.21 mg/L	10.00 NTU	74.6 mV	9.82 ft	200.00 ml/min
3/7/2022 12:24 PM	05:00	5.58 pH	17.98 °C	494.39 µS/cm	0.27 mg/L	50.00 NTU	50.8 mV	9.90 ft	200.00 ml/min
3/7/2022 12:29 PM	10:00	5.56 pH	17.75 °C	496.37 µS/cm	0.18 mg/L	53.00 NTU	47.0 mV	9.90 ft	200.00 ml/min
3/7/2022 12:34 PM	15:00	5.56 pH	17.68 °C	499.01 µS/cm	0.16 mg/L	28.00 NTU	46.6 mV	9.90 ft	200.00 ml/min
3/7/2022 12:39 PM	20:00	5.55 pH	17.50 °C	502.56 µS/cm	0.13 mg/L	23.00 NTU	45.7 mV	9.90 ft	200.00 ml/min
3/7/2022 12:44 PM	25:00	5.54 pH	17.35 °C	511.11 µS/cm	0.12 mg/L	17.00 NTU	44.3 mV	9.90 ft	200.00 ml/min
3/7/2022 12:49 PM	30:00	5.54 pH	17.28 °C	515.41 µS/cm	0.11 mg/L	9.80 NTU	43.4 mV	9.90 ft	200.00 ml/min
3/7/2022 12:54 PM	35:00	5.53 pH	17.30 °C	518.18 µS/cm	0.10 mg/L	8.90 NTU	42.9 mV	9.90 ft	200.00 ml/min
3/7/2022 12:59 PM	40:00	5.53 pH	17.22 °C	518.44 µS/cm	0.09 mg/L	8.30 NTU	42.4 mV	9.90 ft	200.00 ml/min
3/7/2022 1:04 PM	45:00	5.52 pH	17.17 °C	522.68 µS/cm	0.09 mg/L	9.80 NTU	42.1 mV	9.90 ft	200.00 ml/min
3/7/2022 1:09 PM	50:00	5.51 pH	17.11 °C	526.17 µS/cm	0.09 mg/L	7.00 NTU	42.0 mV	9.90 ft	200.00 ml/min
3/7/2022 1:14 PM	55:00	5.51 pH	17.09 °C	528.21 µS/cm	0.08 mg/L	6.20 NTU	41.2 mV	9.90 ft	200.00 ml/min
3/7/2022 1:19 PM	01:00:00	5.50 pH	17.06 °C	530.79 µS/cm	0.08 mg/L	4.80 NTU	41.2 mV	9.90 ft	200.00 ml/min

Samples

Low-Flow Test Report:

Test Date / Time: 3/7/2022 1:47:54 PM
Project: Plant Wansley Landfill
Operator Name: Hunter Auld

Location Name: GWC-15 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 41.06 ft** **Total Depth: 51.06 ft** **Initial Depth to Water: 6.25 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Pump Intake From TOC: 46 ft** **Estimated Total Volume Pumped: 6.6 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 1.8 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728634**

Test Notes:
Sampled at 1418 on 3-7-22. Rainy, 60s. Dup-2 here.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 10	+/- 100	+/- 0.3	
3/7/2022 1:47 PM	00:00	6.50 pH	18.69 °C	132.03 µS/cm	5.06 mg/L	2.00 NTU	37.7 mV	6.25 ft	200.00 ml/min
3/7/2022 1:52 PM	05:00	6.49 pH	17.44 °C	132.83 µS/cm	3.56 mg/L	0.90 NTU	34.9 mV	6.30 ft	200.00 ml/min
3/7/2022 1:56 PM	08:53	6.50 pH	17.35 °C	133.35 µS/cm	3.53 mg/L	0.90 NTU	34.4 mV	6.30 ft	200.00 ml/min
3/7/2022 2:01 PM	13:53	6.50 pH	17.52 °C	134.41 µS/cm	3.51 mg/L	0.40 NTU	33.5 mV	6.30 ft	200.00 ml/min
3/7/2022 2:06 PM	18:53	6.49 pH	17.48 °C	134.12 µS/cm	3.50 mg/L	0.40 NTU	34.3 mV	6.30 ft	200.00 ml/min
3/7/2022 2:11 PM	23:53	6.50 pH	17.57 °C	133.97 µS/cm	3.49 mg/L	0.40 NTU	34.3 mV	6.40 ft	200.00 ml/min
3/7/2022 2:16 PM	28:53	6.50 pH	17.49 °C	132.41 µS/cm	3.50 mg/L	0.40 NTU	34.9 mV	6.40 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/8/2022 11:35:17 AM
Project: Plant Wansley Landfill
Operator Name: A Schnittker

Location Name: GWC-16 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 16.89 ft** **Total Depth: 26.89 ft** **Initial Depth to Water: 10.05 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Pump Intake From TOC: 21 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 2 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850724**

Test Notes:
Sample time 1215. Cloudy 50s.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 300	+/- 0.3	
3/8/2022 11:35 AM	00:00	6.36 pH	14.47 °C	99.99 µS/cm	4.57 mg/L	1.02 NTU	80.7 mV	10.05 ft	200.00 ml/min
3/8/2022 11:40 AM	05:00	6.33 pH	16.32 °C	95.45 µS/cm	3.47 mg/L	0.96 NTU	81.8 mV	10.20 ft	200.00 ml/min
3/8/2022 11:45 AM	10:00	6.18 pH	16.57 °C	82.31 µS/cm	3.22 mg/L	0.82 NTU	87.8 mV	10.20 ft	200.00 ml/min
3/8/2022 11:50 AM	15:00	6.06 pH	16.57 °C	75.28 µS/cm	3.06 mg/L	0.68 NTU	92.6 mV	10.20 ft	200.00 ml/min
3/8/2022 11:55 AM	20:00	6.06 pH	16.60 °C	77.76 µS/cm	3.04 mg/L	0.61 NTU	93.0 mV	10.20 ft	200.00 ml/min
3/8/2022 12:00 PM	25:00	6.04 pH	16.74 °C	74.82 µS/cm	3.02 mg/L	0.52 NTU	94.6 mV	10.20 ft	200.00 ml/min
3/8/2022 12:05 PM	30:00	6.03 pH	16.66 °C	73.37 µS/cm	2.98 mg/L	0.57 NTU	95.4 mV	10.20 ft	200.00 ml/min
3/8/2022 12:10 PM	35:00	6.03 pH	16.68 °C	73.66 µS/cm	2.98 mg/L	0.64 NTU	96.0 mV	10.20 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/8/2022 1:20:10 PM
Project: Plant Wansley Landfill
Operator Name: A. Schnittker

Location Name: GWC-17 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 43.2 ft** **Total Depth: 53.20 ft** **Initial Depth to Water: 19.69 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Pump Intake From TOC: 48 ft** **Estimated Total Volume Pumped: 4.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 15 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850724**

Test Notes:
Sample time 1355. Raining 60. Dup-3 here.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 1	+/- 5 %	+/- 10 %	+/- 10	+/- 20	+/- 0.5	
3/8/2022 1:20 PM	00:00	6.10 pH	15.59 °C	79.07 µS/cm	0.86 mg/L	1.11 NTU	106.2 mV	19.69 ft	150.00 ml/min
3/8/2022 1:25 PM	05:00	6.10 pH	15.66 °C	78.66 µS/cm	0.69 mg/L	1.18 NTU	99.6 mV	20.90 ft	150.00 ml/min
3/8/2022 1:30 PM	10:00	6.10 pH	15.84 °C	78.46 µS/cm	0.59 mg/L	1.13 NTU	98.2 mV	20.90 ft	150.00 ml/min
3/8/2022 1:35 PM	15:00	6.09 pH	15.94 °C	78.56 µS/cm	0.43 mg/L	0.52 NTU	97.5 mV	20.90 ft	150.00 ml/min
3/8/2022 1:40 PM	20:00	6.06 pH	16.04 °C	78.43 µS/cm	0.31 mg/L	1.13 NTU	99.8 mV	20.90 ft	150.00 ml/min
3/8/2022 1:45 PM	25:00	6.05 pH	15.98 °C	78.10 µS/cm	0.24 mg/L	1.87 NTU	98.2 mV	20.90 ft	150.00 ml/min
3/8/2022 1:50 PM	30:00	6.06 pH	15.84 °C	77.91 µS/cm	0.20 mg/L	1.75 NTU	95.9 mV	20.90 ft	150.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/8/2022 1:17:26 PM
Project: Plant Wansley Landfill
Operator Name: Hunter Auld

Location Name: GWC-18 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 20.39 ft** **Total Depth: 30.39 ft** **Initial Depth to Water: 12.88 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Pump Intake From TOC: 25.5 ft** **Estimated Total Volume Pumped: 4.2 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 0.5 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728634**

Test Notes:
Sampled at 1343 on 3-8-22. Cloudy, 50s.

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	
3/8/2022 1:17 PM	00:00	6.48 pH	12.15 °C	103.78 µS/cm	10.52 mg/L	5.00 NTU	26.3 mV	12.88 ft	150.00 ml/min
3/8/2022 1:22 PM	05:00	6.05 pH	13.21 °C	101.17 µS/cm	0.48 mg/L	1.50 NTU	29.7 mV	12.90 ft	150.00 ml/min
3/8/2022 1:27 PM	10:00	6.02 pH	13.98 °C	100.96 µS/cm	0.31 mg/L	1.70 NTU	31.0 mV	12.90 ft	150.00 ml/min
3/8/2022 1:32 PM	15:00	6.02 pH	14.36 °C	100.20 µS/cm	0.24 mg/L	1.70 NTU	31.2 mV	12.90 ft	150.00 ml/min
3/8/2022 1:37 PM	20:00	6.01 pH	14.48 °C	100.12 µS/cm	0.20 mg/L	1.50 NTU	30.4 mV	12.90 ft	150.00 ml/min
3/8/2022 1:42 PM	25:00	6.01 pH	14.75 °C	99.93 µS/cm	0.17 mg/L	1.30 NTU	30.1 mV	12.90 ft	150.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/8/2022 1:55:43 PM
Project: Plant Wansley Landfill
Operator Name: Jordan Berisford

Location Name: GWC-19 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 28.43 ft** **Total Depth: 38.43 ft** **Initial Depth to Water: 7.19 ft**	**Pump Type: Peri Pump** **Tubing Type: Poly** **Pump Intake From TOC: 33 ft** **Estimated Total Volume Pumped: 4 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 130 ml/min** **Final Draw Down: 13 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728634**

Test Notes:
Light rain, 50s, sample time-1425

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 100	+/- 10	+/- 0.3	
3/8/2022 1:55 PM	00:00	5.88 pH	13.75 °C	88.66 µS/cm	1.20 mg/L	6.40 NTU	38.4 mV	7.19 ft	130.00 ml/min
3/8/2022 2:00 PM	05:00	5.84 pH	13.67 °C	87.82 µS/cm	0.70 mg/L	4.21 NTU	39.2 mV	7.60 ft	130.00 ml/min
3/8/2022 2:05 PM	10:00	5.83 pH	13.67 °C	86.36 µS/cm	0.62 mg/L	2.34 NTU	39.1 mV	8.10 ft	130.00 ml/min
3/8/2022 2:10 PM	15:00	5.82 pH	13.58 °C	86.82 µS/cm	0.60 mg/L	2.13 NTU	39.8 mV	8.30 ft	130.00 ml/min
3/8/2022 2:15 PM	20:00	5.82 pH	13.30 °C	85.45 µS/cm	0.63 mg/L	1.71 NTU	40.3 mV	8.30 ft	130.00 ml/min
3/8/2022 2:20 PM	25:00	5.82 pH	13.13 °C	86.11 µS/cm	0.58 mg/L	1.27 NTU	38.3 mV	8.30 ft	130.00 ml/min
3/8/2022 2:25 PM	30:00	5.81 pH	13.27 °C	84.66 µS/cm	0.54 mg/L	1.89 NTU	38.1 mV	8.30 ft	130.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/7/2022 10:15:08 AM
Project: Plant Wansley Landfill
Operator Name: A Schnittker

Location Name: GWC-20 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 61 ft** **Total Depth: 70.96 ft** **Initial Depth to Water: 5.25 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Pump Intake From TOC: 65 ft** **Estimated Total Volume Pumped: 6 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 3 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850724**

Test Notes:
Sample time 1050. Cloudy 60s.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 300	+/- 0.3	
3/7/2022 10:15 AM	00:00	6.24 pH	16.94 °C	90.37 µS/cm	1.27 mg/L	2.04 NTU	114.8 mV	5.25 ft	200.00 ml/min
3/7/2022 10:20 AM	05:00	6.14 pH	16.42 °C	85.55 µS/cm	0.43 mg/L	1.87 NTU	89.5 mV	5.50 ft	200.00 ml/min
3/7/2022 10:25 AM	10:00	6.13 pH	16.51 °C	85.85 µS/cm	0.34 mg/L	1.55 NTU	84.2 mV	5.50 ft	200.00 ml/min
3/7/2022 10:30 AM	15:00	6.14 pH	16.66 °C	85.64 µS/cm	0.30 mg/L	1.32 NTU	81.6 mV	5.50 ft	200.00 ml/min
3/7/2022 10:35 AM	20:00	6.12 pH	16.79 °C	85.76 µS/cm	0.22 mg/L	0.91 NTU	79.8 mV	5.50 ft	200.00 ml/min
3/7/2022 10:40 AM	25:00	6.12 pH	16.83 °C	86.08 µS/cm	0.19 mg/L	0.86 NTU	92.5 mV	5.50 ft	200.00 ml/min
3/7/2022 10:45 AM	30:00	6.13 pH	16.82 °C	86.28 µS/cm	0.18 mg/L	0.74 NTU	91.9 mV	5.50 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/7/2022 11:15:24 AM
Project: Plant Wansley Landfill
Operator Name: A Schnittker

Location Name: GWC-21 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 28.3 ft** **Total Depth: 38.3 ft** **Initial Depth to Water: 13.4 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Pump Intake From TOC: 33 ft** **Estimated Total Volume Pumped: 5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 125 ml/min** **Final Draw Down: 28 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850724**

Test Notes:
Sample time 1150. Cloudy 60s. EB-2 here at 1105.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 300	+/- 0.3	
3/7/2022 11:15 AM	00:00	5.39 pH	17.05 °C	53.42 µS/cm	2.10 mg/L	1.56 NTU	123.3 mV	13.40 ft	125.00 ml/min
3/7/2022 11:20 AM	05:00	5.39 pH	16.86 °C	52.92 µS/cm	1.99 mg/L	1.47 NTU	117.0 mV	14.90 ft	125.00 ml/min
3/7/2022 11:25 AM	10:00	5.38 pH	16.88 °C	53.10 µS/cm	1.92 mg/L	1.23 NTU	117.5 mV	15.10 ft	125.00 ml/min
3/7/2022 11:30 AM	15:00	5.37 pH	16.83 °C	52.89 µS/cm	1.88 mg/L	1.15 NTU	119.4 mV	15.40 ft	125.00 ml/min
3/7/2022 11:35 AM	20:00	5.37 pH	16.92 °C	52.76 µS/cm	1.81 mg/L	1.09 NTU	119.9 mV	15.60 ft	125.00 ml/min
3/7/2022 11:40 AM	25:00	5.37 pH	16.96 °C	52.39 µS/cm	1.77 mg/L	1.01 NTU	119.5 mV	15.70 ft	125.00 ml/min
3/7/2022 11:45 AM	30:00	5.37 pH	17.00 °C	52.27 µS/cm	1.70 mg/L	0.47 NTU	120.2 mV	15.70 ft	125.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/8/2022 2:39:05 PM
Project: Plant Wansley Landfill
Operator Name: A Schnittker

Location Name: GWC-22 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 67.13 ft** **Total Depth: 77.13 ft** **Initial Depth to Water: 22.93 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Pump Intake From TOC: 72 ft** **Estimated Total Volume Pumped: 4.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 8 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850724**

Test Notes:
Sample time 1515. Cloudy 50s.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 300	+/- 0.3	
3/8/2022 2:39 PM	00:00	6.44 pH	13.07 °C	97.64 µS/cm	4.35 mg/L	0.20 NTU	99.7 mV	22.93 ft	150.00 ml/min
3/8/2022 2:44 PM	05:00	6.40 pH	14.67 °C	94.20 µS/cm	3.14 mg/L	0.37 NTU	89.0 mV	23.60 ft	150.00 ml/min
3/8/2022 2:49 PM	10:00	6.40 pH	14.99 °C	93.61 µS/cm	3.00 mg/L	0.31 NTU	84.8 mV	23.60 ft	150.00 ml/min
3/8/2022 2:54 PM	15:00	6.41 pH	15.02 °C	93.17 µS/cm	2.93 mg/L	0.34 NTU	82.5 mV	23.60 ft	150.00 ml/min
3/8/2022 2:59 PM	20:00	6.40 pH	14.94 °C	93.78 µS/cm	2.93 mg/L	0.31 NTU	80.9 mV	23.60 ft	150.00 ml/min
3/8/2022 3:04 PM	25:00	6.40 pH	14.88 °C	93.75 µS/cm	2.91 mg/L	0.21 NTU	79.9 mV	23.60 ft	150.00 ml/min
3/8/2022 3:09 PM	30:00	6.41 pH	14.89 °C	93.36 µS/cm	2.89 mg/L	0.28 NTU	78.7 mV	23.60 ft	150.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/9/2022 10:30:44 AM
Project: Plant Wansley Landfill
Operator Name: Jordan Berisford

Location Name: GWC-23 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 57.95 ft** **Total Depth: 67.95 ft** **Initial Depth to Water: 34.9 ft**	**Pump Type: Bladder Pump** **Tubing Type: Poly** **Pump Intake From TOC: 57 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 175 ml/min** **Final Draw Down: 18 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 714344**

Test Notes:
Cloudy, 60s, sample time 1110

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 100	+/- 10	+/- 0.3	
3/9/2022 10:30 AM	00:00	6.19 pH	17.05 °C	11.18 µS/cm	9.39 mg/L	2.28 NTU	260.6 mV	34.90 ft	175.00 ml/min
3/9/2022 10:35 AM	05:00	5.40 pH	17.00 °C	40.49 µS/cm	5.11 mg/L	3.91 NTU	106.6 mV	35.40 ft	175.00 ml/min
3/9/2022 10:40 AM	10:00	5.29 pH	16.78 °C	39.88 µS/cm	4.86 mg/L	4.72 NTU	102.1 mV	36.00 ft	175.00 ml/min
3/9/2022 10:45 AM	15:00	5.27 pH	16.64 °C	40.24 µS/cm	4.79 mg/L	5.33 NTU	101.7 mV	36.40 ft	175.00 ml/min
3/9/2022 10:50 AM	20:00	5.27 pH	16.69 °C	40.18 µS/cm	4.77 mg/L	5.12 NTU	101.9 mV	36.40 ft	175.00 ml/min
3/9/2022 10:55 AM	25:00	5.27 pH	16.64 °C	39.87 µS/cm	4.77 mg/L	5.05 NTU	102.2 mV	36.40 ft	175.00 ml/min
3/9/2022 11:00 AM	30:00	5.51 pH	16.64 °C	39.88 µS/cm	4.77 mg/L	2.59 NTU	104.9 mV	36.40 ft	175.00 ml/min
3/9/2022 11:05 AM	35:00	5.49 pH	16.60 °C	40.34 µS/cm	4.76 mg/L	2.71 NTU	107.1 mV	36.40 ft	175.00 ml/min
3/9/2022 11:10 AM	40:00	5.50 pH	16.55 °C	39.71 µS/cm	4.77 mg/L	2.19 NTU	107.8 mV	36.40 ft	175.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/9/2022 10:31:09 AM
Project: Plant Wansley Landfill
Operator Name: A Schnittker

Location Name: GWC-24 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 41.09 ft** **Total Depth: 51.09 ft** **Initial Depth to Water: 40.48 ft**	**Pump Type: QED Bladder Pump** **Tubing Type: Poly** **Pump Intake From TOC: 45 ft** **Estimated Total Volume Pumped: 14.0 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850724**

Test Notes:
Well purged dry. Not sampled. Blank water level readings indicate water level below top of pump.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 300	+/- 0.3	
3/9/2022 10:31 AM	00:00	6.42 pH	15.57 °C	10.49 µS/cm	8.73 mg/L	0.98 NTU	268.1 mV	40.48 ft	100.00 ml/min
3/9/2022 10:36 AM	05:00	5.07 pH	15.48 °C	23.89 µS/cm	6.98 mg/L	0.87 NTU	174.7 mV	41.10 ft	100.00 ml/min
3/9/2022 10:41 AM	10:00	4.99 pH	15.43 °C	22.61 µS/cm	6.57 mg/L	0.85 NTU	178.1 mV	41.40 ft	100.00 ml/min
3/9/2022 10:46 AM	15:00	4.96 pH	15.25 °C	22.03 µS/cm	6.56 mg/L	0.81 NTU	178.5 mV	41.60 ft	100.00 ml/min
3/9/2022 10:51 AM	20:00	4.95 pH	15.48 °C	21.81 µS/cm	6.60 mg/L	0.74 NTU	176.2 mV	41.70 ft	100.00 ml/min
3/9/2022 10:56 AM	25:00	4.95 pH	15.55 °C	21.83 µS/cm	6.65 mg/L	0.88 NTU	223.1 mV	41.80 ft	100.00 ml/min
3/9/2022 11:01 AM	30:00	4.97 pH	15.48 °C	21.88 µS/cm	6.60 mg/L	0.97 NTU	222.8 mV	41.90 ft	100.00 ml/min
3/9/2022 11:06 AM	35:00	4.97 pH	15.32 °C	21.95 µS/cm	6.59 mg/L	1.11 NTU	220.2 mV	42.00 ft	100.00 ml/min
3/9/2022 11:11 AM	40:00	4.98 pH	15.25 °C	22.01 µS/cm	6.58 mg/L	1.18 NTU	217.0 mV	42.10 ft	125.00 ml/min
3/9/2022 11:16 AM	45:00	5.00 pH	15.83 °C	22.16 µS/cm	6.74 mg/L	1.26 NTU	217.5 mV	42.40 ft	125.00 ml/min
3/9/2022 11:21 AM	50:00	4.97 pH	15.95 °C	22.29 µS/cm	6.48 mg/L	1.22 NTU	167.5 mV	42.60 ft	125.00 ml/min
3/9/2022 11:26 AM	55:00	4.96 pH	15.96 °C	22.25 µS/cm	6.23 mg/L	1.27 NTU	163.5 mV	42.80 ft	125.00 ml/min
3/9/2022 11:31 AM	01:00:00	4.96 pH	15.97 °C	22.24 µS/cm	6.15 mg/L	1.35 NTU	161.1 mV	43.00 ft	125.00 ml/min
3/9/2022 11:36 AM	01:05:00	4.95 pH	16.02 °C	22.29 µS/cm	6.02 mg/L	1.54 NTU	159.3 mV		125.00 ml/min
3/9/2022 11:41 AM	01:10:00	4.93 pH	16.17 °C	22.16 µS/cm	5.97 mg/L	1.52 NTU	158.0 mV		100.00 ml/min
3/9/2022 11:46 AM	01:15:00	4.93 pH	15.93 °C	22.04 µS/cm	5.98 mg/L	1.58 NTU	155.0 mV		100.00 ml/min

3/9/2022 11:51 AM	01:20:00	4.96 pH	15.34 °C	22.35 µS/cm	6.07 mg/L	1.37 NTU	151.3 mV		100.00 ml/min
3/9/2022 11:56 AM	01:25:00	4.96 pH	15.62 °C	22.49 µS/cm	6.01 mg/L	1.29 NTU	150.7 mV		100.00 ml/min
3/9/2022 12:01 PM	01:30:00	4.97 pH	15.61 °C	22.59 µS/cm	6.02 mg/L	1.76 NTU	149.6 mV		100.00 ml/min
3/9/2022 12:06 PM	01:35:00	4.96 pH	16.17 °C	22.78 µS/cm	6.05 mg/L	1.06 NTU	150.8 mV		200.00 ml/min
3/9/2022 12:11 PM	01:40:00	4.95 pH	16.28 °C	23.48 µS/cm	5.96 mg/L	1.12 NTU	152.3 mV		200.00 ml/min
3/9/2022 12:16 PM	01:45:00	5.05 pH	16.29 °C	25.61 µS/cm	5.82 mg/L	1.14 NTU	145.6 mV		200.00 ml/min
3/9/2022 12:21 PM	01:50:00	5.16 pH	16.29 °C	27.32 µS/cm	5.74 mg/L	3.76 NTU	139.7 mV		200.00 ml/min
3/9/2022 12:26 PM	01:55:00	5.19 pH	15.97 °C	27.29 µS/cm	8.44 mg/L	7.78 NTU	138.1 mV		200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/10/2022 10:45:15 AM
Project: Plant Wansley Landfill
Operator Name: A Schnittker

Location Name: GWC-24 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 41.09 ft** **Total Depth: 51.09 ft** **Initial Depth to Water: 40.38 ft**	**Pump Type: QED Bladder Pump** **Tubing Type: Poly** **Pump Intake From TOC: 45 ft** **Estimated Total Volume Pumped: 15.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 17 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850724**

Test Notes:
Well purged dry 3/9/2022. Sample on 3/10/2022 at 1105. Sunny 60. Dup 4 here.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 300	+/- 0.3	
3/10/2022 10:45 AM	00:00	5.27 pH	15.79 °C	23.67 µS/cm	7.89 mg/L	0.82 NTU	184.2 mV	40.38 ft	100.00 ml/min
3/10/2022 10:50 AM	05:00	5.18 pH	16.11 °C	23.17 µS/cm	7.67 mg/L	1.16 NTU	170.7 mV	41.60 ft	100.00 ml/min
3/10/2022 10:55 AM	10:00	5.17 pH	16.24 °C	22.81 µS/cm	7.61 mg/L	0.87 NTU	164.9 mV	41.70 ft	100.00 ml/min
3/10/2022 11:00 AM	15:00	5.14 pH	15.98 °C	22.46 µS/cm	7.53 mg/L	0.69 NTU	163.6 mV	41.80 ft	100.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/8/2022 12:04:43 PM
Project: Plant Wansley Landfill
Operator Name: Hunter Auld

Location Name: GWC-25 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 51.29 ft** **Total Depth: 61.29 ft** **Initial Depth to Water: 50.75 ft**	**Pump Type: Bladder Pump** **Tubing Type: Poly** **Pump Intake From TOC: 56.2 ft** **Estimated Total Volume Pumped: 2.6 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 1.8 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728634**

Test Notes:
Sampled at 1230 on 3-8-22. Cloudy, 40s.

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	
3/8/2022 12:04 PM	00:00	4.86 pH	13.92 °C	0.14 µS/cm	9.79 mg/L	5.00 NTU	56.5 mV	50.75 ft	100.00 ml/min
3/8/2022 12:09 PM	05:00	6.34 pH	14.75 °C	88.37 µS/cm	5.97 mg/L	1.60 NTU	34.1 mV	50.80 ft	100.00 ml/min
3/8/2022 12:14 PM	10:00	6.26 pH	14.37 °C	86.82 µS/cm	5.74 mg/L	1.20 NTU	37.3 mV	50.80 ft	100.00 ml/min
3/8/2022 12:19 PM	15:00	6.23 pH	14.21 °C	86.61 µS/cm	5.67 mg/L	1.10 NTU	38.3 mV	50.90 ft	100.00 ml/min
3/8/2022 12:24 PM	20:00	6.23 pH	13.54 °C	87.75 µS/cm	5.73 mg/L	1.10 NTU	38.3 mV	50.90 ft	100.00 ml/min
3/8/2022 12:29 PM	25:00	6.24 pH	13.26 °C	89.06 µS/cm	5.72 mg/L	1.20 NTU	36.8 mV	50.90 ft	100.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/9/2022 10:30:09 AM
Project: Plant Wansley Landfill
Operator Name: Hunter Auld

Location Name: GWC-26 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 49.54 ft** **Total Depth: 59.54 ft** **Initial Depth to Water: 29.85 ft**	**Pump Type: Bladder Pump** **Tubing Type: Poly** **Pump Intake From TOC: 54.4 ft** **Estimated Total Volume Pumped: 3.4 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 120 ml/min** **Final Draw Down: 11.4 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728634**

Test Notes:
Sampled at 1056 on 3-9-22. Cloudy, 50s.

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	
3/9/2022 10:30 AM	00:00	8.18 pH	16.47 °C	12.87 µS/cm	9.33 mg/L	5.00 NTU	237.8 mV	29.85 ft	120.00 ml/min
3/9/2022 10:35 AM	05:00	6.12 pH	15.56 °C	65.08 µS/cm	7.07 mg/L	0.70 NTU	66.3 mV	30.40 ft	120.00 ml/min
3/9/2022 10:40 AM	10:00	5.83 pH	15.74 °C	53.28 µS/cm	7.07 mg/L	1.40 NTU	46.4 mV	30.50 ft	120.00 ml/min
3/9/2022 10:45 AM	15:00	5.76 pH	15.36 °C	51.42 µS/cm	6.96 mg/L	2.75 NTU	48.3 mV	30.60 ft	120.00 ml/min
3/9/2022 10:50 AM	20:00	5.71 pH	15.52 °C	50.82 µS/cm	6.95 mg/L	2.66 NTU	47.1 mV	30.70 ft	120.00 ml/min
3/9/2022 10:55 AM	25:00	5.69 pH	15.29 °C	50.09 µS/cm	6.94 mg/L	2.00 NTU	45.4 mV	30.80 ft	120.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/8/2022 3:14:34 PM
Project: Plant Wansley Landfill
Operator Name: Jordan Berisford

Location Name: GWC-27 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 60.94 ft** **Total Depth: 70.94 ft** **Initial Depth to Water: 43.37 ft**	**Pump Type: Bladder Pump** **Tubing Type: Poly** **Pump Intake From TOC: 65 ft** **Estimated Total Volume Pumped: 4.2 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 13 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728634**

Test Notes:
Rain, 50s sample time -1554

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 100	+/- 10	+/- 0.3	
3/8/2022 3:14 PM	00:00	6.21 pH	12.60 °C	0.00 µS/cm	10.25 mg/L	1.62 NTU	33.2 mV	43.37 ft	100.00 ml/min
3/8/2022 3:14 PM	00:17	6.20 pH	12.52 °C	0.00 µS/cm	10.27 mg/L	1.21 NTU	42.1 mV	43.40 ft	100.00 ml/min
3/8/2022 3:19 PM	05:17	5.47 pH	14.22 °C	31.80 µS/cm	5.25 mg/L	1.14 NTU	44.7 mV	44.40 ft	100.00 ml/min
3/8/2022 3:24 PM	10:17	5.32 pH	15.20 °C	28.97 µS/cm	4.19 mg/L	1.76 NTU	42.6 mV	44.40 ft	100.00 ml/min
3/8/2022 3:26 PM	11:58	5.29 pH	15.29 °C	29.26 µS/cm	4.03 mg/L	1.42 NTU	48.8 mV	44.40 ft	100.00 ml/min
3/8/2022 3:31 PM	16:58	5.35 pH	15.34 °C	33.46 µS/cm	3.82 mg/L	1.95 NTU	41.5 mV	44.40 ft	100.00 ml/min
3/8/2022 3:36 PM	21:58	5.43 pH	15.22 °C	38.48 µS/cm	3.68 mg/L	1.84 NTU	38.8 mV	44.40 ft	100.00 ml/min
3/8/2022 3:41 PM	26:58	5.49 pH	15.30 °C	42.20 µS/cm	3.59 mg/L	1.18 NTU	36.1 mV	44.40 ft	100.00 ml/min
3/8/2022 3:46 PM	31:58	5.54 pH	15.30 °C	44.44 µS/cm	3.53 mg/L	1.89 NTU	34.8 mV	44.40 ft	100.00 ml/min
3/8/2022 3:51 PM	36:58	5.56 pH	15.41 °C	45.77 µS/cm	3.49 mg/L	2.17 NTU	33.8 mV	44.40 ft	100.00 ml/min
3/8/2022 3:56 PM	41:58	5.57 pH	15.33 °C	45.98 µS/cm	3.48 mg/L	1.73 NTU	33.6 mV	44.40 ft	100.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/1/2022 2:05:53 PM
Project: Plant Wansley Landfill
Operator Name: A Schnittker

Location Name: GWA-28 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 35.83 ft** **Total Depth: 45.83 ft** **Initial Depth to Water: 24.96 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Pump Intake From TOC: 40 ft** **Estimated Total Volume Pumped: 3.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 32 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850724**

Test Notes:
Sample time 1450. Sunny 50s.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 300	+/- 0.3	
3/1/2022 2:05 PM	00:00	6.69 pH	25.37 °C	54.92 µS/cm	6.79 mg/L	0.27 NTU	68.2 mV	24.96 ft	100.00 ml/min
3/1/2022 2:10 PM	05:00	6.10 pH	19.09 °C	56.42 µS/cm	5.86 mg/L	0.35 NTU	65.7 mV	25.80 ft	100.00 ml/min
3/1/2022 2:15 PM	10:00	6.04 pH	18.46 °C	57.56 µS/cm	5.69 mg/L	0.59 NTU	71.2 mV	26.20 ft	100.00 ml/min
3/1/2022 2:20 PM	15:00	6.02 pH	18.13 °C	57.23 µS/cm	5.85 mg/L	0.67 NTU	75.7 mV	26.80 ft	100.00 ml/min
3/1/2022 2:25 PM	20:00	6.00 pH	18.02 °C	57.21 µS/cm	5.90 mg/L	0.58 NTU	86.9 mV	27.00 ft	100.00 ml/min
3/1/2022 2:30 PM	25:00	5.99 pH	17.76 °C	57.03 µS/cm	6.08 mg/L	0.57 NTU	91.7 mV	27.40 ft	100.00 ml/min
3/1/2022 2:35 PM	30:00	5.99 pH	17.70 °C	56.57 µS/cm	6.04 mg/L	0.48 NTU	85.8 mV	27.50 ft	100.00 ml/min
3/1/2022 2:40 PM	35:00	5.96 pH	17.73 °C	56.85 µS/cm	6.26 mg/L	0.44 NTU	88.0 mV	27.60 ft	100.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/2/2022 10:17:14 AM
Project: Plant Wansley Landfill
Operator Name: Hunter Auld

Location Name: GWA-29 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 47.07 ft** **Total Depth: 57.07 ft** **Initial Depth to Water: 41.18 ft**	**Pump Type: Bladder Pump** **Tubing Type: Poly** **Pump Intake From TOC: 52 ft** **Estimated Total Volume Pumped: 5.2 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 1 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728634**

Test Notes:
Sampled at 1043 on 3-2-22. Sunny, 60s.

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	
3/2/2022 10:17 AM	00:00	7.22 pH	18.70 °C	167.86 µS/cm	7.41 mg/L	10.00 NTU	107.9 mV	41.18 ft	200.00 ml/min
3/2/2022 10:22 AM	05:00	5.95 pH	16.94 °C	83.71 µS/cm	5.64 mg/L	6.30 NTU	41.7 mV	41.20 ft	200.00 ml/min
3/2/2022 10:27 AM	10:00	5.89 pH	16.91 °C	82.09 µS/cm	5.29 mg/L	4.60 NTU	35.2 mV	41.20 ft	200.00 ml/min
3/2/2022 10:32 AM	15:00	5.86 pH	16.95 °C	82.52 µS/cm	5.20 mg/L	3.70 NTU	33.3 mV	41.20 ft	200.00 ml/min
3/2/2022 10:37 AM	20:00	5.87 pH	17.00 °C	83.31 µS/cm	5.15 mg/L	2.30 NTU	32.9 mV	41.20 ft	200.00 ml/min
3/2/2022 10:42 AM	25:00	5.87 pH	17.00 °C	83.51 µS/cm	5.12 mg/L	1.90 NTU	32.3 mV	41.20 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/2/2022 11:02:52 AM
Project: Plant Wansley Landfill
Operator Name: Hunter Auld

Location Name: GWC-30 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 39.64 ft** **Total Depth: 49.64 ft** **Initial Depth to Water: 25.1 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Pump Intake From TOC: 44 ft** **Estimated Total Volume Pumped: 4.1 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 125 ml/min** **Final Draw Down: 10.8 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728634**

Test Notes:
Sampled at 1135 on 3-2-22. Sunny, 60s.

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	
3/2/2022 11:02 AM	00:00	6.34 pH	19.85 °C	0.00 µS/cm	8.98 mg/L	10.00 NTU	28.2 mV	25.10 ft	150.00 ml/min
3/2/2022 11:07 AM	05:00	6.26 pH	18.42 °C	58.41 µS/cm	6.34 mg/L	0.40 NTU	33.6 mV	25.50 ft	125.00 ml/min
3/2/2022 11:12 AM	10:00	6.22 pH	17.99 °C	56.64 µS/cm	6.28 mg/L	0.40 NTU	33.3 mV	25.60 ft	125.00 ml/min
3/2/2022 11:17 AM	15:00	6.17 pH	18.14 °C	58.64 µS/cm	6.23 mg/L	0.70 NTU	32.1 mV	25.70 ft	125.00 ml/min
3/2/2022 11:22 AM	20:00	6.12 pH	18.21 °C	55.85 µS/cm	6.14 mg/L	0.60 NTU	32.4 mV	25.80 ft	125.00 ml/min
3/2/2022 11:27 AM	25:00	6.09 pH	18.42 °C	55.44 µS/cm	5.99 mg/L	0.60 NTU	32.6 mV	25.90 ft	125.00 ml/min
3/2/2022 11:32 AM	30:00	6.07 pH	18.46 °C	55.20 µS/cm	6.12 mg/L	0.60 NTU	32.5 mV	26.00 ft	125.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/9/2022 11:36:44 AM
Project: Plant Wansley Landfill
Operator Name: Hunter Auld

Location Name: GWC-31 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 28.03 ft** **Total Depth: 38.03 ft** **Initial Depth to Water: 29.53 ft**	**Pump Type: Portable Bladder Pump** **Tubing Type: Poly** **Pump Intake From TOC: 35.5 ft** **Estimated Total Volume Pumped: 9.8 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 72 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728634**

Test Notes:
Well purged dry. Return to sample on 3-10-22.

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	
3/9/2022 11:36 AM	00:00	5.91 pH	16.43 °C	0.00 µS/cm	9.33 mg/L	5.00 NTU	31.1 mV	29.53 ft	150.00 ml/min
3/9/2022 11:41 AM	05:00	6.12 pH	16.40 °C	106.34 µS/cm	6.39 mg/L	12.00 NTU	29.0 mV	29.80 ft	150.00 ml/min
3/9/2022 11:46 AM	10:00	6.13 pH	16.56 °C	105.79 µS/cm	6.33 mg/L	11.00 NTU	29.3 mV	30.10 ft	150.00 ml/min
3/9/2022 11:51 AM	15:00	6.13 pH	16.45 °C	105.55 µS/cm	6.40 mg/L	16.00 NTU	30.6 mV	30.50 ft	150.00 ml/min
3/9/2022 11:56 AM	20:00	6.13 pH	16.49 °C	104.16 µS/cm	6.40 mg/L	16.00 NTU	30.1 mV	30.70 ft	150.00 ml/min
3/9/2022 12:01 PM	25:00	6.13 pH	16.45 °C	102.66 µS/cm	6.36 mg/L	15.00 NTU	30.5 mV	31.00 ft	150.00 ml/min
3/9/2022 12:06 PM	30:00	6.12 pH	16.46 °C	98.93 µS/cm	6.35 mg/L	13.00 NTU	30.5 mV	31.30 ft	150.00 ml/min
3/9/2022 12:11 PM	35:00	6.11 pH	16.37 °C	96.07 µS/cm	6.27 mg/L	12.00 NTU	30.7 mV	31.60 ft	150.00 ml/min
3/9/2022 12:16 PM	40:00	6.11 pH	16.37 °C	93.78 µS/cm	6.34 mg/L	13.50 NTU	31.7 mV	32.30 ft	150.00 ml/min
3/9/2022 12:21 PM	45:00	6.11 pH	16.46 °C	94.74 µS/cm	6.31 mg/L	13.00 NTU	31.9 mV	33.00 ft	150.00 ml/min
3/9/2022 12:26 PM	50:00	6.12 pH	16.46 °C	97.10 µS/cm	6.36 mg/L	11.00 NTU	32.2 mV	33.80 ft	150.00 ml/min
3/9/2022 12:31 PM	55:00	6.14 pH	16.33 °C	101.38 µS/cm	6.41 mg/L	11.00 NTU	32.3 mV	34.30 ft	150.00 ml/min
3/9/2022 12:32 PM	55:21	6.14 pH	16.36 °C	101.82 µS/cm	6.40 mg/L	10.40 NTU	32.2 mV	34.30 ft	150.00 ml/min
3/9/2022 12:37 PM	01:00:21	6.16 pH	16.41 °C	104.48 µS/cm	6.30 mg/L	8.60 NTU	32.5 mV	34.30 ft	150.00 ml/min

Low-Flow Test Report:

Test Date / Time: 3/10/2022 9:30:36 AM
Project: Plant Wansley Landfill
Operator Name: A Schnittker

Location Name: GWC-31 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 28.03 ft** **Total Depth: 38.03 ft** **Initial Depth to Water: 31.4 ft**	**Pump Type: Bladder Pump** **Tubing Type: Poly** **Pump Intake From TOC: 33 ft** **Estimated Total Volume Pumped: 12.8 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 19.2 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 850724**

Test Notes:
Well purged dry 3/9/2022. Sampled on 3/10/2022 at 955. Sunny 50s.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 300	+/- 0.3	
3/10/2022 9:30 AM	00:00	6.24 pH	14.66 °C	88.56 µS/cm	7.73 mg/L	16.90 NTU	149.3 mV	31.42 ft	150.00 ml/min
3/10/2022 9:35 AM	05:00	6.03 pH	16.77 °C	78.74 µS/cm	6.74 mg/L	11.90 NTU	120.7 mV	32.70 ft	150.00 ml/min
3/10/2022 9:40 AM	10:00	6.01 pH	17.14 °C	78.35 µS/cm	6.69 mg/L	9.89 NTU	120.4 mV	32.80 ft	150.00 ml/min
3/10/2022 9:45 AM	15:00	6.02 pH	16.38 °C	78.36 µS/cm	6.84 mg/L	7.93 NTU	114.6 mV	32.90 ft	150.00 ml/min
3/10/2022 9:50 AM	20:00	6.02 pH	16.29 °C	78.85 µS/cm	6.84 mg/L	7.70 NTU	145.9 mV	33.00 ft	150.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/9/2022 12:53:00 PM
Project: Plant Wansley Landfill
Operator Name: Hunter Auld

Location Name: GWC-32 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 21.21 ft** **Total Depth: 31.21 ft** **Initial Depth to Water: 24.74 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Pump Intake From TOC: 28 ft** **Estimated Total Volume Pumped: 12 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 16.3 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728634**

Test Notes:
Sampled at 1400 on 3-9-22. Sunny, 50s.

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	
3/9/2022 12:53 PM	00:00	6.44 pH	16.91 °C	0.00 µS/cm	9.19 mg/L	10.00 NTU	33.3 mV	24.74 ft	200.00 ml/min
3/9/2022 12:58 PM	05:00	6.20 pH	17.11 °C	0.00 µS/cm	8.73 mg/L	10.00 NTU	53.0 mV	24.74 ft	200.00 ml/min
3/9/2022 1:03 PM	10:00	6.17 pH	17.11 °C	96.34 µS/cm	8.77 mg/L	10.00 NTU	43.8 mV	24.74 ft	200.00 ml/min
3/9/2022 1:08 PM	15:00	6.12 pH	16.37 °C	95.18 µS/cm	7.37 mg/L	0.80 NTU	35.5 mV	25.10 ft	200.00 ml/min
3/9/2022 1:13 PM	20:00	6.11 pH	16.50 °C	95.55 µS/cm	7.39 mg/L	0.90 NTU	35.2 mV	25.30 ft	200.00 ml/min
3/9/2022 1:18 PM	25:00	6.12 pH	16.64 °C	95.77 µS/cm	7.46 mg/L	0.60 NTU	35.0 mV	25.50 ft	200.00 ml/min
3/9/2022 1:23 PM	30:00	6.11 pH	16.68 °C	95.89 µS/cm	7.57 mg/L	0.60 NTU	35.4 mV	25.60 ft	200.00 ml/min
3/9/2022 1:28 PM	35:00	6.12 pH	17.17 °C	94.77 µS/cm	7.21 mg/L	0.40 NTU	34.9 mV	25.70 ft	200.00 ml/min
3/9/2022 1:33 PM	40:00	6.12 pH	16.96 °C	94.37 µS/cm	7.28 mg/L	0.60 NTU	35.7 mV	25.80 ft	200.00 ml/min
3/9/2022 1:38 PM	45:00	6.12 pH	17.26 °C	95.90 µS/cm	7.01 mg/L	0.40 NTU	34.7 mV	25.90 ft	200.00 ml/min
3/9/2022 1:43 PM	50:00	6.12 pH	17.01 °C	95.95 µS/cm	7.03 mg/L	0.50 NTU	35.3 mV	25.90 ft	200.00 ml/min
3/9/2022 1:48 PM	55:00	6.12 pH	16.99 °C	95.99 µS/cm	6.91 mg/L	0.40 NTU	35.1 mV	26.00 ft	200.00 ml/min
3/9/2022 1:53 PM	01:00:00	6.11 pH	16.83 °C	97.21 µS/cm	6.72 mg/L	0.40 NTU	35.3 mV	26.10 ft	200.00 ml/min
3/9/2022 1:58 PM	01:05:00	6.11 pH	16.89 °C	97.31 µS/cm	6.75 mg/L	0.40 NTU	34.7 mV	26.10 ft	200.00 ml/min

Low-Flow Test Report:

Test Date / Time: 3/9/2022 1:20:24 PM
Project: Plant Wansley Landfill
Operator Name: Jordan Berisford

Location Name: GWC-33 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 14.03 ft** **Total Depth: 24.03 ft** **Initial Depth to Water: 13.25 ft**	**Pump Type: Peri Pump** **Tubing Type: Poly** **Pump Intake From TOC: 18 ft** **Estimated Total Volume Pumped: 20 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 125 ml/min** **Final Draw Down: 102.6 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 714344**

Test Notes:
Cloudy, 60s, sample time -1440, well started at 1200 first log accidentally ended

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 100	+/- 10	+/- 0.3	
3/9/2022 1:20 PM	00:00	5.79 pH	17.53 °C	112.35 µS/cm	5.11 mg/L	2.83 NTU	109.6 mV	13.25 ft	125.00 ml/min
3/9/2022 1:25 PM	05:00	5.75 pH	17.45 °C	121.39 µS/cm	7.04 mg/L	3.05 NTU	110.1 mV	18.50 ft	125.00 ml/min
3/9/2022 1:30 PM	10:00	5.88 pH	18.34 °C	131.33 µS/cm	7.74 mg/L	4.39 NTU	107.7 mV	18.80 ft	125.00 ml/min
3/9/2022 1:35 PM	15:00	5.88 pH	17.72 °C	122.39 µS/cm	7.55 mg/L	5.51 NTU	110.6 mV	19.10 ft	125.00 ml/min
3/9/2022 1:40 PM	20:00	5.85 pH	17.56 °C	120.35 µS/cm	7.45 mg/L	5.78 NTU	110.9 mV	19.40 ft	125.00 ml/min
3/9/2022 1:45 PM	25:00	5.82 pH	17.49 °C	117.96 µS/cm	7.35 mg/L	6.93 NTU	111.6 mV	19.60 ft	125.00 ml/min
3/9/2022 1:50 PM	30:00	5.81 pH	17.45 °C	117.15 µS/cm	7.10 mg/L	6.31 NTU	112.3 mV	19.80 ft	125.00 ml/min
3/9/2022 1:55 PM	35:00	5.79 pH	17.54 °C	116.98 µS/cm	7.03 mg/L	6.07 NTU	112.6 mV	20.30 ft	125.00 ml/min
3/9/2022 2:00 PM	40:00	5.78 pH	17.71 °C	116.24 µS/cm	6.92 mg/L	5.92 NTU	113.5 mV	20.50 ft	125.00 ml/min
3/9/2022 2:05 PM	45:00	5.77 pH	17.94 °C	115.19 µS/cm	6.84 mg/L	5.83 NTU	113.8 mV	20.70 ft	125.00 ml/min
3/9/2022 2:10 PM	50:00	5.76 pH	17.87 °C	115.51 µS/cm	6.74 mg/L	4.98 NTU	115.0 mV	21.00 ft	125.00 ml/min
3/9/2022 2:15 PM	55:00	5.77 pH	17.71 °C	114.77 µS/cm	6.70 mg/L	5.31 NTU	115.6 mV	21.30 ft	125.00 ml/min
3/9/2022 2:20 PM	01:00:00	5.77 pH	17.51 °C	116.43 µS/cm	6.66 mg/L	4.75 NTU	116.2 mV	21.50 ft	125.00 ml/min
3/9/2022 2:25 PM	01:05:00	5.79 pH	17.63 °C	117.89 µS/cm	6.60 mg/L	3.11 NTU	116.7 mV	21.70 ft	125.00 ml/min
3/9/2022 2:30 PM	01:10:00	5.82 pH	17.54 °C	119.05 µS/cm	6.50 mg/L	3.28 NTU	117.1 mV	21.80 ft	125.00 ml/min

3/9/2022 2:35 PM	01:15:00	5.84 pH	17.44 °C	119.87 µS/cm	6.41 mg/L	3.93 NTU	117.9 mV	21.80 ft	125.00 ml/min
3/9/2022 2:40 PM	01:20:00	5.85 pH	17.36 °C	121.60 µS/cm	6.39 mg/L	2.83 NTU	118.1 mV	21.80 ft	125.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/2/2022 1:08:35 PM
Project: Plant Wansley Landfill
Operator Name: Hunter Auld

Location Name: GWC-34 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 40.91 ft** **Total Depth: 50.91 ft** **Initial Depth to Water: 4.02 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Pump Intake From TOC: 46 ft** **Estimated Total Volume Pumped: 6.1 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 225 ml/min** **Final Draw Down: 1 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728634**

Test Notes:
Sampled at 1335 on 3-2-22. Sunny 70s. FB-2 here at 1315.

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	
3/2/2022 1:08 PM	00:00	6.48 pH	30.13 °C	54.49 µS/cm	6.73 mg/L	10.00 NTU	36.8 mV	4.02 ft	225.00 ml/min
3/2/2022 1:13 PM	05:00	5.90 pH	19.27 °C	48.29 µS/cm	2.73 mg/L	0.40 NTU	35.0 mV	4.10 ft	225.00 ml/min
3/2/2022 1:18 PM	10:00	5.90 pH	18.82 °C	49.03 µS/cm	2.70 mg/L	0.60 NTU	31.3 mV	4.10 ft	225.00 ml/min
3/2/2022 1:23 PM	15:00	5.90 pH	18.82 °C	49.05 µS/cm	3.24 mg/L	0.60 NTU	31.0 mV	4.10 ft	225.00 ml/min
3/2/2022 1:28 PM	20:00	5.91 pH	18.73 °C	49.75 µS/cm	3.32 mg/L	0.80 NTU	29.2 mV	4.10 ft	225.00 ml/min
3/2/2022 1:33 PM	25:00	5.91 pH	18.94 °C	49.63 µS/cm	3.27 mg/L	1.30 NTU	28.7 mV	4.10 ft	225.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/2/2022 12:00:58 PM
Project: Plant Wansley Landfill
Operator Name: Hunter Auld

Location Name: GWC-35 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 30.53 ft** **Total Depth: 40.53 ft** **Initial Depth to Water: 7.93 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Pump Intake From TOC: 34 ft** **Estimated Total Volume Pumped: 10.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 250 ml/min** **Final Draw Down: 0.8 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 728634**

Test Notes:
Sampled at 1242 on 3-2-22. Sunny, 70s.

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	
3/2/2022 12:00 PM	00:00	6.23 pH	25.30 °C	51.70 µS/cm	7.61 mg/L	10.00 NTU	30.9 mV	7.93 ft	250.00 ml/min
3/2/2022 12:05 PM	05:00	6.10 pH	19.72 °C	51.72 µS/cm	6.81 mg/L	1.10 NTU	35.6 mV	8.00 ft	250.00 ml/min
3/2/2022 12:10 PM	10:00	6.10 pH	19.27 °C	52.10 µS/cm	6.89 mg/L	0.60 NTU	34.5 mV	8.00 ft	250.00 ml/min
3/2/2022 12:15 PM	15:00	6.09 pH	19.33 °C	52.12 µS/cm	6.83 mg/L	0.40 NTU	33.9 mV	8.00 ft	250.00 ml/min
3/2/2022 12:20 PM	20:00	6.07 pH	19.68 °C	51.96 µS/cm	6.63 mg/L	0.50 NTU	33.5 mV	8.00 ft	250.00 ml/min
3/2/2022 12:25 PM	25:00	5.92 pH	19.28 °C	52.90 µS/cm	5.40 mg/L	0.50 NTU	33.7 mV	8.00 ft	250.00 ml/min
3/2/2022 12:26 PM	25:31	5.89 pH	19.31 °C	53.17 µS/cm	5.29 mg/L	0.50 NTU	33.9 mV	8.00 ft	250.00 ml/min
3/2/2022 12:31 PM	30:31	5.77 pH	19.32 °C	54.13 µS/cm	3.42 mg/L	0.40 NTU	33.5 mV	8.00 ft	250.00 ml/min
3/2/2022 12:36 PM	35:31	5.74 pH	19.36 °C	53.04 µS/cm	3.49 mg/L	0.50 NTU	33.6 mV	8.00 ft	250.00 ml/min
3/2/2022 12:41 PM	40:31	5.73 pH	19.46 °C	53.12 µS/cm	3.30 mg/L	0.50 NTU	33.0 mV	8.00 ft	250.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/4/2022 11:33:24 AM
Project: Plant Wansley Landfill
Operator Name: A Schnittker

Location Name: SWA-1	Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 850724

Test Notes:
Sample time 1130. Sunny 70s.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 300	+/- 0.3
3/4/2022 11:33 AM	00:00	7.16 pH	20.39 °C	33.36 µS/cm	8.58 mg/L	3.36 NTU	90.5 mV	
3/4/2022 11:35 AM	02:00	7.00 pH	19.95 °C	34.25 µS/cm	9.34 mg/L	3.36 NTU	102.7 mV	

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/4/2022 10:45:15 AM
Project: Plant Wansley Landfill
Operator Name: A Schnittker

Location Name: SWA-6	Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 850724

Test Notes:
Sample time 1045. Sunny 60s.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 300	+/- 0.3
3/4/2022 10:45 AM	00:00	6.49 pH	18.11 °C	71.94 µS/cm	8.58 mg/L	4.23 NTU	95.4 mV	
3/4/2022 10:47 AM	02:00	6.63 pH	16.49 °C	77.38 µS/cm	9.52 mg/L	4.23 NTU	99.4 mV	

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/4/2022 10:32:32 AM
Project: Plant Wansley Landfill
Operator Name: A Schnittker

Location Name: SWC-5	Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 850724

Test Notes:
Sample Time 10:30. Sunny 60s.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 300	+/- 0.3
3/4/2022 10:32 AM	00:00	5.91 pH	20.66 °C	359.74 µS/cm	3.66 mg/L	0.31 NTU	135.7 mV	
3/4/2022 10:34 AM	02:00	5.69 pH	20.35 °C	412.97 µS/cm	4.38 mg/L	0.31 NTU	141.5 mV	

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/4/2022 11:08:53 AM
Project: Plant Wansley Landfill
Operator Name: A Schnittker

Location Name: SWC-7	Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 850724

Test Notes:
Sample time 1100. Sunny 60.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 300	+/- 0.3
3/4/2022 11:08 AM	00:00	6.92 pH	18.97 °C	84.94 µS/cm	9.71 mg/L	3.91 NTU	84.6 mV	
3/4/2022 11:10 AM	02:00	6.95 pH	19.01 °C	86.47 µS/cm	9.93 mg/L		100.4 mV	

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 3/4/2022 11:48:06 AM
Project: Plant Wansley Landfill
Operator Name: A Schnittker

Location Name: SWC-8	Flow Cell Volume: 90 ml	Instrument Used: Aqua TROLL 400 Serial Number: 850724

Test Notes:
Sample time 1150. Sunny 60s.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 300	+/- 0.3
3/4/2022 11:48 AM	00:00	6.31 pH	17.23 °C	97.65 µS/cm	5.57 mg/L	8.49 NTU	98.8 mV	
3/4/2022 11:50 AM	02:00	6.19 pH	14.89 °C	104.90 µS/cm	6.20 mg/L	8.49 NTU	109.8 mV	

Samples

Sample ID:	Description:

APPENDIX A

Daily Instrument Calibration Logs
March 2022 Monitoring Event

Daily Instrument Calibration Log

SITE: Plant Wansley Landfill
TECHNICIAN: A Schaffner

WATER LEVEL: Solinst
WATER LEVEL S/N: 377066

INSTRUMENT S/N: 850724
INSTRUMENT TYPE: AquaTroll
CAL. SOLUTIONS:

ID: pH 4	LOT #: 1641124	EXP. DATE: 7/23		
ID: pH 7	LOT #: 21340162	EXP. DATE: 4/23		
ID: pH 10	LOT #: 20886G	EXP. DATE: 4/23		
ID: Cond.	LOT #: 1669713	EXP. DATE: 3/22		
ID: ORP	LOT #: 21340183	EXP. DATE: 4/23		Middles pH check
ID:	LOT #:	EXP. DATE:		Must be less than .10
ID:	LOT #:	EXP. DATE:		(6.90-7.10 range)
				Recalibrate if not within range

Calibration Date: 2/28/22

RDO: 100% sat = 99.17 — Middles pH check
PH: 4.00 = 4.01 — 7.00 = 7.06 — 10.00 = 9.99 — 7.0 = 7.02
PH Recal (if needed): 4.00 = — 7.00 = — 10.00 = — 7.0= post recal check
CONDUCTIVITY: 1413 = 1688.1
ORP (mV): 240 = 234.1

Calibration Date: 3/1/22

RDO: 100% sat = 100.85 — Middles pH check
PH: 4.00 = 4.11 — 7.00 = 7.04 — 10.00 = 10.25 — 7.0 = 7.040
PH Recal (if needed): 4.00 = — 7.00 = — 10.00 = — 7.0= post recal check
CONDUCTIVITY: 1413 = 1336.2
ORP (mV): 240 = 246.8

Calibration Date: 3/2/22

RDO: 100% sat = 102.22 — Middles pH check
PH: 4.00 = 3.98 — 7.00 = 7.09 — 10.00 = 10.02 — 7.0 = 7.03
PH Recal (if needed): 4.00 = — 7.00 = — 10.00 = — 7.0= post recal check
CONDUCTIVITY: 1413 = 1496.7
ORP (mV): 240 = 241.4

Calibration Date: 3/3/22

RDO: 100% sat = 107.28 — Middles pH check
PH: 4.00 = 4.05 — 7.00 = 7.05 — 10.00 = 10.02 — 7.0 = 7.02
PH Recal (if needed): 4.00 = — 7.00 = — 10.00 = — 7.0= post recal check
CONDUCTIVITY: 1413 = 1565.6
ORP (mV): 240 = 230.1

Calibration Date: 3/4/22

RDO: 100% sat = 99.52 — Middles pH check
PH: 4.00 = 3.99 — 7.00 = 7.05 — 10.00 = 9.98 — 7.0 = 7.01
PH Recal (if needed): 4.00 = — 7.00 = — 10.00 = — 7.0= post recal check
CONDUCTIVITY: 1413 = 1129.5
ORP (mV): 240 = 249.5

ATLANTIC COAST CONSULTING, INC.

Daily Instrument Calibration Log

SITE: Plant Wansley

TECHNICIAN: A Schwittkew

WATER LEVEL: Solinst

WATER LEVEL S/N: 37 1060

INSTRUMENT S/N: 850724

INSTRUMENT TYPE: AquaTroll

CAL. SOLUTIONS:

ID	LOT #	EXP. DATE
pH 4	3GH2224	8/23
pH 7	21330102	9/23
pH 10	2203005b	4/23
Con	166975	7/23
ORP	21140141	4/23

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

Calibration Date: 3/7

				Midday pH check
RDO:	100% sat. = 99.13			
PH:	4.00 = 4.03	7.00 = 7.07	10.00 = 10.09	7.0 = 7.01
PH Recal (if needed):	4.00 =	7.00 =	10.00 =	7.0= post recal check
CONDUCTIVITY:	1413 = 1406.5			
ORP (mV):	240 = 251.7			

Calibration Date: 3/8

				Midday pH check
RDO:	100% sat. = 97.44			
PH:	4.00 = 4.05	7.00 = 7.07	10.00 = 10.09	7.0 = 7.05
PH Recal (if needed):	4.00 =	7.00 =	10.00 =	7.0= post recal check
CONDUCTIVITY:	1413 = 1439.5			
ORP (mV):	240 = 246.0			

Calibration Date: 3/9

				Midday pH check
RDO:	100% sat. = 101.61			
PH:	4.00 = 4.05	7.00 = 7.10	10.00 = 10.07	7.0 = 7.01
PH Recal (if needed):	4.00 =	7.00 =	10.00 =	7.0= post recal check
CONDUCTIVITY:	1413 = 1494.1			
ORP (mV):	240 = 243.2			

Calibration Date: 3/10

				Midday pH check
RDO:	100% sat. = 98.27			
PH:	4.00 = 3.83	7.00 = 7.00	10.00 = 9.98	7.0 = 7.04
PH Recal (if needed):	4.00 =	7.00 =	10.00 =	7.0= post recal check
CONDUCTIVITY:	1413 = 1386.3			
ORP (mV):	240 = 246.4			

Calibration Date:

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

Daily Instrument Calibration Log

SITE:	Plant Wansley
TECHNICIAN:	A Silvestrini
INSTRUMENT S/N:	15030C039579
INSTRUMENT TYPE:	Hach 2100Q
CAL. SOLUTION:	0 NTU - LOT # N/A EXP. DATE: Exp 01
	10 NTU - LOT # A1082 EXP. DATE: 6/23
	20 NTU - LOT # A1013 EXP. DATE: 4/22

Calibration Date: 2/28/22

Calibration Solution	Instrument Reading	
0.0	0.3	NTU
10.0	10.5	NTU
20.0	20.2	NTU

Calibration Date: 3/1/22

Calibration Solution	Instrument Reading	
0.0	0.57	NTU
10.0	11.0	NTU
20.0	20.1	NTU

Calibration Date: 3/2/22

Calibration Solution	Instrument Reading	
0.0	0.5	NTU
10.0	10.7	NTU
20.0	20.3	NTU

Calibration Date: 3/3/22

Calibration Solution	Instrument Reading	
0.0	0.29	NTU
10.0	11.0	NTU
20.0	20.3	NTU

Calibration Date: 3/4/22

Calibration Solution	Instrument Reading	
0.0	0.19	NTU
10.0	11.1	NTU
20.0	20.0	NTU

Calibration Date: 3/7

Calibration Solution	Instrument Reading	
0.0	0.33	NTU
10.0	10.7	NTU
20.0	20.1	NTU

Daily Instrument Calibration Log

SITE: Plant Wansley

TECHNICIAN: A Schmeltzer

INSTRUMENT S/N: 15030C039679

INSTRUMENT TYPE: Hach 2100Q

CAL. SOLUTION:

0 NTU - LOT #	N/A	EXP. DATE:	Fresh 01
10 NTU - LOT #	A1062	EXP. DATE:	6/22
20 NTU - LOT #	A1013	EXP. DATE:	4/22

Calibration Date: 3/8

Calibration Solution	Instrument Reading	
0.0	0.19	NTU
10.0	11.2	NTU
20.0	21.0	NTU

Calibration Date: 3/9

Calibration Solution	Instrument Reading	
0.0	0.38	NTU
10.0	10.8	NTU
20.0	21.6	NTU

Calibration Date: 3/10

Calibration Solution	Instrument Reading	
0.0	0.75	NTU
10.0	10.6	NTU
20.0	22.6	NTU

Calibration Date: 3/14

Calibration Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibration Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibration Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

ATLANTIC COAST CONSULTING, INC.

Daily Instrument Calibration Log

SITE: Pine Wynyer Landfill
TECHNICIAN: J. Bethel

WATER LEVEL: Solinst
WATER LEVEL S/N: 261304

INSTRUMENT S/N: 714293
INSTRUMENT TYPE: AquaTroll

CAL. SOLUTIONS:

ID	LOT #	EXP. DATE
pH 4	2107493	7/22
pH 7	2101094	8/22
pH 10	2106092 9	6/22
Cond	7601998	8/22
ORP	2114041	8/22

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

Calibration Date: 5/17/22

RDO: 100% sat. = 96.9				*Midday pH check*
PH:	4.00 = 4.26	7.00 = 7.45	10.00 = 10.05	7.0 = 7.05
PH Recal (if needed):	4.00 = 4.20	7.00 = 7.08	10.00 = 10.09	7.0= 7.01 post recal check
CONDUCTIVITY:	1413 = 1556			
ORP (mV):	228 = 217.7			

Calibration Date: 5/18/22 S/N: 714302

RDO: 100% sat. = 99.3				*Midday pH check*
PH:	4.00 = 4.20	7.00 = 7.12	10.00 = 9.98	7.0 = 7.07
PH Recal (if needed):	4.00 = 4.00	7.00 = 7.06	10.00 = 10.08	7.0= 7.02 post recal check
CONDUCTIVITY:	1413 = 1657			
ORP (mV):	228 = 217.0			

Calibration Date: 5/19/22 - S/N: 714294

RDO: 100% sat. = 100.3				*Midday pH check*
PH:	4.00 = 4.23	7.00 = 7.36	10.00 = 10.07	7.0 = 7.03
PH Recal (if needed):	4.00 =	7.00 =	10.00 =	7.0= post recal check
CONDUCTIVITY:	1413 = 1667			
ORP (mV):	228 = 214			

Calibration Date:

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

Calibration Date:

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

ATLANTIC COAST CONSULTING, INC.

Daily Instrument Calibration Log

SITE: Plant Wansley

TECHNICIAN: [illegible]

INSTRUMENT S/N: 16040C049767

INSTRUMENT TYPE: Hach 2100Q

CAL. SOLUTION:

0 NTU - LOT # N/A	EXP. DATE: 08/10
10 NTU - LOT # A1615	EXP. DATE: 4/22
20 NTU - LOT # A1615	EXP. DATE: 4/23

Calibration Date: 5/8/22

Calibation Solution	Instrument Reading	
0.0	0.29	NTU
10.0	9.80	NTU
20.0	19.9	NTU

Calibration Date: 5/9/22

Calibation Solution	Instrument Reading	
0.0	0.38	NTU
10.0	9.74	NTU
20.0	19.7	NTU

Calibration Date:

Calibation Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibation Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibation Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibation Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

ATLANTIC COAST CONSULTING, INC.

Daily Instrument Calibration Log

SITE: Plant Hamsley

TECHNICIAN: M. Auld

WATER LEVEL: Solinst

WATER LEVEL S/N: 49832

INSTRUMENT S/N: 728634

INSTRUMENT TYPE: AquaTroll

CAL. SOLUTIONS:

ID	LOT #	EXP. DATE
pH 4	1GH1124	08/23
pH 7	21080195	06/22
pH 10	21070839	06/22
ORP	21140491	08/22
Cond. 1413	1GH1916	08/22

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

Calibration Date: 3-1-22

RDO: 100% sat. = 107.50

PH: 4.00 = 4.01 7.00 = 6.95 10.00 = 9.83

Midday pH check 7.0 = NP

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

CONDUCTIVITY: 1413 = 1365

ORP (mV): 228 = 230

Calibration Date: 3-2-22

RDO: 100% sat. = 95.11

PH: 4.00 = 3.95 7.00 = 7.03 10.00 = 10.04

Midday pH check 7.0 = 7.07

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

CONDUCTIVITY: 1413 = 1463

ORP (mV): 228 = 249

Calibration Date: 3-3-22

RDO: 100% sat. = 122

PH: 4.00 = 4.04 7.00 = 7.05 10.00 = 10.05

Midday pH check 7.0 = 7.02

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

CONDUCTIVITY: 1413 = 1310

ORP (mV): 228 = 232

Calibration Date: 3-7-22

RDO: 100% sat. = 83

PH: 4.00 = 4.02 7.00 = 7.04 10.00 = 10.06

Midday pH check 7.0 = 7.01

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

CONDUCTIVITY: 1413 = 1523

ORP (mV): 228 = 251

Calibration Date: 3-8-22

RDO: 100% sat. = 98.5

PH: 4.00 = 4.00 7.00 = 7.01 10.00 = 10.07

Midday pH check 7.0 = 7.04

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

CONDUCTIVITY: 1413 = 1459

ORP (mV): 228 = 251

ATLANTIC COAST CONSULTING, INC.

Daily Instrument Calibration Log

SITE: Plant Wansley LF

TECHNICIAN: H. Antel

WATER LEVEL: Solinst

WATER LEVEL S/N: 48632

INSTRUMENT S/N: 778634

INSTRUMENT TYPE: AquaTroll

CAL. SOLUTIONS:

ID	LOT #	EXP. DATE
pH 4	1641134	08/23
pH 7	21030138	6/22
pH 10	21030139	6/22
ORP	2115141	4/22
Cond.	1201998	6/22

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

Calibration Date: 3-7-22

RDO: 100% sat. = 102%

PH: 4.00 = 4.04 | 7.00 = 7.08 | 10.00 = 10.08 | *Midday pH check* 7.0 = NA / half day

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

CONDUCTIVITY: 1413 = 1411

ORP (mV): 228 = 245.5

Calibration Date:

RDO: 100% sat. =

PH: 4.00 = | 7.00 = | 10.00 = | *Midday pH check* 7.0 =

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

CONDUCTIVITY: =

ORP (mV): =

Calibration Date:

RDO: 100% sat. =

PH: 4.00 = | 7.00 = | 10.00 = | *Midday pH check* 7.0 =

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

CONDUCTIVITY: =

ORP (mV): =

Calibration Date:

RDO: 100% sat. =

PH: 4.00 = | 7.00 = | 10.00 = | *Midday pH check* 7.0 =

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

CONDUCTIVITY: =

ORP (mV): =

Calibration Date:

RDO: 100% sat. =

PH: 4.00 = | 7.00 = | 10.00 = | *Midday pH check* 7.0 =

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

CONDUCTIVITY: =

ORP (mV): =

Daily Instrument Calibration Log

SITE: Plant Wansley

TECHNICIAN: H. Reid

INSTRUMENT S/N: 12050C013682

INSTRUMENT TYPE: Hach 2100Q

CAL. SOLUTION:

0 NTU - LOT #	N/A	EXP. DATE:	N/A
10 NTU - LOT #	A1066	EXP. DATE:	9/22
20 NTU - LOT #	A1013	EXP. DATE:	4/22

Calibration Date: 3-1-22

Calibration Solution	Instrument Reading	
0.0	0.2	NTU
10.0	10.2	NTU
20.0	19.7	NTU

Calibration Date: 3-2-22

Calibration Solution	Instrument Reading	
0.0	0.2	NTU
10.0	9.3	NTU
20.0	19.1	NTU

Calibration Date: 3-3-22

Calibration Solution	Instrument Reading	
0.0	0.3	NTU
10.0	9.78	NTU
20.0	19.2	NTU

Calibration Date: 3-7-22

Calibration Solution	Instrument Reading	
0.0	0.2	NTU
10.0	9.9	NTU
20.0	19.5	NTU

Calibration Date: 3-8-22

Calibration Solution	Instrument Reading	
0.0	0.3	NTU
10.0	9.6	NTU
20.0	20.2	NTU

Calibration Date:

Calibration Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Daily Instrument Calibration Log

SITE: Plant Wansley

TECHNICIAN: H. Antal

INSTRUMENT S/N: 12050C107682

INSTRUMENT TYPE: Hach 2100Q

CAL. SOLUTION:
- 0 NTU - LOT # N/A EXP. DATE: N/A
- 10 NTU - LOT # A1062 EXP. DATE: 4/22
- 20 NTU - LOT # A1013 EXP. DATE: 4/22

Calibration Date: 3-9-22

Calibration Solution	Instrument Reading	
0.0	0.1	NTU
10.0	9.7	NTU
20.0	19.7	NTU

Calibration Date:

Calibration Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibration Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibration Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibration Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibration Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

APPENDIX A

Well Inspection Forms
March 2022 Monitoring Event

Plant Wansley Landfill
February 2022 Well Inspection Form

Permit No.: 074-005D(LI)

1 - Location/Identification		GWA-1	GWA-2	GWA-3	GWA-4	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9	GWC-10	GWC-11	GWC-12
a	Is the well visible and accessible?	YES	YES	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	YES	YES
c	Does the well require protection from traffic?	NO	NO	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	YES	YES

2 - Protective Outer Casing		GWA-1	GWA-2	GWA-3	GWA-4	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9	GWC-10	GWC-11	GWC-12
a	Is the protective casing free from apparent damage?	YES	YES	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	YES	YES
c	Does the casing have a functioning weep hole?	YES	YES	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	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	YES	YES

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

Plant Wansley Landfill
February 2022 Well Inspection Form

Permit No.: 074-005D(LI)

3 - Surface Pad		GWA-1	GWA-2	GWA-3	GWA-4	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9	GWC-10	GWC-11	GWC-12
a	Is the well pad in good condition? (Not cracked or broken)	YES	YES	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	YES	YES
c	Is the well pad in complete contact with the protective casing?	YES	YES	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	YES	YES
e	Is the pad surface clean? (Not covered by soil or debris)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

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

Plant Wansley Landfill
February 2022 Well Inspection Form

Permit No.: 074-005D(LI)

4 - Internal Well Casing		GWA-1	GWA-2	GWA-3	GWA-4	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9	GWC-10	GWC-11	GWC-12
a	Does the well cap prevent entry of foreign material into the well?	YES	YES	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	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	YES	YES
d	Is the survey point clearly marked on the inner casing?	YES	YES	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	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	NO	NO

5 - Sampling (Groundwater Monitoring Wells Only):		GWA-1	GWA-2	GWA-3	GWA-4	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9	GWC-10	GWC-11	GWC-12
a	Does the well recharge adequately when purged?	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
b	If dedicated sampling equipment is installed, is it in good condition?	N/A	YES	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	NO	NO

NOTE: N/A - Not Applicable; Form Derived from "Georgia EPD's Groundwater Monitoring Well Integrity Form".

Plant Wansley Landfill
February 2022 Well Inspection Form

Permit No.: 074-005D(LI)

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

	GWA-1	GWA-2	GWA-3	GWA-4	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9	GWC-10	GWC-11	GWC-12
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	YES	YES

7 - Corrective actions completed and date(s):

Staff: A. Schnittker
Date: 2/28/2022

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

Plant Wansley Landfill
February 2022 Well Inspection Form

Permit No.: 074-005D(LI)

1 - Location/Identification		GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	GWC-22	GWC-23	GWC-24
a	Is the well visible and accessible?	YES	YES	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	YES	YES
c	Does the well require protection from traffic?	NO	NO	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	YES	YES

2 - Protective Outer Casing		GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	GWC-22	GWC-23	GWC-24
a	Is the protective casing free from apparent damage?	YES	YES	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	YES	YES
c	Does the casing have a functioning weep hole?	YES	YES	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	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	YES	YES

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

Plant Wansley Landfill
February 2022 Well Inspection Form

Permit No.: 074-005D(LI)

3 - Surface Pad		GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	GWC-22	GWC-23	GWC-24
a	Is the well pad in good condition? (Not cracked or broken)	YES	YES	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	YES	YES
c	Is the well pad in complete contact with the protective casing?	YES	YES	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	YES	YES
e	Is the pad surface clean? (Not covered by soil or debris)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

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

Plant Wansley Landfill
February 2022 Well Inspection Form

Permit No.: 074-005D(LI)

4 - Internal Well Casing		GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	GWC-22	GWC-23	GWC-24
a	Does the well cap prevent entry of foreign material into the well?	YES	YES	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	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	YES	YES
d	Is the survey point clearly marked on the inner casing?	YES	YES	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	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	NO	NO

5 - Sampling (Groundwater Monitoring Wells Only):		GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	GWC-22	GWC-23	GWC-24
a	Does the well recharge adequately when purged?	YES	YES	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	YES	YES
c	Does the well require redevelopment due to slow recharge or turbidity > 10 NTUs?	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO

NOTE: N/A - Not Applicable; Form Derived from "Georgia EPD's Groundwater Monitoring Well Integrity Form".

Plant Wansley Landfill
February 2022 Well Inspection Form

Permit No.: 074-005D(LI)

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

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	GWC-22	GWC-23	GWC-24
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	YES	YES

7 - Corrective actions completed and date(s):

Staff: A. Schnittker
Date: 2/28/2022

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

Plant Wansley Landfill
February 2022 Well Inspection Form

Permit No.: 074-005D(LI)

1 - Location/Identification		GWC-25	GWC-26	GWC-27	GWA-28	GWA-29	GWC-30	GWC-31	GWC-32	GWC-33	GWC-34	GWC-35
a	Is the well visible and accessible?	YES	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	YES
c	Does the well require protection from traffic?	NO	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	YES

2 - Protective Outer Casing		GWC-25	GWC-26	GWC-27	GWA-28	GWA-29	GWC-30	GWC-31	GWC-32	GWC-33	GWC-34	GWC-35
a	Is the protective casing free from apparent damage?	YES	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	YES
c	Does the casing have a functioning weep hole?	YES	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	YES
e	Is the well locked, and is the lock in good working condition?	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

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

Plant Wansley Landfill
February 2022 Well Inspection Form

Permit No.: 074-005D(LI)

3 - Surface Pad		GWC-25	GWC-26	GWC-27	GWA-28	GWA-29	GWC-30	GWC-31	GWC-32	GWC-33	GWC-34	GWC-35
a	Is the well pad in good condition? (Not cracked or broken)	YES	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	YES
c	Is the well pad in complete contact with the protective casing?	YES	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	YES
e	Is the pad surface clean? (Not covered by soil or debris)	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES

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

Plant Wansley Landfill
February 2022 Well Inspection Form

Permit No.: 074-005D(LI)

4 - Internal Well Casing		GWC-25	GWC-26	GWC-27	GWA-28	GWA-29	GWC-30	GWC-31	GWC-32	GWC-33	GWC-34	GWC-35
a	Does the well cap prevent entry of foreign material into the well?	YES	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	YES
c	Does the well have a venting hole near the top of casing?	YES	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	YES
e	Is the depth of the well consistent with the original well log?	YES	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	NO

5 - Sampling (Groundwater Monitoring Wells Only):		GWC-25	GWC-26	GWC-27	GWA-28	GWA-29	GWC-30	GWC-31	GWC-32	GWC-33	GWC-34	GWC-35
a	Does the well recharge adequately when purged?	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES	YES
b	If dedicated sampling equipment is installed, is it in good condition?	YES	YES	YES	N/A	YES	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	NO

NOTE: N/A - Not Applicable; Form Derived from "Georgia EPD's Groundwater Monitoring Well Integrity Form".

Plant Wansley Landfill
February 2022 Well Inspection Form

Permit No.: 074-005D(LI)

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

	GWC-25	GWC-26	GWC-27	GWA-28	GWA-29	GWC-30	GWC-31	GWC-32	GWC-33	GWC-34	GWC-35
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	YES

Staff: A. Schnittker
Date: 2/28/2022

7 - Corrective actions completed and date(s):

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

APPENDIX A

Laboratory Analytical Reports
May 2022 Verification Event

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 180-137749-1
Client Project/Site: Plant Wansley Landfill

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

Attn: Kristen N Jurinko

Authorized for release by:
5/20/2022 7:13:40 PM

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

Links

Review your project results through EOL

Have a Question? Ask The Expert

Visit us at: www.eurofinsus.com/Env

PA Lab ID: 02-00416

Table of Contents

Cover Page 1
Table of Contents 2
Case Narrative 3
Definitions/Glossary 4
Certification Summary 5
Sample Summary 6
Method Summary 7
Lab Chronicle 8
Client Sample Results 11
QC Sample Results 19
QC Association Summary 21
Chain of Custody 23
Receipt Checklists 24

Case Narrative

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-137749-1

Job ID: 180-137749-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-137749-1

Receipt
The samples were received on 5/6/2022 9:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 3.2°C

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

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

Definitions/Glossary

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-137749-1

Qualifiers

Metals

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

Glossary

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

Accreditation/Certification Summary

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-137749-1

Laboratory: Eurofins Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-22
California	State	2891	04-30-22 *
Connecticut	State	PH-0688	09-30-22
Florida	NELAP	E871008	06-30-22
Georgia	State	PA 02-00416	04-30-23
Illinois	NELAP	004375	06-30-22
Kansas	NELAP	E-10350	03-31-23
Kentucky (UST)	State	162013	04-30-22 *
Kentucky (WW)	State	KY98043	12-31-22
Louisiana	NELAP	04041	06-30-22
Maine	State	PA00164	03-06-24
Minnesota	NELAP	042-999-482	12-31-22
Nevada	State	PA00164	08-31-22
New Hampshire	NELAP	2030	04-04-23
New Jersey	NELAP	PA005	06-30-23
New York	NELAP	11182	04-01-23
North Carolina (WW/SW)	State	434	12-31-22
North Dakota	State	R-227	04-30-22 *
Oregon	NELAP	PA-2151	02-07-23
Pennsylvania	NELAP	02-00416	04-30-23
Rhode Island	State	LAO00362	12-31-21 *
South Carolina	State	89014	06-30-22
Texas	NELAP	T104704528	03-31-23
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Utah	NELAP	PA001462019-8	05-31-22
Virginia	NELAP	10043	09-15-22
West Virginia DEP	State	142	01-31-23
Wisconsin	State	998027800	08-31-22

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

Sample Summary

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-137749-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-137749-1	GWC-12	Ground Water	05/03/22 16:16	05/06/22 09:30
180-137749-2	GWC-14	Ground Water	05/03/22 14:30	05/06/22 09:30
180-137749-3	GWC-15	Ground Water	05/04/22 15:30	05/06/22 09:30
180-137749-4	GWC-17	Ground Water	05/04/22 11:30	05/06/22 09:30
180-137749-5	GWC-19	Ground Water	05/04/22 14:35	05/06/22 09:30
180-137749-6	GWC-22	Ground Water	05/04/22 15:30	05/06/22 09:30
180-137749-7	GWC-31	Ground Water	05/04/22 11:11	05/06/22 09:30
180-137749-8	GWC-33	Ground Water	05/04/22 14:10	05/06/22 09:30

Method Summary

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-137749-1

Method	Method Description	Protocol	Laboratory
EPA 6020B	Metals (ICP/MS)	SW846	TAL PIT
EPA 7470A	Mercury (CVAA)	SW846	TAL PIT
Field Sampling	Field Sampling	EPA	TAL PIT
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	TAL PIT
7470A	Preparation, Mercury	SW846	TAL PIT

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-137749-1

Client Sample ID: GWC-12
Date Collected: 05/03/22 16:16
Date Received: 05/06/22 09:30

Lab Sample ID: 180-137749-1
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	25 mL	398944	05/16/22 11:54	NAF	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			399443	05/19/22 13:37	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Analysis	Field Sampling		1			398107	05/03/22 16:16	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-14
Date Collected: 05/03/22 14:30
Date Received: 05/06/22 09:30

Lab Sample ID: 180-137749-2
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	25 mL	398944	05/16/22 11:54	NAF	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			399443	05/19/22 13:40	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Prep	7470A			50 mL	50 mL	399384	05/19/22 12:46	RJR	TAL PIT
Total/NA	Analysis	EPA 7470A		1			399476	05/20/22 09:54	RJR	TAL PIT
	Instrument ID: HGY									
Total/NA	Analysis	Field Sampling		1			398107	05/03/22 14:30	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-15
Date Collected: 05/04/22 15:30
Date Received: 05/06/22 09:30

Lab Sample ID: 180-137749-3
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	25 mL	398944	05/16/22 11:54	NAF	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			399443	05/19/22 13:42	RSK	TAL PIT
	Instrument ID: NEMO									
Total/NA	Analysis	Field Sampling		1			398107	05/04/22 15:30	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-17
Date Collected: 05/04/22 11:30
Date Received: 05/06/22 09:30

Lab Sample ID: 180-137749-4
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	25 mL	399055	05/17/22 10:08	EMR	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			399450	05/19/22 18:15	RSK	TAL PIT
	Instrument ID: DORY									
Total/NA	Analysis	Field Sampling		1			398107	05/04/22 11:30	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-137749-1

Client Sample ID: GWC-19
Date Collected: 05/04/22 14:35
Date Received: 05/06/22 09:30

Lab Sample ID: 180-137749-5
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	25 mL	399055	05/17/22 10:08	EMR	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			399450	05/19/22 18:19	RSK	TAL PIT
	Instrument ID: DORY									
Total/NA	Analysis	Field Sampling		1			398107	05/04/22 14:35	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-22
Date Collected: 05/04/22 15:30
Date Received: 05/06/22 09:30

Lab Sample ID: 180-137749-6
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	25 mL	399055	05/17/22 10:08	EMR	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			399450	05/19/22 18:22	RSK	TAL PIT
	Instrument ID: DORY									
Total/NA	Analysis	Field Sampling		1			398107	05/04/22 15:30	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-31
Date Collected: 05/04/22 11:11
Date Received: 05/06/22 09:30

Lab Sample ID: 180-137749-7
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	25 mL	399055	05/17/22 10:08	EMR	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			399450	05/19/22 18:26	RSK	TAL PIT
	Instrument ID: DORY									
Total/NA	Analysis	Field Sampling		1			398107	05/04/22 11:11	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Client Sample ID: GWC-33
Date Collected: 05/04/22 14:10
Date Received: 05/06/22 09:30

Lab Sample ID: 180-137749-8
Matrix: Ground Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	25 mL	399055	05/17/22 10:08	EMR	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			399450	05/19/22 18:29	RSK	TAL PIT
	Instrument ID: DORY									
Total/NA	Analysis	Field Sampling		1			398107	05/04/22 14:10	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Laboratory References:

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

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-137749-1

Analyst References:

Lab: TAL PIT

- Batch Type: Prep
  - EMR = Elizabeth Rarick
  - NAF = Nicholas Frankos
  - RJR = Ron Rosenbaum
- Batch Type: Analysis
  - FDS = Sampler Field
  - RJR = Ron Rosenbaum
  - RSK = Robert Kurtz

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-137749-1

Client Sample ID: GWC-12

Date Collected: 05/03/22 16:16
Date Received: 05/06/22 09:30

Lab Sample ID: 180-137749-1

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.075	J	0.080	0.060	mg/L		05/16/22 11:54	05/19/22 13:37	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	7.34				SU			05/03/22 16:16	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-137749-1

Client Sample ID: GWC-14

Date Collected: 05/03/22 14:30
Date Received: 05/06/22 09:30

Lab Sample ID: 180-137749-2

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	**1.3**		0.080	0.060	mg/L		05/16/22 11:54	05/19/22 13:40	1
Zinc	**0.040**		0.0050	0.0029	mg/L		05/16/22 11:54	05/19/22 13:40	1

Method: EPA 7470A - Mercury (CVAA)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		05/19/22 12:46	05/20/22 09:54	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	**5.27**				SU			05/03/22 14:30	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-137749-1

Client Sample ID: GWC-15

Date Collected: 05/04/22 15:30
Date Received: 05/06/22 09:30

Lab Sample ID: 180-137749-3

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.13		0.080	0.060	mg/L		05/16/22 11:54	05/19/22 13:42	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.51				SU			05/04/22 15:30	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-137749-1

Client Sample ID: GWC-17

Date Collected: 05/04/22 11:30
Date Received: 05/06/22 09:30

Lab Sample ID: 180-137749-4

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	0.0031		0.0010	0.00078	mg/L		05/17/22 10:08	05/19/22 18:15	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.08				SU			05/04/22 11:30	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-137749-1

Client Sample ID: GWC-19

Date Collected: 05/04/22 14:35
Date Received: 05/06/22 09:30

Lab Sample ID: 180-137749-5

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	<0.00078		0.0010	0.00078	mg/L		05/17/22 10:08	05/19/22 18:19	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	5.72				SU			05/04/22 14:35	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-137749-1

Client Sample ID: GWC-22

Date Collected: 05/04/22 15:30
Date Received: 05/06/22 09:30

Lab Sample ID: 180-137749-6

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	0.0082		0.0010	0.00078	mg/L		05/17/22 10:08	05/19/22 18:22	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.41				SU			05/04/22 15:30	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-137749-1

Client Sample ID: GWC-31

Date Collected: 05/04/22 11:11
Date Received: 05/06/22 09:30

Lab Sample ID: 180-137749-7

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	0.00084	J	0.0010	0.00078	mg/L		05/17/22 10:08	05/19/22 18:26	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.19				SU			05/04/22 11:11	1

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-137749-1

Client Sample ID: GWC-33

Date Collected: 05/04/22 14:10
Date Received: 05/06/22 09:30

Lab Sample ID: 180-137749-8

Matrix: Ground Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	0.022		0.0050	0.0029	mg/L		05/17/22 10:08	05/19/22 18:29	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.67				SU			05/04/22 14:10	1

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

Lab Sample ID: MB 180-398944/1-A
Matrix: Water
Analysis Batch: 399443

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 398944

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.060		0.080	0.060	mg/L		05/16/22 11:54	05/19/22 12:39	1
Zinc	<0.0029		0.0050	0.0029	mg/L		05/16/22 11:54	05/19/22 12:39	1

Lab Sample ID: LCS 180-398944/2-A
Matrix: Water
Analysis Batch: 399443

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 398944

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	1.25	1.24		mg/L		99	80 - 120
Zinc	0.250	0.259		mg/L		104	80 - 120

Lab Sample ID: MB 180-399055/1-A
Matrix: Water
Analysis Batch: 399450

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 399055

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Vanadium	<0.00078		0.0010	0.00078	mg/L		05/17/22 10:08	05/19/22 19:18	1
Zinc	<0.0029		0.0050	0.0029	mg/L		05/17/22 10:08	05/19/22 19:18	1

Lab Sample ID: LCS 180-399055/2-A
Matrix: Water
Analysis Batch: 399450

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 399055

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vanadium	0.500	0.480		mg/L		96	80 - 120
Zinc	0.250	0.248		mg/L		99	80 - 120

Lab Sample ID: 180-137749-8 MS
Matrix: Ground Water
Analysis Batch: 399450

Client Sample ID: GWC-33
Prep Type: Total Recoverable
Prep Batch: 399055

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Vanadium	<0.00078		0.500	0.484		mg/L		97	75 - 125
Zinc	0.022		0.250	0.263		mg/L		97	75 - 125

Lab Sample ID: 180-137749-8 MSD
Matrix: Ground Water
Analysis Batch: 399450

Client Sample ID: GWC-33
Prep Type: Total Recoverable
Prep Batch: 399055

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Vanadium	<0.00078		0.500	0.481		mg/L		96	75 - 125	1	20
Zinc	0.022		0.250	0.261		mg/L		96	75 - 125	1	20

Method: EPA 7470A - Mercury (CVAA)

Lab Sample ID: MB 180-399384/1-A
Matrix: Water
Analysis Batch: 399476

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 399384

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.00013		0.00020	0.00013	mg/L		05/19/22 12:46	05/20/22 09:40	1

Lab Sample ID: LCS 180-399384/2-A
Matrix: Water
Analysis Batch: 399476

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 399384

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00277		mg/L		111	80 - 120

Metals

Prep Batch: 398944

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-137749-1	GWC-12	Total Recoverable	Ground Water	3005A	
180-137749-2	GWC-14	Total Recoverable	Ground Water	3005A	
180-137749-3	GWC-15	Total Recoverable	Ground Water	3005A	
MB 180-398944/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-398944/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Prep Batch: 399055

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-137749-4	GWC-17	Total Recoverable	Ground Water	3005A	
180-137749-5	GWC-19	Total Recoverable	Ground Water	3005A	
180-137749-6	GWC-22	Total Recoverable	Ground Water	3005A	
180-137749-7	GWC-31	Total Recoverable	Ground Water	3005A	
180-137749-8	GWC-33	Total Recoverable	Ground Water	3005A	
MB 180-399055/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-399055/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
180-137749-8 MS	GWC-33	Total Recoverable	Ground Water	3005A	
180-137749-8 MSD	GWC-33	Total Recoverable	Ground Water	3005A	

Prep Batch: 399384

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-137749-2	GWC-14	Total/NA	Ground Water	7470A	
MB 180-399384/1-A	Method Blank	Total/NA	Water	7470A	
LCS 180-399384/2-A	Lab Control Sample	Total/NA	Water	7470A	

Analysis Batch: 399443

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-137749-1	GWC-12	Total Recoverable	Ground Water	EPA 6020B	398944
180-137749-2	GWC-14	Total Recoverable	Ground Water	EPA 6020B	398944
180-137749-3	GWC-15	Total Recoverable	Ground Water	EPA 6020B	398944
MB 180-398944/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	398944
LCS 180-398944/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	398944

Analysis Batch: 399450

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-137749-4	GWC-17	Total Recoverable	Ground Water	EPA 6020B	399055
180-137749-5	GWC-19	Total Recoverable	Ground Water	EPA 6020B	399055
180-137749-6	GWC-22	Total Recoverable	Ground Water	EPA 6020B	399055
180-137749-7	GWC-31	Total Recoverable	Ground Water	EPA 6020B	399055
180-137749-8	GWC-33	Total Recoverable	Ground Water	EPA 6020B	399055
MB 180-399055/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	399055
LCS 180-399055/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	399055
180-137749-8 MS	GWC-33	Total Recoverable	Ground Water	EPA 6020B	399055
180-137749-8 MSD	GWC-33	Total Recoverable	Ground Water	EPA 6020B	399055

Analysis Batch: 399476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-137749-2	GWC-14	Total/NA	Ground Water	EPA 7470A	399384
MB 180-399384/1-A	Method Blank	Total/NA	Water	EPA 7470A	399384
LCS 180-399384/2-A	Lab Control Sample	Total/NA	Water	EPA 7470A	399384

QC Association Summary

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-137749-1

Field Service / Mobile Lab

Analysis Batch: 398107

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-137749-1	GWC-12	Total/NA	Ground Water	Field Sampling	
180-137749-2	GWC-14	Total/NA	Ground Water	Field Sampling	
180-137749-3	GWC-15	Total/NA	Ground Water	Field Sampling	
180-137749-4	GWC-17	Total/NA	Ground Water	Field Sampling	
180-137749-5	GWC-19	Total/NA	Ground Water	Field Sampling	
180-137749-6	GWC-22	Total/NA	Ground Water	Field Sampling	
180-137749-7	GWC-31	Total/NA	Ground Water	Field Sampling	
180-137749-8	GWC-33	Total/NA	Ground 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

244- ATLANTA

Eurofins Environment Testing America

Client Information	Sampler: J. Bonikowski, A. Schmitthaer	Lab PM: Brown, Shali	Carrier Tracking No(s):	COC No:
Client Contact: SCS Contacts	Phone: 770-594-5993	E-Mail: shali.brown@eurofinset.com		Page:
Company: GA Power				
Address: 241 Ralph McGill Blvd SE	Due Date Requested:			
City: Atlanta	TAT Requested (days):			
State, Zip: GA, 30308				
Phone: 404-506-7116(Tel)	PO #:			
Email: SCS Contacts	WO #:			
Project Name: CCR - Plant Wansley Landfill	Project #: 18019922			
Site:	SSOW#:			

180-137749 Chain of Custody

Analysis Requested

244- ATLANTA

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)	Boron	Mercury	Vanadium	Zinc	Total Number of containers	Special Instructions/Note:
			Preservation Code:				D	D	D	D		
GWC-12	5/3/22	1616	G	Water	N	N	X					pH= 7.34
GWC-14	5/3/22	1430	G	Water	N	N	X	X		X		pH= 5.27
GWC-15	5/4/22	1530	G	Water	N	N	X					pH= 6.51
GWC-17	5/4/22	1130	G	Water	N	N			X			pH= 6.08
GWC-19	5/4/22	1435	G	Water	N	N			X			pH= 5.72
GWC-22	5/4/22	1530	G	Water	N	N			X			pH= 6.41
GWC-31	5/4/22	1111	G	Water	N	N			X			pH= 6.19
GWC-33	5/4/22	1410	G	Water	N	N				X		pH= 6.67
												pH=
												pH=
												pH=

F - MeOH; G - Amchlor; H - Ascorbic Acid; I - Ice; J - DI Water; K - EDTA; L - EDA; R - Na2S2O3; S - H2SO4; T - TSP Dodecahydrate; U - Acetone; V - MCAA; W - pH 4-5; Z - other (specify); Other:

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]	5/5/22 0906	AEC	Michael Markel	5-5-22 9:06	
2	Michael Markel	5/5/22 9:06		D Watson	5-6-22 9:30	
3						

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: 180-137749-1

Login Number: 137749
List Number: 1
Creator: Watson, Debbie

List Source: Eurofins Pittsburgh

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

APPENDIX A

Laboratory Data Validations
May 2022 Verification Event

LEVEL 2A LABORATORY DATA VALIDATIONS

Plant Wansley Landfill

Verification Event

May 2022

Georgia Power Company – Plant Wansley Landfill

Quality Control Review of Analytical Data – May 2022

This narrative presents results of the Quality Control (QC) data review performed on analytical data submitted by Eurofins Environment Testing America, Pittsburgh for groundwater samples collected at Plant Wansley Landfill (LF) between May 3, 2022 and May 4, 2022. The chemical data were reviewed to identify quality issues which could affect the use of the data for decision-making purposes.

Information regarding the primary sample locations, analytical parameters, QC samples, sampling dates, and laboratory sample delivery group (SDG) designations is summarized in Table 1 of this Appendix. SDG 180-137749 presents data from a verification event conducted to further assess previously-reported data for select metals analytes.

In accordance with groundwater monitoring and corrective action procedures discussed in Title 40 Code of Federal Regulations (CFR), Subpart D – Standards for the Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments, the samples were analyzed for specified detection monitoring constituents listed in 40 CFR, Part 257, Appendix III and specified assessment monitoring constituents listed in 40 CFR, Part 257, Appendix IV, as appropriate. Test methods included Inductively Coupled Plasma – Mass Spectrometry (USEPA Method 6020B) and Mercury in Liquid Wastes (USEPA Method 7470A).

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

DATA QUALITY OBJECTIVES

Laboratory Precision: Laboratory goals for precision were met.

Field Precision: Field goals for precision were met.

Accuracy: Laboratory goals for accuracy were met.

Detection Limits: Project goals for detection limits were met.

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

Holding Times: Holding time requirements were met.

QUALIFICATIONS

In general, chemical results for the samples collected at the site were qualified on the basis of low precision or low accuracy or on the basis of professional judgment. The following definitions provide brief explanations of the qualifiers which may have been assigned to data by the laboratory during the validation process:

J: The analyte was positively identified above the method detection limit; however, the associated numerical value is the approximate concentration of the analyte in the sample.

ND: The analyte was not detected above the method detection limit.

The data generated as part of this sampling event met the QC criteria established in the respective analytical methods and data validation guidelines.

Atlantic Coast Consulting, Inc. reviewed the laboratory data from the Plant Wansley LF sampled between May 3, 2022 and May 4, 2022 in accordance with the analytical methods, the laboratory-specified QC criteria, and the guidelines. As described above, the results were acceptable for project use.

REFERENCES

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

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

TABLE 1

Georgia Power Company – Plant Wansley Landfill

Sample Summary Table – May 2022

						Analyses		
SDG	Field Identification	Collection Date	Lab Identification	Matrix	QC Samples	Metals (6020, 7470A)	Anions (300.0)	TDS (SM 2540C)
137749	GWC-12	5/3/2022	180-137749-1	GW		X		
137749	GWC-14	5/3/2022	180-137749-2	GW		X		
137749	GWC-15	5/4/2022	180-137749-3	GW		X		
137749	GWC-17	5/4/2022	180-137749-4	GW		X		
137749	GWC-19	5/4/2022	180-137749-5	GW		X		
137749	GWC-22	5/4/2022	180-137749-6	GW		X		
137749	GWC-31	5/4/2022	180-137749-7	GW		X		
137749	GWC-33	5/4/2022	180-137749-8	GW		X		

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

APPENDIX A

Field Sampling Reports
May 2022 Verification Event

Low-Flow Test Report:

Test Date / Time: 5/3/2022 3:11:32 PM
Project: Plant Wansley Landfill
Operator Name: J Berisford

Location Name: GWC-12 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 30.54 ft** **Total Depth: 40.54 ft** **Initial Depth to Water: 26.71 ft**	**Pump Type: Peri pump** **Tubing Type: Poly** **Pump Intake From TOC: 35 ft** **Estimated Total Volume Pumped: 6.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min** **Final Draw Down: 37 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 714293**

Test Notes:
Sunny, 80s, sample time 1616

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 300	+/- 0.3	
5/3/2022 3:11 PM	00:00	6.64 pH	23.36 °C	379.55 µS/cm	2.12 mg/L	13.00 NTU	37.8 mV	26.71 ft	100.00 ml/min
5/3/2022 3:16 PM	05:00	6.78 pH	23.08 °C	389.28 µS/cm	2.68 mg/L	10.00 NTU	30.3 mV	27.70 ft	100.00 ml/min
5/3/2022 3:21 PM	10:00	6.84 pH	22.81 °C	391.49 µS/cm	0.38 mg/L	8.51 NTU	10.5 mV	28.30 ft	100.00 ml/min
5/3/2022 3:26 PM	15:00	6.90 pH	23.04 °C	390.60 µS/cm	0.33 mg/L	9.61 NTU	-9.9 mV	28.90 ft	100.00 ml/min
5/3/2022 3:31 PM	20:00	6.94 pH	22.99 °C	391.32 µS/cm	0.33 mg/L	8.11 NTU	-27.1 mV	29.30 ft	100.00 ml/min
5/3/2022 3:36 PM	25:00	6.98 pH	23.41 °C	393.87 µS/cm	0.41 mg/L	7.84 NTU	-40.0 mV	29.40 ft	100.00 ml/min
5/3/2022 3:41 PM	30:00	7.04 pH	23.48 °C	389.59 µS/cm	0.54 mg/L	6.21 NTU	-46.6 mV	29.50 ft	100.00 ml/min
5/3/2022 3:46 PM	35:00	7.11 pH	23.48 °C	388.12 µS/cm	0.71 mg/L	5.96 NTU	-50.3 mV	29.60 ft	100.00 ml/min
5/3/2022 3:51 PM	40:00	7.15 pH	23.03 °C	388.54 µS/cm	0.95 mg/L	5.55 NTU	-51.7 mV	29.70 ft	100.00 ml/min
5/3/2022 3:56 PM	45:00	7.21 pH	23.24 °C	387.25 µS/cm	1.41 mg/L	4.81 NTU	-50.7 mV	29.70 ft	100.00 ml/min
5/3/2022 4:01 PM	50:00	7.28 pH	23.31 °C	321.29 µS/cm	1.75 mg/L	4.96 NTU	-48.3 mV	29.70 ft	100.00 ml/min
5/3/2022 4:06 PM	55:00	7.32 pH	23.55 °C	387.88 µS/cm	1.84 mg/L	4.73 NTU	-46.8 mV	29.70 ft	100.00 ml/min
5/3/2022 4:11 PM	01:00:00	7.34 pH	23.26 °C	387.45 µS/cm	1.83 mg/L	4.25 NTU	-45.7 mV	29.80 ft	100.00 ml/min
5/3/2022 4:16 PM	01:05:00	7.34 pH	23.52 °C	389.55 µS/cm	1.81 mg/L	3.30 NTU	-46.7 mV	29.80 ft	100.00 ml/min

Low-Flow Test Report:

Test Date / Time: 5/3/2022 1:20:12 PM
Project: Plant Wansley Landfill
Operator Name: J Berisford

Location Name: GWC-14 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 14.34 ft** **Total Depth: 24.34 ft** **Initial Depth to Water: 9.84 ft**	**Pump Type: Peri pump** **Tubing Type: Poly** **Pump Intake From TOC: 20 ft** **Estimated Total Volume Pumped: 14 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 3.12 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 714293**

Test Notes:
Sunny, 80s, sample time-1430

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 300	+/- 0.3	
5/3/2022 1:20 PM	00:00	5.75 pH	33.24 °C	527.82 µS/cm	5.61 mg/L	37.00 NTU	73.8 mV	9.84 ft	200.00 ml/min
5/3/2022 1:25 PM	05:00	5.27 pH	20.15 °C	601.20 µS/cm	0.41 mg/L	29.00 NTU	80.7 mV	10.10 ft	200.00 ml/min
5/3/2022 1:30 PM	10:00	5.21 pH	19.52 °C	619.12 µS/cm	0.17 mg/L	20.00 NTU	84.7 mV	10.10 ft	200.00 ml/min
5/3/2022 1:35 PM	15:00	5.18 pH	19.51 °C	630.86 µS/cm	0.14 mg/L	16.00 NTU	84.5 mV	10.10 ft	200.00 ml/min
5/3/2022 1:40 PM	20:00	5.17 pH	19.19 °C	632.99 µS/cm	0.13 mg/L	11.00 NTU	85.6 mV	10.10 ft	200.00 ml/min
5/3/2022 1:45 PM	25:00	5.18 pH	19.23 °C	633.26 µS/cm	0.13 mg/L	11.00 NTU	85.7 mV	10.10 ft	200.00 ml/min
5/3/2022 1:50 PM	30:00	5.20 pH	19.73 °C	620.58 µS/cm	0.11 mg/L	10.00 NTU	85.4 mV	10.10 ft	200.00 ml/min
5/3/2022 1:55 PM	35:00	5.40 pH	20.41 °C	521.69 µS/cm	0.11 mg/L	10.00 NTU	76.1 mV	10.10 ft	200.00 ml/min
5/3/2022 2:00 PM	40:00	5.32 pH	20.49 °C	578.53 µS/cm	0.10 mg/L	11.00 NTU	80.2 mV	10.10 ft	200.00 ml/min
5/3/2022 2:05 PM	45:00	5.29 pH	20.26 °C	593.68 µS/cm	0.11 mg/L	12.00 NTU	80.2 mV	10.10 ft	200.00 ml/min
5/3/2022 2:10 PM	50:00	5.16 pH	20.53 °C	630.72 µS/cm	0.10 mg/L	8.32 NTU	83.1 mV	10.10 ft	200.00 ml/min
5/3/2022 2:15 PM	55:00	5.27 pH	20.44 °C	592.75 µS/cm	0.09 mg/L	7.89 NTU	82.2 mV	10.10 ft	200.00 ml/min
5/3/2022 2:20 PM	01:00:00	5.24 pH	19.76 °C	598.38 µS/cm	0.09 mg/L	6.41 NTU	82.9 mV	10.10 ft	200.00 ml/min
5/3/2022 2:25 PM	01:05:00	5.21 pH	20.00 °C	610.39 µS/cm	0.09 mg/L	5.38 NTU	83.7 mV	10.10 ft	200.00 ml/min
5/3/2022 2:30 PM	01:10:00	5.27 pH	19.58 °C	592.11 µS/cm	0.09 mg/L	4.69 NTU	83.2 mV	10.10 ft	200.00 ml/min

Low-Flow Test Report:

Test Date / Time: 5/4/2022 2:55:39 PM
Project: Plant Wansley Landfill
Operator Name: Jordan Berisford

Location Name: GWC-15 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 41.06 ft** **Total Depth: 51.06 ft** **Initial Depth to Water: 6.63 ft**	**Pump Type: Peri pump** **Tubing Type: Poly** **Pump Intake From TOC: 46 ft** **Estimated Total Volume Pumped: 7 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 2 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 714293**

Test Notes:
Sunny, 80s, sample time-1530

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 100	+/- 10	+/- 0.3	
5/4/2022 2:55 PM	00:00	7.04 pH	44.43 °C	0.54 µS/cm	5.71 mg/L	6.42 NTU	59.4 mV	6.63 ft	200.00 ml/min
5/4/2022 3:00 PM	05:00	7.22 pH	21.04 °C	102.73 µS/cm	6.87 mg/L	2.29 NTU	69.9 mV	6.80 ft	200.00 ml/min
5/4/2022 3:05 PM	10:00	7.19 pH	19.95 °C	109.21 µS/cm	6.14 mg/L	1.20 NTU	68.4 mV	6.80 ft	200.00 ml/min
5/4/2022 3:10 PM	15:00	7.01 pH	19.55 °C	113.28 µS/cm	4.00 mg/L	1.83 NTU	68.8 mV	6.80 ft	200.00 ml/min
5/4/2022 3:15 PM	20:00	6.74 pH	19.48 °C	125.57 µS/cm	3.87 mg/L	1.25 NTU	72.9 mV	6.80 ft	200.00 ml/min
5/4/2022 3:20 PM	25:00	6.60 pH	19.46 °C	127.54 µS/cm	3.72 mg/L	1.62 NTU	74.2 mV	6.80 ft	200.00 ml/min
5/4/2022 3:25 PM	30:00	6.53 pH	19.43 °C	129.02 µS/cm	3.65 mg/L	1.07 NTU	75.6 mV	6.80 ft	200.00 ml/min
5/4/2022 3:30 PM	35:00	6.51 pH	19.26 °C	128.80 µS/cm	3.59 mg/L	0.93 NTU	76.0 mV	6.80 ft	200.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 5/4/2022 10:55:23 AM
Project: Plant Wansley Landfill
Operator Name: A Schnittker

Location Name: GWC-17 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 43.20 ft** **Total Depth: 53.20 ft** **Initial Depth to Water: 20.01 ft**	**Pump Type: Peri pump** **Tubing Type: Poly** **Pump Intake From TOC: 47 ft** **Estimated Total Volume Pumped: 4.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 17 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884189**

Test Notes:
Sample time 1130. Sunny 70s.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 300	+/- 0.3	
5/4/2022 10:55 AM	00:00	6.08 pH	23.86 °C	101.88 µS/cm	3.61 mg/L	5.11 NTU	148.8 mV	20.01 ft	150.00 ml/min
5/4/2022 11:00 AM	05:00	6.07 pH	20.93 °C	101.27 µS/cm	2.43 mg/L	4.65 NTU	115.5 mV	20.90 ft	150.00 ml/min
5/4/2022 11:05 AM	10:00	6.07 pH	20.44 °C	95.51 µS/cm	2.20 mg/L	4.93 NTU	94.9 mV	21.20 ft	150.00 ml/min
5/4/2022 11:10 AM	15:00	6.08 pH	20.44 °C	94.77 µS/cm	1.92 mg/L	4.98 NTU	83.1 mV	21.30 ft	150.00 ml/min
5/4/2022 11:15 AM	20:00	6.06 pH	20.57 °C	93.29 µS/cm	1.75 mg/L	5.99 NTU	76.4 mV	21.40 ft	150.00 ml/min
5/4/2022 11:20 AM	25:00	6.07 pH	20.65 °C	95.45 µS/cm	1.72 mg/L	4.35 NTU	89.2 mV	21.40 ft	150.00 ml/min
5/4/2022 11:25 AM	30:00	6.08 pH	20.70 °C	94.27 µS/cm	1.72 mg/L	4.19 NTU	69.4 mV	21.40 ft	150.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 5/4/2022 12:30:48 PM
Project: Plant Wansley Landfill
Operator Name: A Schnittker

Location Name: GWC-19 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 28.43 ft** **Total Depth: 38.43 ft** **Initial Depth to Water: 8.02 ft**	**Pump Type: Peri pump** **Tubing Type: Poly** **Pump Intake From TOC: 33 ft** **Estimated Total Volume Pumped: 20 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 140 ml/min** **Final Draw Down: 18 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884189**

Test Notes:
Sample time 1435. Sunny 80.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 300	+/- 0.3	
5/4/2022 12:30 PM	00:00	5.78 pH	25.06 °C	76.78 µS/cm	2.17 mg/L	15.70 NTU	137.7 mV	8.02 ft	130.00 ml/min
5/4/2022 12:35 PM	05:00	5.76 pH	19.72 °C	81.65 µS/cm	0.29 mg/L	11.90 NTU	91.1 mV	8.80 ft	130.00 ml/min
5/4/2022 12:40 PM	10:00	5.75 pH	18.81 °C	81.08 µS/cm	0.32 mg/L	10.30 NTU	93.1 mV	9.10 ft	130.00 ml/min
5/4/2022 12:45 PM	15:00	5.74 pH	19.23 °C	82.46 µS/cm	0.17 mg/L	17.80 NTU	66.8 mV	9.10 ft	130.00 ml/min
5/4/2022 12:50 PM	20:00	5.75 pH	19.69 °C	83.12 µS/cm	0.16 mg/L	23.20 NTU	80.1 mV	9.10 ft	130.00 ml/min
5/4/2022 12:55 PM	25:00	5.75 pH	19.57 °C	83.69 µS/cm	0.15 mg/L	20.70 NTU	79.3 mV	9.10 ft	130.00 ml/min
5/4/2022 1:00 PM	30:00	5.74 pH	19.51 °C	82.42 µS/cm	0.14 mg/L	18.30 NTU	77.1 mV	9.10 ft	130.00 ml/min
5/4/2022 1:05 PM	35:00	5.74 pH	20.11 °C	82.03 µS/cm	0.13 mg/L	16.70 NTU	62.3 mV	9.10 ft	130.00 ml/min
5/4/2022 1:10 PM	40:00	5.74 pH	20.11 °C	80.95 µS/cm	0.13 mg/L	15.80 NTU	59.2 mV	9.10 ft	130.00 ml/min
5/4/2022 1:15 PM	45:00	5.75 pH	19.54 °C	81.25 µS/cm	0.12 mg/L	16.40 NTU	58.2 mV	9.10 ft	130.00 ml/min
5/4/2022 1:20 PM	50:00	5.74 pH	19.31 °C	80.10 µS/cm	0.11 mg/L	14.80 NTU	69.1 mV	9.40 ft	140.00 ml/min
5/4/2022 1:25 PM	55:00	5.73 pH	19.37 °C	78.41 µS/cm	0.12 mg/L	12.30 NTU	57.5 mV	9.40 ft	140.00 ml/min
5/4/2022 1:30 PM	01:00:00	5.74 pH	19.37 °C	79.80 µS/cm	0.16 mg/L	11.90 NTU	56.3 mV	9.40 ft	140.00 ml/min
5/4/2022 1:35 PM	01:05:00	5.73 pH	19.55 °C	77.96 µS/cm	0.15 mg/L	10.30 NTU	55.6 mV	9.40 ft	140.00 ml/min
5/4/2022 1:40 PM	01:10:00	5.73 pH	19.51 °C	76.66 µS/cm	0.14 mg/L	10.30 NTU	53.7 mV	9.50 ft	140.00 ml/min

5/4/2022 1:45 PM	01:15:00	5.73 pH	19.62 °C	75.99 µS/cm	0.15 mg/L	10.50 NTU	51.8 mV	9.50 ft	140.00 ml/min
5/4/2022 1:50 PM	01:20:00	5.75 pH	20.00 °C	81.18 µS/cm	0.27 mg/L	12.50 NTU	54.9 mV	9.50 ft	140.00 ml/min
5/4/2022 1:55 PM	01:25:00	5.74 pH	19.47 °C	80.26 µS/cm	0.23 mg/L	11.60 NTU	54.7 mV	9.50 ft	140.00 ml/min
5/4/2022 2:00 PM	01:30:00	5.74 pH	20.08 °C	78.23 µS/cm	0.32 mg/L	11.30 NTU	59.3 mV	9.50 ft	140.00 ml/min
5/4/2022 2:05 PM	01:35:00	5.73 pH	19.75 °C	78.33 µS/cm	0.25 mg/L	10.40 NTU	54.5 mV	9.50 ft	140.00 ml/min
5/4/2022 2:10 PM	01:40:00	5.72 pH	20.22 °C	75.89 µS/cm	0.23 mg/L	8.88 NTU	51.5 mV	9.50 ft	140.00 ml/min
5/4/2022 2:15 PM	01:45:00	5.73 pH	19.64 °C	74.90 µS/cm	0.21 mg/L	7.03 NTU	47.1 mV	9.50 ft	140.00 ml/min
5/4/2022 2:20 PM	01:50:00	5.72 pH	19.51 °C	73.91 µS/cm	0.20 mg/L	6.29 NTU	43.5 mV	9.50 ft	140.00 ml/min
5/4/2022 2:25 PM	01:55:00	5.72 pH	19.72 °C	73.73 µS/cm	0.20 mg/L	5.87 NTU	40.4 mV	9.50 ft	140.00 ml/min
5/4/2022 2:30 PM	02:00:00	5.72 pH	20.39 °C	72.92 µS/cm	0.20 mg/L	5.19 NTU	37.3 mV	9.50 ft	140.00 ml/min
5/4/2022 2:35 PM	02:05:00	5.72 pH	20.51 °C	71.98 µS/cm	0.21 mg/L	4.84 NTU	33.9 mV	9.50 ft	140.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 5/4/2022 2:55:40 PM
Project: Plant Wansley Landfill
Operator Name: A Schnittker

Location Name: GWC-22 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 67.13 ft** **Total Depth: 77.13 ft** **Initial Depth to Water: 21.57 ft**	**Pump Type: Peri pump** **Tubing Type: Poly** **Pump Intake From TOC: 72 ft** **Estimated Total Volume Pumped: 4.5 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 6 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 884189**

Test Notes:
Sample time 1530. Sunny 80s.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 0.5	+/- 5 %	+/- 10 %	+/- 10	+/- 300	+/- 0.3	
5/4/2022 2:55 PM	00:00	6.48 pH	22.56 °C	102.07 µS/cm	4.61 mg/L	2.70 NTU	78.4 mV	21.57 ft	150.00 ml/min
5/4/2022 3:00 PM	05:00	6.44 pH	20.12 °C	104.75 µS/cm	3.44 mg/L	1.99 NTU	60.0 mV	21.90 ft	150.00 ml/min
5/4/2022 3:05 PM	10:00	6.43 pH	19.71 °C	105.10 µS/cm	3.54 mg/L	1.73 NTU	55.0 mV	22.10 ft	150.00 ml/min
5/4/2022 3:10 PM	15:00	6.44 pH	19.73 °C	105.25 µS/cm	3.65 mg/L	1.55 NTU	53.6 mV	22.10 ft	150.00 ml/min
5/4/2022 3:15 PM	20:00	6.44 pH	19.60 °C	104.34 µS/cm	3.64 mg/L	1.23 NTU	53.0 mV	22.10 ft	150.00 ml/min
5/4/2022 3:20 PM	25:00	6.41 pH	19.47 °C	105.09 µS/cm	3.64 mg/L	0.94 NTU	64.6 mV	22.10 ft	150.00 ml/min
5/4/2022 3:25 PM	30:00	6.41 pH	19.69 °C	104.00 µS/cm	3.60 mg/L	0.93 NTU	53.3 mV	22.10 ft	150.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 5/3/2022 11:20:43 AM
Project: Plant Wansley Landfill
Operator Name: Jordan Berisford

Location Name: GWC-31 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 28.03 ft** **Total Depth: 38.03 ft** **Initial Depth to Water: 29.12 ft**	**Pump Type: QED Bladder pump** **Tubing Type: Poly** **Pump Intake From TOC: 35 ft** **Estimated Total Volume Pumped: 9 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 76.5 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 714344**

Test Notes:
Sunny, Well purged dry. Not Sampled.

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 100	+/- 10	+/- 0.3	
5/3/2022 11:20 AM	00:00	5.82 pH	26.07 °C	4.37 µS/cm	8.09 mg/L	17.00 NTU	183.5 mV	29.12 ft	150.00 ml/min
5/3/2022 11:25 AM	05:00	5.76 pH	21.10 °C	84.20 µS/cm	6.90 mg/L	14.00 NTU	106.4 mV	29.40 ft	150.00 ml/min
5/3/2022 11:30 AM	10:00	5.58 pH	19.63 °C	84.98 µS/cm	6.95 mg/L	11.00 NTU	101.6 mV	30.00 ft	150.00 ml/min
5/3/2022 11:35 AM	15:00	5.53 pH	18.83 °C	84.75 µS/cm	7.00 mg/L	11.00 NTU	98.3 mV	30.30 ft	150.00 ml/min
5/3/2022 11:40 AM	20:00	5.51 pH	18.66 °C	82.24 µS/cm	6.98 mg/L	10.00 NTU	97.0 mV	30.80 ft	150.00 ml/min
5/3/2022 11:45 AM	25:00	5.48 pH	18.56 °C	81.14 µS/cm	6.92 mg/L	9.82 NTU	96.1 mV	31.50 ft	150.00 ml/min
5/3/2022 11:50 AM	30:00	5.48 pH	18.43 °C	83.76 µS/cm	6.97 mg/L	10.00 NTU	96.3 mV	32.10 ft	150.00 ml/min
5/3/2022 11:55 AM	35:00	5.46 pH	18.38 °C	80.26 µS/cm	6.83 mg/L	9.89 NTU	96.4 mV	32.70 ft	150.00 ml/min
5/3/2022 12:00 PM	40:00	5.47 pH	18.39 °C	81.98 µS/cm	6.86 mg/L	9.94 NTU	96.1 mV	33.30 ft	150.00 ml/min
5/3/2022 12:05 PM	45:00	5.48 pH	18.38 °C	83.13 µS/cm	6.99 mg/L	10.00 NTU	95.8 mV	33.80 ft	150.00 ml/min
5/3/2022 12:10 PM	50:00	5.49 pH	18.43 °C	84.25 µS/cm	7.06 mg/L	10.00 NTU	95.6 mV	34.40 ft	150.00 ml/min
5/3/2022 12:15 PM	55:00	5.52 pH	18.56 °C	86.07 µS/cm	7.00 mg/L	8.94 NTU	95.1 mV	35.00 ft	150.00 ml/min
5/3/2022 12:20 PM	01:00:00	5.48 pH	19.54 °C	85.59 µS/cm	7.07 mg/L	8.21 NTU	93.8 mV	35.50 ft	150.00 ml/min

Samples

Low-Flow Test Report:

Test Date / Time: 5/4/2022 10:51:18 AM
Project: Plant Wansley Landfill
Operator Name: Jordan Berisford

Location Name: GWC-31 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 28.03 ft** **Total Depth: 38.03 ft** **Initial Depth to Water: 30.85 ft**	**Pump Type: QED Bladder pump** **Tubing Type: Poly** **Pump Intake From TOC: 35 ft** **Estimated Total Volume Pumped: 3 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 150 ml/min** **Final Draw Down: 29.4 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 714293**

Test Notes:
Well purged dry 5/3/2022. Sampled 5/4/22. Sunny, 80s , sample time -1111

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 100	+/- 10	+/- 0.3	
5/4/2022 10:51 AM	00:00	7.00 pH	26.79 °C	114.84 µS/cm	7.00 mg/L	11.00 NTU	88.8 mV	30.85 ft	150.00 ml/min
5/4/2022 10:56 AM	05:00	6.39 pH	19.92 °C	118.59 µS/cm	7.49 mg/L	8.84 NTU	68.7 mV	31.50 ft	150.00 ml/min
5/4/2022 11:01 AM	10:00	6.24 pH	19.51 °C	117.12 µS/cm	7.39 mg/L	7.75 NTU	65.4 mV	32.10 ft	150.00 ml/min
5/4/2022 11:06 AM	15:00	6.20 pH	20.00 °C	117.04 µS/cm	7.52 mg/L	6.22 NTU	72.3 mV	32.70 ft	150.00 ml/min
5/4/2022 11:11 AM	20:00	6.19 pH	21.27 °C	117.59 µS/cm	7.83 mg/L	4.87 NTU	71.5 mV	33.30 ft	150.00 ml/min

Samples

Sample ID:	Description:

Low-Flow Test Report:

Test Date / Time: 5/4/2022 11:35:04 AM
Project: Plant Wansley Landfill
Operator Name: Jordan Berisford

Location Name: GWC-33 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 14.03 ft** **Total Depth: 24.03 ft** **Initial Depth to Water: 13.92 ft**	**Pump Type: Peri pump** **Tubing Type: Poly** **Pump Intake From TOC: 18 ft** **Estimated Total Volume Pumped: 18.4 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 100 ml/min Final Draw Down: 93.3 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 714293**

Test Notes:
Sunny, 80s, sample time-1410

Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 100	+/- 10	+/- 0.3	
5/4/2022 11:35 AM	00:00	6.51 pH	27.87 °C	0.29 µS/cm	7.75 mg/L	2.22 NTU	53.4 mV	13.92 ft	125.00 ml/min
5/4/2022 11:40 AM	05:00	6.49 pH	21.64 °C	152.75 µS/cm	8.06 mg/L	1.38 NTU	72.3 mV	14.30 ft	125.00 ml/min
5/4/2022 11:45 AM	10:00	6.49 pH	20.44 °C	153.96 µS/cm	8.25 mg/L	1.96 NTU	67.0 mV	14.70 ft	125.00 ml/min
5/4/2022 11:50 AM	15:00	6.48 pH	20.35 °C	154.01 µS/cm	8.26 mg/L	1.41 NTU	68.6 mV	15.00 ft	125.00 ml/min
5/4/2022 11:55 AM	20:00	6.49 pH	20.17 °C	154.14 µS/cm	8.26 mg/L	2.07 NTU	69.3 mV	15.40 ft	125.00 ml/min
5/4/2022 12:00 PM	25:00	6.49 pH	20.36 °C	153.62 µS/cm	8.22 mg/L	1.83 NTU	70.6 mV	15.80 ft	125.00 ml/min
5/4/2022 12:05 PM	30:00	6.46 pH	20.28 °C	151.01 µS/cm	8.15 mg/L	2.00 NTU	72.1 mV	16.10 ft	125.00 ml/min
5/4/2022 12:10 PM	35:00	6.43 pH	20.13 °C	148.71 µS/cm	7.96 mg/L	1.42 NTU	73.9 mV	16.40 ft	125.00 ml/min
5/4/2022 12:15 PM	40:00	6.41 pH	20.09 °C	147.18 µS/cm	7.82 mg/L	1.33 NTU	74.9 mV	16.80 ft	125.00 ml/min
5/4/2022 12:20 PM	45:00	6.40 pH	20.01 °C	146.49 µS/cm	7.85 mg/L	1.29 NTU	87.8 mV	17.00 ft	125.00 ml/min
5/4/2022 12:25 PM	50:00	6.40 pH	20.23 °C	144.94 µS/cm	7.90 mg/L	1.74 NTU	89.1 mV	17.40 ft	125.00 ml/min
5/4/2022 12:30 PM	55:00	6.37 pH	20.39 °C	140.29 µS/cm	7.89 mg/L	1.66 NTU	91.2 mV	17.80 ft	125.00 ml/min
5/4/2022 12:35 PM	01:00:00	6.33 pH	20.13 °C	132.58 µS/cm	7.85 mg/L	2.07 NTU	94.1 mV	18.10 ft	125.00 ml/min
5/4/2022 12:40 PM	01:05:00	6.31 pH	20.44 °C	133.93 µS/cm	7.84 mg/L	1.94 NTU	94.8 mV	18.40 ft	125.00 ml/min
5/4/2022 12:45 PM	01:10:00	6.30 pH	20.80 °C	133.80 µS/cm	7.80 mg/L	1.11 NTU	96.0 mV	18.70 ft	125.00 ml/min

5/4/2022 12:50 PM	01:15:00	6.32 pH	20.52 °C	136.48 µS/cm	7.69 mg/L	0.97 NTU	96.5 mV	19.10 ft	125.00 ml/min
5/4/2022 12:55 PM	01:20:00	6.33 pH	20.48 °C	139.80 µS/cm	7.70 mg/L	1.01 NTU	97.2 mV	19.40 ft	125.00 ml/min
5/4/2022 1:00 PM	01:25:00	6.34 pH	20.62 °C	140.12 µS/cm	7.69 mg/L	1.42 NTU	98.1 mV	19.60 ft	125.00 ml/min
5/4/2022 1:05 PM	01:30:00	6.36 pH	20.93 °C	140.67 µS/cm	7.67 mg/L	1.93 NTU	97.5 mV	19.80 ft	125.00 ml/min
5/4/2022 1:10 PM	01:35:00	6.36 pH	20.71 °C	143.59 µS/cm	7.73 mg/L	2.05 NTU	98.2 mV	20.00 ft	125.00 ml/min
5/4/2022 1:15 PM	01:40:00	6.36 pH	21.42 °C	145.28 µS/cm	7.75 mg/L	4.22 NTU	99.1 mV	20.20 ft	125.00 ml/min
5/4/2022 1:20 PM	01:45:00	6.37 pH	21.43 °C	144.72 µS/cm	7.63 mg/L	3.29 NTU	83.6 mV	20.50 ft	125.00 ml/min
5/4/2022 1:25 PM	01:50:00	6.35 pH	21.14 °C	149.36 µS/cm	7.94 mg/L	3.99 NTU	105.5 mV	21.00 ft	125.00 ml/min
5/4/2022 1:30 PM	01:55:00	6.43 pH	22.79 °C	153.67 µS/cm	7.79 mg/L	8.21 NTU	82.8 mV	21.10 ft	100.00 ml/min
5/4/2022 1:35 PM	02:00:00	6.37 pH	23.52 °C	151.90 µS/cm	7.75 mg/L	13.00 NTU	103.0 mV	21.10 ft	100.00 ml/min
5/4/2022 1:40 PM	02:05:00	6.44 pH	24.79 °C	158.27 µS/cm	7.69 mg/L	19.00 NTU	82.6 mV	21.20 ft	100.00 ml/min
5/4/2022 1:45 PM	02:10:00	6.50 pH	25.83 °C	160.14 µS/cm	7.66 mg/L	8.72 NTU	85.3 mV	21.30 ft	100.00 ml/min
5/4/2022 1:50 PM	02:15:00	6.61 pH	26.49 °C	160.25 µS/cm	7.67 mg/L	5.94 NTU	81.8 mV	21.40 ft	100.00 ml/min
5/4/2022 1:55 PM	02:20:00	6.62 pH	27.16 °C	160.82 µS/cm	7.60 mg/L	4.82 NTU	81.5 mV	21.50 ft	100.00 ml/min
5/4/2022 2:00 PM	02:25:00	6.61 pH	27.76 °C	161.38 µS/cm	7.48 mg/L	4.01 NTU	82.6 mV	21.60 ft	100.00 ml/min
5/4/2022 2:05 PM	02:30:00	6.65 pH	28.13 °C	161.06 µS/cm	7.51 mg/L	4.86 NTU	85.4 mV	21.60 ft	100.00 ml/min
5/4/2022 2:10 PM	02:35:00	6.67 pH	28.64 °C	161.36 µS/cm	7.41 mg/L	4.31 NTU	81.8 mV	21.70 ft	100.00 ml/min

Samples

Sample ID:	Description:

APPENDIX A

Daily Instrument Calibration Logs
May 2022 Verification Event

Daily Instrument Calibration Log

SITE: Plant Wansley LF

TECHNICIAN: Anna Schmidtbauer

WATER LEVEL: Solinst

WATER LEVEL S/N: 377060

INSTRUMENT S/N: 884189

INSTRUMENT TYPE: AquaTroll

CAL. SOLUTIONS:

ID	LOT #	EXP. DATE
pH 4	166617	11/23
pH 7	168027	6/23
pH 10	168058	6/23
Con	160173	9/22
ORP	268110	11/22

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

Calibration Date: 5/3/22

RDO: 100% sat. = 99.2

PH: 4.00 = 4.17 | 7.00 = 7.04 | 10.00 = 9.74 | *Midday pH check* 7.0 = 7.06 / 6.99

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

CONDUCTIVITY: 1413 = 1476.4

ORP (mV): 240 = 223

Calibration Date: 5/4/22

RDO: 100% sat. = 101.59

PH: 4.00 = 4.03 | 7.00 = 7.22 | 10.00 = 10.46 | *Midday pH check* 7.0 = 7.01

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

CONDUCTIVITY: 1413 = 1453.8

ORP (mV): 242 = 231

Calibration Date:

RDO: 100% sat. =

PH: 4.00 = | 7.00 = | 10.00 = | *Midday pH check* 7.0 =

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

CONDUCTIVITY: =

ORP (mV): =

Calibration Date:

RDO: 100% sat. =

PH: 4.00 = | 7.00 = | 10.00 = | *Midday pH check* 7.0 =

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

CONDUCTIVITY: =

ORP (mV): =

Calibration Date:

RDO: 100% sat. =

PH: 4.00 = | 7.00 = | 10.00 = | *Midday pH check* 7.0 =

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

CONDUCTIVITY: =

ORP (mV): =

Daily Instrument Calibration Log

SITE: Plant Wansley
TECHNICIAN: A Schnittker

INSTRUMENT S/N: 11090C012353
INSTRUMENT TYPE: Hach 2100Q
CAL. SOLUTION:
0 NTU - LOT # NA EXP. DATE: Fresh DI Water
10 NTU - LOT # A10027R EXP. DATE: 11/22
20 NTU - LOT # A1207 EXP. DATE: 11/22

Calibration Date: 5/4/22

Calibation Solution	Instrument Reading	
0.0	0.26	NTU
10.0	9.76	NTU
20.0	19.5	NTU

Calibration Date:

Calibation Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibation Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibation Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibation Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

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 Wansley

TECHNICIAN: [illegible]

INSTRUMENT S/N: 17120C063767

INSTRUMENT TYPE: Hach 2100Q

CAL. SOLUTION:
0 NTU - LOT # [illegible] EXP. DATE: Nov-22 [illegible]
10 NTU - LOT # A1 101R EXP. DATE: Nov 22
20 NTU - LOT # A1 [illegible] EXP. DATE: Nov-22

Calibration Date: 5/3/22

Calibation Solution	Instrument Reading	
0.0	0.12	NTU
10.0	10.3	NTU
20.0	20.3	NTU

Calibration Date: 5/4/22

Calibation Solution	Instrument Reading	
0.0	0.10	NTU
10.0	10.1	NTU
20.0	20.4	NTU

Calibration Date:

Calibation Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibation Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibation Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibation Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Daily Instrument Calibration Log

SITE: Red Valley
TECHNICIAN: Sherry Go

WATER LEVEL: Solinst
WATER LEVEL S/N: 262924

INSTRUMENT S/N: 714744 / 714253
INSTRUMENT TYPE: AquaTroll
CAL. SOLUTIONS:

ID	LOT #	EXP. DATE
ID: pH 4	LOT #: 1GH124	EXP. DATE: 8/23
ID: pH 7	LOT #: 0G5615	EXP. DATE: 4/22
ID: pH 10	LOT #: 0H2615	EXP. DATE: 4/22
ID: Cond	LOT #: 1GH548	EXP. DATE: 8/22
ID: ORP	LOT #: 2A0316	EXP. DATE: 11/23
ID:	LOT #:	EXP. DATE:
ID:	LOT #:	EXP. DATE:

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

Calibration Date: 5/3/22
RDO: 100% sat. = 98.8
PH: 4.00 = 3.96 7.00 = 7.09 10.00 = 9.88
Midday pH check 7.0 = 6.98
PH Recal (if needed): 4.00 = 7.00 = 10.00 = 7.0= post recal check
CONDUCTIVITY: 1413 = 1546
ORP (mV): 240 = 229.5

Calibration Date: 5/4/22
RDO: 100% sat. = 100.9
PH: 4.00 = 4.09 7.00 = 6.86 10.00 = 10.77
Midday pH check 7.0 = 6.98
PH Recal (if needed): 4.00 = 7.00 = 10.00 = 7.0= post recal check
CONDUCTIVITY: 1413 = 1432
ORP (mV): 240 = 237.8

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

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

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

APPENDIX A

Laboratory Analytical Reports
June 2022 Evaluation Event

eurofins | Environment Testing America

ANALYTICAL REPORT

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

Laboratory Job ID: 180-139454-1
Client Project/Site: Plant Wansley Landfill
Revision: 1

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

Attn: Kristen N Jurinko

Authorized for release by:
6/27/2022 8:41:28 PM

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

PA Lab ID: 02-00416

Table of Contents

Cover Page 1
Table of Contents 2
Case Narrative 3
Definitions/Glossary 4
Certification Summary 5
Sample Summary 6
Method Summary 7
Lab Chronicle 8
Client Sample Results 9
QC Sample Results 10
QC Association Summary 11
Chain of Custody 12
Receipt Checklists 13

Case Narrative

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-139454-1

Job ID: 180-139454-1

Laboratory: Eurofins Pittsburgh

Narrative

Job Narrative
180-139454-1

062722 Revised Report to add field pH. This report replaces the report previously issued on 062422.

Receipt
The sample was received on 6/9/2022 3:17 PM. Unless otherwise noted below, the sample arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 2 coolers at receipt time were 2.8°C and 4.4°C

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

Definitions/Glossary

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-139454-1

Qualifiers

Metals

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

Glossary

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

Accreditation/Certification Summary

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-139454-1

Laboratory: Eurofins Pittsburgh

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

Authority	Program	Identification Number	Expiration Date
Arkansas DEQ	State	19-033-0	06-27-22
California	State	2891	04-30-22 *
Connecticut	State	PH-0688	09-30-22
Florida	NELAP	E871008	06-30-22
Georgia	State	PA 02-00416	04-30-23
Illinois	NELAP	004375	06-30-22
Kansas	NELAP	E-10350	03-31-23
Kentucky (UST)	State	162013	04-30-22 *
Kentucky (WW)	State	KY98043	12-31-22
Louisiana	NELAP	04041	06-30-22
Maine	State	PA00164	03-06-24
Minnesota	NELAP	042-999-482	12-31-22
Nevada	State	PA00164	08-31-22
New Hampshire	NELAP	2030	04-04-23
New Jersey	NELAP	PA005	06-30-23
New York	NELAP	11182	04-01-23
North Carolina (WW/SW)	State	434	12-31-22
North Dakota	State	R-227	04-30-22 *
Oregon	NELAP	PA-2151	02-07-23
Pennsylvania	NELAP	02-00416	04-30-23
Rhode Island	State	LAO00362	12-31-21 *
South Carolina	State	89014	06-30-22
Texas	NELAP	T104704528	03-31-23
USDA	Federal	P-Soil-01	06-26-22
USDA	US Federal Programs	P330-16-00211	06-26-22
Utah	NELAP	PA001462019-8	05-31-22 *
Virginia	NELAP	10043	09-14-22
West Virginia DEP	State	142	01-31-23
Wisconsin	State	998027800	08-31-22

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

Sample Summary

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-139454-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
180-139454-1	GWC-15	Water	06/07/22 15:07	06/09/22 15:17

Method Summary

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-139454-1

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

Protocol References:

EPA = US Environmental Protection Agency

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

Laboratory References:

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

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-139454-1

Client Sample ID: GWC-15
Date Collected: 06/07/22 15:07
Date Received: 06/09/22 15:17

Lab Sample ID: 180-139454-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	25 mL	401983	06/14/22 17:05	NAF	TAL PIT
Total Recoverable	Analysis	EPA 6020B		1			403145	06/23/22 18:33	RSK	TAL PIT
	Instrument ID: A									
Total/NA	Analysis	Field Sampling		1			403392	06/07/22 15:07	FDS	TAL PIT
	Instrument ID: NOEQUIP									

Laboratory References:

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

Analyst References:

Lab: TAL PIT

Batch Type: Prep

NAF = Nicholas Frankos

Batch Type: Analysis

FDS = Sampler Field

RSK = Robert Kurtz

Client Sample Results

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-139454-1

Client Sample ID: GWC-15

Date Collected: 06/07/22 15:07
Date Received: 06/09/22 15:17

Lab Sample ID: 180-139454-1

Matrix: Water

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.067	J	0.080	0.060	mg/L		06/14/22 17:05	06/23/22 18:33	1

Method: Field Sampling - Field Sampling

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
pH	6.44				SU			06/07/22 15:07	1

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-139454-1

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

Lab Sample ID: MB 180-401983/1-A
Matrix: Water
Analysis Batch: 403145

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 401983

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	<0.060		0.080	0.060	mg/L		06/14/22 17:05	06/23/22 18:04	1

Lab Sample ID: LCS 180-401983/2-A
Matrix: Water
Analysis Batch: 403145

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 401983

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits		
Boron			1.25	1.30		mg/L		104	80 - 120		

QC Association Summary

Client: Southern Company
Project/Site: Plant Wansley Landfill

Job ID: 180-139454-1

Metals

Prep Batch: 401983

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-139454-1	GWC-15	Total Recoverable	Water	3005A	
MB 180-401983/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 180-401983/2-A	Lab Control Sample	Total Recoverable	Water	3005A	

Analysis Batch: 403145

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-139454-1	GWC-15	Total Recoverable	Water	EPA 6020B	401983
MB 180-401983/1-A	Method Blank	Total Recoverable	Water	EPA 6020B	401983
LCS 180-401983/2-A	Lab Control Sample	Total Recoverable	Water	EPA 6020B	401983

Field Service / Mobile Lab

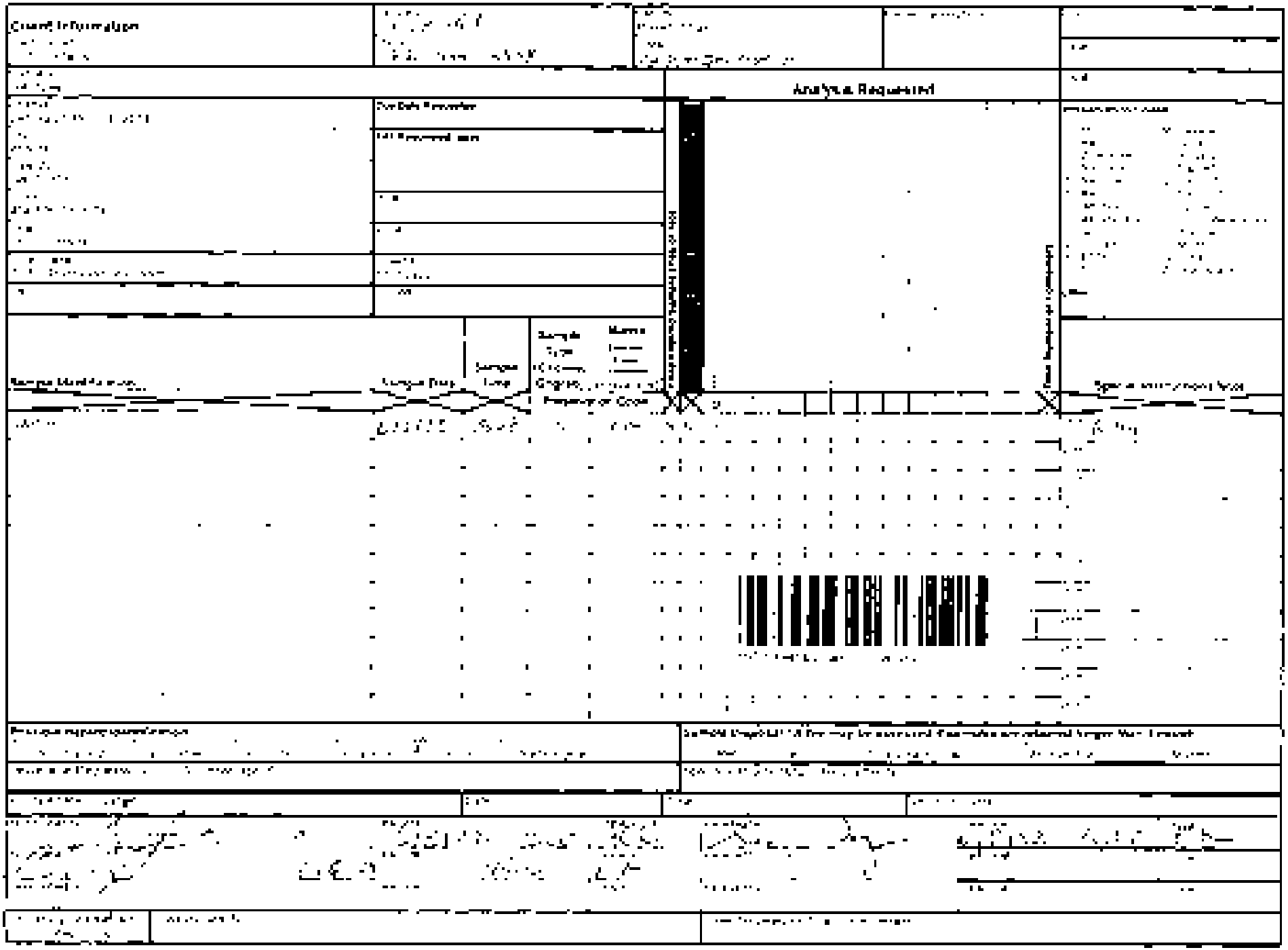
Analysis Batch: 403392

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
180-139454-1	GWC-15	Total/NA	Water	Field Sampling	

Eurofins TestAmerica, Pittsburgh

Chain of Custody Record

eurofins



Login Sample Receipt Checklist

Client: Southern Company

Job Number: 180-139454-1

Login Number: 139454
List Number: 1
Creator: Abernathy, Eric L

List Source: Eurofins Pittsburgh

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

APPENDIX A

Laboratory Data Validations
June 2022 Evaluation Event

LEVEL 2A LABORATORY DATA VALIDATIONS

Plant Wansley Landfill

Evaluation Event

June 2022

Georgia Power Company – Plant Wansley Landfill

Quality Control Review of Analytical Data – June 2022

This narrative presents results of the Quality Control (QC) data review performed on analytical data submitted by Eurofins Environment Testing America, Pittsburgh for a groundwater sample collected at Plant Wansley Landfill (LF) June 7, 2022. The chemical data were reviewed to identify quality issues which could affect the use of the data for decision-making purposes.

Information regarding the primary sample locations, analytical parameters, QC samples, sampling dates, and laboratory sample delivery group (SDG) designations is summarized in Table 1 of this Appendix. SDG 180-139454 presents data from a second evaluation event conducted to further assess previously-reported data for select metals analytes.

In accordance with groundwater monitoring and corrective action procedures discussed in Title 40 Code of Federal Regulations (CFR), Subpart D – Standards for the Disposal of Coal Combustion Residuals in Landfills and Surface Impoundments, the sample was analyzed for specified detection monitoring constituents listed in 40 CFR, Part 257, Appendix III, as appropriate. Test methods included Inductively Coupled Plasma – Mass Spectrometry (USEPA Method 6020B).

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

DATA QUALITY OBJECTIVES

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

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

Accuracy: Laboratory goals for accuracy were met.

Detection Limits: Project goals for detection limits were met.

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

Holding Times: Holding time requirements were met.

QUALIFICATIONS

In general, chemical results for the samples collected at the site were qualified on the basis of low precision or low accuracy or on the basis of professional judgment. The following definitions provide brief explanations of the qualifiers which may have been assigned to data by the laboratory during the validation process:

J: The analyte was positively identified above the method detection limit; however, the associated numerical value is the approximate concentration of the analyte in the sample.

ND: The analyte was not detected above the method detection limit.

The data generated as part of this sampling event met the QC criteria established in the respective analytical method and data validation guidelines.

Atlantic Coast Consulting, Inc. reviewed the laboratory data from the Plant Wansley LF sampled June 7, 2022 in accordance with the analytical method, 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 – Plant Wansley Landfill

Sample Summary Table – June 2022

						Analyses		
SDG	Field Identification	Collection Date	Lab Identification	Matrix	QC Samples	Metals (6020, 7470A)	Anions (300.0)	TDS (SM 2540C)
139454	GWC-15	6/7/2022	180-139454-1	GW		X		

Abbreviations:
EB – Equipment Blank
EFF – Effluent
FB – Field Blank
FD – Field Duplicate
GW – Groundwater
QC – Quality Control
SDG – sample delivery group
SW – Surface Water
TDS – Total Dissolved Solids
WQ – Water Quality Control

APPENDIX A

Field Sampling Reports
June 2022 Evaluation Event

Low-Flow Test Report:

Test Date / Time: 6/7/2022 2:17:22 PM
Project: Plant Wansley Landfill
Operator Name: Jordan Berisford

Location Name: GWC-15 **Well Diameter: 2 in** **Casing Type: PVC** **Screen Length: 10 ft** **Top of Screen: 41 ft** **Total Depth: 51.06 ft** **Initial Depth to Water: 7.10 ft**	**Pump Type: Peristaltic Pump** **Tubing Type: Poly** **Pump Intake From TOC: 45 ft** **Estimated Total Volume Pumped: 10 liter** **Flow Cell Volume: 90 ml** **Final Flow Rate: 200 ml/min** **Final Draw Down: 2.4 in**	**Instrument Used: Aqua TROLL 400** **Serial Number: 843593**

Test Notes:
Sunny, 80s, sample time 1507

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	
6/7/2022 2:17 PM	00:00	4.05 pH	32.01 °C	0.43 µS/cm	7.10 mg/L	1.62 NTU	170.3 mV	7.10 ft	200.00 ml/min
6/7/2022 2:22 PM	05:00	6.61 pH	20.39 °C	107.11 µS/cm	5.54 mg/L	1.94 NTU	98.1 mV	7.30 ft	200.00 ml/min
6/7/2022 2:27 PM	10:00	6.76 pH	19.40 °C	107.96 µS/cm	5.86 mg/L	0.65 NTU	87.8 mV	7.30 ft	200.00 ml/min
6/7/2022 2:32 PM	15:00	6.77 pH	19.28 °C	106.97 µS/cm	5.83 mg/L	0.95 NTU	84.2 mV	7.30 ft	200.00 ml/min
6/7/2022 2:37 PM	20:00	6.64 pH	19.19 °C	106.02 µS/cm	5.40 mg/L	1.03 NTU	82.4 mV	7.30 ft	200.00 ml/min
6/7/2022 2:42 PM	25:00	6.56 pH	19.45 °C	104.57 µS/cm	5.02 mg/L	0.49 NTU	81.2 mV	7.30 ft	200.00 ml/min
6/7/2022 2:47 PM	30:00	6.51 pH	19.53 °C	104.22 µS/cm	4.62 mg/L	0.57 NTU	79.6 mV	7.30 ft	200.00 ml/min
6/7/2022 2:52 PM	35:00	6.50 pH	19.42 °C	103.72 µS/cm	4.42 mg/L	0.94 NTU	78.7 mV	7.30 ft	200.00 ml/min
6/7/2022 2:57 PM	40:00	6.46 pH	19.86 °C	103.47 µS/cm	4.12 mg/L	0.48 NTU	78.2 mV	7.30 ft	200.00 ml/min
6/7/2022 3:02 PM	45:00	6.45 pH	19.85 °C	101.95 µS/cm	3.99 mg/L	0.37 NTU	88.8 mV	7.30 ft	200.00 ml/min
6/7/2022 3:07 PM	50:00	6.44 pH	19.63 °C	102.02 µS/cm	3.95 mg/L	0.86 NTU	89.7 mV	7.30 ft	200.00 ml/min

Samples

Sample ID:	Description:

APPENDIX A

Daily Instrument Calibration Logs
June 2022 Evaluation Event

Daily Instrument Calibration Log

SITE: [illegible] AP

TECHNICIAN: [illegible]

WATER LEVEL: 50.17

WATER LEVEL S/N: 267304

INSTRUMENT S/N: 843593

INSTRUMENT TYPE: AquaTroll

CAL. SOLUTIONS:

ID:	LOT #:	EXP. DATE:
pH4	[illegible]	4/23
pH7	[illegible]	4/24
pH10	[illegible]	4/23
Cond	[illegible]	11/22
ORP	[illegible]	4/23

Midday pH check

Must be less that .10

(6.90-7.10 range)

Recalibrate if not within range

Calibration Date: 6/6/22

RDO: 100% sat. = 99.48

PH: 4.00 = 4.08 7.00 = 7.06 10.00 = 9.98

Midday pH check 7.0 = 7.09

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

CONDUCTIVITY: 1413 = 1547

ORP (mV): 228 = 219.2

Calibration Date: 6/7/22

RDO: 100% sat. = 101.48

PH: 4.00 = 4.09 7.00 = 7.05 10.00 = 10.13

Midday pH check 7.0 = 7.06

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

CONDUCTIVITY: 1413 = 1410

ORP (mV): 228 = 230.8

Calibration Date:

RDO: 100% sat. =

PH: 4.00 = 7.00 = 10.00 =

Midday pH check 7.0 =

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

CONDUCTIVITY: =

ORP (mV): =

Calibration Date:

RDO: 100% sat. =

PH: 4.00 = 7.00 = 10.00 =

Midday pH check 7.0 =

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

CONDUCTIVITY: =

ORP (mV): =

Calibration Date:

RDO: 100% sat. =

PH: 4.00 = 7.00 = 10.00 =

Midday pH check 7.0 =

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

CONDUCTIVITY: =

ORP (mV): =

ATLANTIC COAST CONSULTING, INC.

Daily Instrument Calibration Log

SITE: Plant Wansley

TECHNICIAN: [illegible signature]

INSTRUMENT S/N: 12090C07719

INSTRUMENT TYPE: Hach 2100Q

CAL. SOLUTION:

0 NTU - LOT # N/A EXP. DATE: 07/16/22

10 NTU - LOT # A2172 EXP. DATE: 8/23

20 NTU - LOT # A2172 EXP. DATE: 9/22

Calibration Date: 6/6/2022

Calibation Solution	Instrument Reading	
0.0	0.58	NTU
10.0	9.87	NTU
20.0	19.7	NTU

Calibration Date: 6/9/22

Calibation Solution	Instrument Reading	
0.0	0.39	NTU
10.0	10.2	NTU
20.0	21.1	NTU

Calibration Date:

Calibation Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibation Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibation Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibation Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

ATLANTIC COAST CONSULTING, INC.

Daily Instrument Calibration Log

SITE: Plant Wansley AP
TECHNICIAN: A Schmittler

WATER LEVEL: Solinst
WATER LEVEL S/N: 377060

INSTRUMENT S/N: 850724
INSTRUMENT TYPE: AquaTroll

CAL. SOLUTIONS:

ID	LOT #	EXP. DATE
pH 4	16H1124	8/23
pH 7	21380102	4/23
pH 10	16G419	7/23
Cond	16I1994	8/22
ORP	21140143	4/23

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

Calibration Date: 6/6

RDO: 100% sat. = 100.89
PH: 4.00 = 7.00 = 10.00 =
PH Recal (if needed): 4.00 = 4.02 7.00 = 6.99 10.00 = 9.96
CONDUCTIVITY: 1413 = 1409
ORP (mV): 229 = 215

Midday pH check
7.0 = 7.01
7.0= post recal check

Calibration Date: 6/7

RDO: 100% sat. = 106.95
PH: 4.00 = 4.02 7.00 = 7.05 10.00 = 10.07
PH Recal (if needed): 4.00 = 7.00 = 10.00 =
CONDUCTIVITY: 1413 = 1384
ORP (mV): 229 = 232

Midday pH check
7.0 = 7.02
7.0= post recal check

Calibration Date:

RDO: 100% sat. =
PH: 4.00 = 7.00 = 10.00 =
PH Recal (if needed): 4.00 = 7.00 = 10.00 =
CONDUCTIVITY: =
ORP (mV): =

Midday pH check
7.0 =
7.0= post recal check

Calibration Date:

RDO: 100% sat. =
PH: 4.00 = 7.00 = 10.00 =
PH Recal (if needed): 4.00 = 7.00 = 10.00 =
CONDUCTIVITY: =
ORP (mV): =

Midday pH check
7.0 =
7.0= post recal check

Calibration Date:

RDO: 100% sat. =
PH: 4.00 = 7.00 = 10.00 =
PH Recal (if needed): 4.00 = 7.00 = 10.00 =
CONDUCTIVITY: =
ORP (mV): =

Midday pH check
7.0 =
7.0= post recal check

ACC
ATLANTIC COAST CONSULTING, INC.

Daily Instrument Calibration Log

SITE: Plant Wansley

TECHNICIAN: A Schnittker

INSTRUMENT S/N: 13110C029655

INSTRUMENT TYPE: Hach 2100Q

CAL. SOLUTION:
0 NTU - LOT # NA EXP. DATE: Fresh DI water
10 NTU - LOT # A2122 EXP. DATE: 8/23
20 NTU - LOT # A2124 EXP. DATE: 8/23

Calibration Date: 6/6

Calibation Solution	Instrument Reading	
0.0	0.92	NTU
10.0	10.3	NTU
20.0	19.0	NTU

Calibration Date: 6/7

Calibation Solution	Instrument Reading	
0.0	0.40	NTU
10.0	10.0	NTU
20.0	20.9	NTU

Calibration Date:

Calibation Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibation Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibation Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

Calibration Date:

Calibation Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU

APPENDIX B

STATISTICAL ANALYSIS REPORT

GROUNDWATER STATS CONSULTING

August 31, 2022

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

Re: Plant Wansley Landfill – Background Update and February/March 2022 Statistical Analysis

Dear Ms. Jurinko,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the background update and February/March 2022 Semi-Annual Groundwater Monitoring Statistical summary of the analysis of groundwater data for Georgia Power Company's Plant Wansley Landfill. The analysis complies with the federal rule for the Disposal of Coal Combustion Residuals (CCR) from Electric Utilities (CCR Rule, 2015), the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management Chapter 391-3-4-.10, and follows the United States Environmental Protection Agency (USEPA) Unified Guidance (2009).

Sampling began for the CCR program in 2016, and for the State program in 2011 in accordance with the Georgia EPD's Solid Waste Permit. At least 8 background samples have been collected at each of the groundwater monitoring wells. Semi-annual sampling is performed in accordance with the Georgia Department of Natural Resources, Environmental Protection Division groundwater monitoring regulations; and the August 2021 samples are evaluated in this report.

The monitoring well network, as provided by Southern Company Services, consists of the following:

- **Upgradient wells:** GWA-1, GWA-2, GWA-3, GWA-4, GWA-28, and GWA-29
- **Downgradient wells:** GWC-5, GWC-6, GWC-7, GWC-8, GWC-9, GWC-10, GWC-11, GWC-12, GWC-13, GWC-14, GWC-15, GWC-16, GWC-17, GWC-18, GWC-19, GWC-20, GWC-21, GWC-22, GWC-23, GWC-24, GWC-25, GWC-26, GWC-27, GWC-30, GWC-31, GWC-32, GWC-33, GWC-34, and GWC-35

While upgradient well GWA-3 and downgradient well GWC-24 have had periods of being historically dry, these wells have been consistently sampled over the past few years. Additionally, sampling began at downgradient well GWC-10 in 2016. These well/constituent pairs are discussed below.

Data were sent electronically to Groundwater Stats Consulting, and the statistical analysis was reviewed by Dr. Jim Loftis, Civil and Environmental 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 Appendix I -** antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, thallium, vanadium, and zinc

Note that when there are no detections present in downgradient wells for a given constituent, statistical analyses are not required. A summary of Appendix I well/constituent pairs with 100% non-detects follows this letter.

Time series plots for Appendix I and III 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. A summary of flagged outliers follows this report (Figure C).

Due to varying detection limits in background data sets due to improved laboratory practices, a substitution of the most recent reporting limit is used for all non-detects.

Note that for calculation of intrawell prediction limits, substitution of the most recent reporting limit is performed separately for each well/parameter pair. In some cases, the reporting limit provided by the laboratory contained varying limits for a given parameter; therefore, the substitution may differ from well to well and may result in slight changes in statistical limits between sample events. Substitution of the most recent reporting limit 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.

In earlier analyses, data at all 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 were recommended. Power curves were provided previously, based on a 1-of-3 resample plan for Appendix I constituents and a 1-of-2 resample plan for Appendix III constituents, 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. During this background update, sufficient samples are available for Appendix I constituents to provide sufficient power using a 1-of-2 resample plan. A power curve is provided following this letter. The EPA suggests the selected statistical method should provide at least 55% power at 3 standard deviations or at least 80% power at 4 standard deviations. Power curves were based on the following:

Georgia EPD Appendix I Constituents:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan (all parameters)
- # Constituents: 16
- # Downgradient wells: 29

CCR Appendix III Constituents:

- Semi-Annual Sampling
- Intrawell Prediction Limits with 1-of-2 resample plan – (pH, sulfate, and TDS)
- Interwell Prediction Limits with 1-of-2 resample plan – (boron, calcium, chloride, and fluoride)
- # Constituents: 7
- # Downgradient wells: 29

Parametric prediction limits are utilized when the screened historical data follow a normal or transformed-normal distribution. When data cannot be normalized or the majority of data are non-detects, a nonparametric test is utilized. While the false positive rate associated with the parametric limits is based on an annual 10% (5% per semi-annual 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% non-detects (USEPA Unified Guidance, 2009, Chapter 6).
- When data contain <15% non-detects in background, simple substitution of one-half the reporting limit is utilized in the statistical analysis. The reporting limit utilized for non-detects is the most recent practical quantification limit (PQL) as reported by the laboratory.
- When data contain between 15-50% non-detects, the Kaplan-Meier non-detect adjustment is applied to the background data. This technique adjusts the mean and standard deviation of the historical concentrations to account for concentrations below the reporting limit.
- Nonparametric prediction limits are used on data containing greater than 50% non-detects.

Natural systems continuously evolve due to physical changes made to the environment. Examples include capping a landfill, paving areas near a well, or lining a drainage channel to prevent erosion. Periodic updating of background statistical limits is necessary to accommodate these types of changes. In the interwell case, prediction limits are updated with upgradient well data during each event after careful screening for any new outliers. In the intrawell case, data for all wells and constituents may re-evaluated when a minimum of 4 new data points are available to determine whether earlier concentrations are representative of present-day groundwater quality. In some cases, an earlier portion of data is deselected prior to construction of limits to provide sensitive limits that will rapidly detect changes in groundwater quality. Even though the data are excluded from the calculation, the values will continue to be reported and shown in tables and graphs.

Two-Step Statistical Analysis

Intrawell statistical methods, combined with 1-of-2 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 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 all resamples also exceed the intrawell prediction limit (United State Environmental Protection Agency (USEPA) Unified Guidance, March 2009, Chapter 19). When the resample confirms the initial exceedance, further research would be required to identify the cause of the exceedance (i.e. impact from the site, natural variation, or an off-site source). When any resample falls within the statistical limit, the initial exceedance is considered to be a false positive result, and no further action is necessary. In cases where intrawell and interwell exceedances are noted and no resamples are collected, the initial exceedance will be considered a confirmed statistically significant increase (SSI).

Trend tests, in addition to interwell prediction limits, are recommended for well/constituent pairs found to have an initial intrawell SSI. Trend analysis will provide for detection of long-term changes and potential facility impacts at a given well in cases where the concentrations at that well remain below the sitewide upgradient limits. Thus, the two-step approach has additional capability to detect long-term changes at downgradient wells compared to interwell methods alone. While a trend may be identified by visual inspection, a quantification of the trend and its significance is needed to identify whether concentrations are statistically significantly increasing, decreasing, or remaining stable over time. The absence of a statistically significant increasing trend indicates that an initial intrawell exceedance is short-term and may be the result of natural variation rather than facility impact to groundwater. If a facility impact has occurred, it will likely result in additional exceedances in future sampling events. When a statistically significant increasing trend is noted, additional data may be needed to demonstrate that there is reasonable evidence that the initial intrawell statistical exceedance is a result of natural

variation rather than a result of impact to groundwater quality downgradient of the facility.

Background Screening Summary – Georgia EPD Appendix I – Conducted in August 2019

Outlier Analysis

Time series plots were used to identify suspected outliers, or extreme values that would result in limits that are not representative of the current background data population. Suspected outliers at all wells and parameters were 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 were identified as outliers, values were not flagged in the database at this time (except in cases where they would cause background limits to be elevated) as they may represent a possible trend. If future values do not remain at similar concentrations, these values will be flagged as outliers and deselected. Several low values exist in the data sets and appear on the graphs as possible low outliers relative to the laboratory's Practical Quantitation Limit. However, these values were observed trace values (i.e. measurements reported by the laboratory between the Method Detection Limit and the Practical Quantitation Limit) and, therefore, were not flagged as outliers. Due to changing reporting limits for many constituents, when the non-detects were replaced with the most recent reporting limit, previously flagged "J" values (or estimated values) required flagging as outliers because they were much higher than current reporting limits.

Of the outliers identified by Tukey's method, several values were flagged in the database, and the remaining values were similar to other measurements within a given well or neighboring wells or were reported non-detects. Several other values were flagged in addition to those identified by Tukey's because the values were higher than all remaining concentrations and would cause the statistical limits to be elevated. 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.

Seasonality

No obvious seasonal patterns were observed on the time series plots for any of the detected data; therefore, no deseasonalizing adjustments were made to the data. When seasonal patterns are observed, data may be deseasonalized so that the resulting limits will correctly account for the seasonality as a predictable pattern rather than random variation or a release.

Trend Test Analysis

While trends may be identified by visual inspection, a quantification of the trend and its significance is needed. The Sen's Slope/Mann Kendall trend test, which tests for statistically significant increasing or decreasing trends, was used to evaluate data at all upgradient wells and downgradient wells with detections.

In the absence of suspected contamination, significant trending data are typically not included as part of the background data used for construction of prediction limits. This step serves to eliminate the trend and, thus, reduce variation in background. When statistically significant decreasing trends are present, all available data are evaluated to determine whether earlier concentration levels are significantly different from current reported concentrations and will be deselected as necessary. When any records of data are truncated for the reasons above, a summary report will be provided to show the date ranges used in construction of the statistical limits. The required adjustments to the background data are performed by truncating data at the beginning of the record and the truncated data may be seen in a lighter font on the prediction limit data pages.

The results of the trend analyses showed several statistically significant increasing and decreasing trends; however, the majority of these were relatively low in magnitude when compared to average concentrations; therefore, most records required no adjustments at that time.

Exceptions included cobalt and nickel in downgradient well GWC-14 for which current measurements were higher than those reported historically for this well as well as higher than those observed upgradient of the facility. Therefore, trend tests were recommended in lieu of prediction limits and data prior to August 2017 were truncated for cobalt and nickel. An alternate source demonstration was, reportedly, prepared for cobalt and nickel and demonstrated that the concentration levels of these constituents are not a result of practices of the facility. During the current background update, these records were updated to use current data for construction of prediction limits and are included in the analysis.

Determination of Spatial Variation

The Analysis of Variance (ANOVA) was used to statistically evaluate differences in average concentrations among upgradient wells for constituents detected in downgradient wells. The ANOVA assists in identifying the most appropriate statistical approach. Interwell tests, which compare downgradient well data to statistical limits constructed from pooled upgradient well data, are appropriate when average concentrations are similar across upgradient wells. Intrawell tests, which compare compliance data from a single well to screened historical data within the same well, are appropriate when upgradient wells exhibit spatial variation; when statistical limits constructed from upgradient wells are not representative of the current background data population; and when downgradient water quality is unimpacted compared to upgradient water quality for the same parameter.

The ANOVA identified statistical differences among the means or medians of the upgradient well data for the following constituents: barium, beryllium, cadmium, cobalt, copper, nickel, silver, and zinc. No differences were noted for antimony, arsenic, chromium, mercury, selenium, thallium, and vanadium. The ANOVA could not test lead as the upgradient well data had no variation.

Because this is a lined landfill with pre-waste data that show metals were present naturally in low level detections during the collection of background data, intrawell prediction limits were recommended as the most appropriate statistical analysis at this landfill. It was also noted that for some constituents the reported concentrations were higher in upgradient wells which would result in limits that would not readily detect subtle changes in concentrations in downgradient wells.

Background Update Summaries

CCR Appendix III – Conducted in March 2020

Outlier Analysis

Prior to updating background data for Appendix III constituents, Tukey's outlier test and visual screening were used to evaluate data through September 2019. Tukey's test was used on all wells for constituents evaluated using intrawell methods and for only upgradient wells for constituents evaluated using interwell methods. While Tukey's test identified several outliers, only the most extreme values were flagged as such in the database because a number of the values appeared to be representative of natural variation in both upgradient and downgradient wells. Other values, not identified by

Tukey's test, were identified visually and flagged as outliers in order to obtain statistical limits that are conservative (lower) from a regulatory perspective.

As mentioned above, 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. An updated summary of flagged outliers follows this letter.

Mann-Whitney Evaluation

For constituents requiring intrawell prediction limits (pH, sulfate, and TDS), the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through August 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. The results of the Mann-Whitney test and discussion regarding updating background records were included with the background update report. Note that the record for sulfate at GWC-5 was adjusted to use the most recent 8 samples through September 2019 to construct the intrawell prediction limit at this well. All records for constituents using intrawell methods will be re-evaluated during the next background update as discussed earlier. The results and a summary of the background update were submitted with the report.

Background Update (GWA-3, GWC-10, GWC-24) – August 2021

Outlier Analysis

During the August 2021 analysis, the records for copper, nickel, silver, vanadium, and zinc in downgradient wells GWC-10 and GWC-24 and upgradient well GWA-3 were re-evaluated for outliers and trends through December 2020 Tin order to construct statistical limits with at least 8 values in background.

Tukey's outlier test and visual screening were used to evaluate data at these wells through December 2020. Note that for some well/constituent pairs, Tukey's test results were invalidated because the upper and lower quartiles were equal. While Tukey's test did not identify any outliers, the highest values for copper, silver, and zinc in well GWC-10 were identified visually through time series graphs and flagged as outliers since they did not appear to represent the population for these constituents at this well. This step reduces variation and results in statistical limits that are conservative (i.e., lower) from a regulatory perspective.

As mentioned above, flagged data are displayed in a lighter font and as a disconnected symbol on the time series reports, as well as in a lighter font on the accompanying data pages. A summary of all flagged outliers follows this letter.

Trend Test Evaluation

As mentioned above, 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 wells GWA-3, GWC-10, and GWC-24 for copper, nickel, silver, vanadium, and zinc No significant trends were identified among data through December 2020 for any of the aforementioned well/constituent pairs; therefore, no adjustments were required. The trend test results were included with the August 2021 report.

Background Update Summary – Appendix I and III Constituents – March 2022

Outlier Analysis

Prior to updating background data, Tukey's outlier test and visual screening were used to evaluate data through August 2021 (Figure C). Tukey's test was used on all wells for Appendix I and III constituents evaluated using intrawell methods and for upgradient wells (pooled data) for Appendix III constituents evaluated using interwell methods. While Tukey's test identified several outliers, only the most extreme values were flagged as such in the database because a number of the values appeared to be representative of natural variation in both upgradient and downgradient wells or resulted from reported trace values compared to nondetect measurements within a record. Other values, not identified by Tukey's test, were identified visually and flagged as outliers in order to obtain statistical limits that are conservative (lower) from a regulatory perspective.

As mentioned above, 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. An updated summary of flagged outliers follows this letter.

Mann-Whitney Evaluation

For constituents requiring intrawell prediction limits (all Appendix I constituents and pH, sulfate and TDS for the Appendix III constituents), the Mann-Whitney (Wilcoxon Rank Sum) test was used to compare the medians of historical data through June 2018 and September 2019, respectively, to new compliance samples at each well through August 2021 (Figures D and E). Background data sets for upgradient well GWA-3 and

downgradient wells GWC-10 and GWC-24 for copper, nickel, silver, vanadium, and zinc were last updated during August 2021. The Mann-Whitney test requires a minimum of four compliance measurements. Therefore, these records currently have insufficient samples to test for updating and will be evaluated for updating during the 2024 background update along with all other records.

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. The Mann-Whitney test identified several statistically significant results. However, many of the differences resulted from reported trace values compared to nondetect results within a given record. In some cases, while the median of the compliance data was identified as significantly different from the historical median, the reported concentrations in more recent data were similar to those reported historically. In other cases, such as barium in wells GWC-12, GWC-16, GWC-18, GWC-21, GWC-26, and GWC-34 and zinc in well GWC-14, which had statistically significant increasing medians, the reported measurements at these wells are significantly lower than those reported in one or more upgradient wells indicating natural variation in groundwater quality.

Therefore, all records were updated through August 2021 except for barium in well GWC-14 where compliance concentrations are higher than historical concentrations within this well, and higher than concentrations reported in upgradient wells. Further research beyond the scope of this analysis would be required to understand the cause of the increased concentrations. A trend test is recommended in lieu of an intrawell prediction limit for this well/constituent pair. If further research confirms the more recent measurements are a result of naturally changing groundwater quality, a prediction limit will be constructed using data that represents present-day groundwater quality conditions.

Additionally, the records for cobalt in wells GWC-5 and GWC-7 were truncated to use the more recent portion of the records with lower reported concentrations than those reported historically within each record. This step serves to provide prediction limits that are conservative (i.e., lower) from a regulatory perspective.

A summary of background date ranges for these well/constituent pairs, along with other well/constituent pairs with truncated records, follows this letter. All records for constituents using intrawell methods will be re-evaluated during the next background update as discussed earlier.

Upgradient Well Trend Tests – Interwell Testing

The Sen's Slope/Mann Kendall trend test was used to evaluate data at upgradient wells for each of the Appendix III constituents requiring interwell prediction limits (boron, calcium, chloride, and fluoride) to identify statistically significant increasing or decreasing trends in background (Figure F). The results of the trend analyses showed no statistically significant increasing or decreasing trends except for a statistically significantly decreasing trend in upgradient well GWA-29 for fluoride. Reported measurements in this well were similar to those in neighboring upgradient wells. Therefore, no adjustments were required.

Statistical Analysis of Georgia EPD Appendix I Constituents – February/March 2022

Intrawell limits constructed from carefully screened background data from within each well serve to provide statistical limits that are representative of the background data population, and that will rapidly identify a change in more recent compliance data from within a given well. The most recent sample from the same well is compared to its respective background. This statistical method removes the element of variation from across wells and eliminates the chance of mistaking natural spatial variation for a release from the facility.

In cases where downgradient average concentrations are higher than observed upgradient concentrations for a given constituent where intrawell analyses are recommended, the current assumption is that this is due to natural spatial variation rather than a result of practices at the landfill. Validation of this assumption requires a separate analysis or investigation that is beyond the scope of this data screening study. However, for this site, the pre-waste data support the assumption of natural variation rather than impacts of the landfill.

Intrawell Prediction Limits

Intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all available data through August 2021, except for the cases mentioned above, for each well with detections (Figure G). The February/March 2022 compliance data are compared to these intrawell background limits. As previously discussed, a trend test was used in lieu of a prediction limit for barium in downgradient well GWC-14 and is included with the trend tests for prediction limit exceedances (Figure L). No statistical analyses were required for well/constituent pairs with 100% non-detects.

In the event of an initial exceedance of compliance well data, the 1-of-2 resample plan allows for collection of an additional sample to determine whether the initial exceedance

is confirmed. When the resample confirms the initial exceedance, a statistically significant increase (SSI) is identified, and further research would be required to identify the cause of the exceedance (i.e. impact from the site, natural variation, or an off-site source). If the 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 the Georgia EPD prediction limits follows this report. Statistical exceedances were noted for the following well/constituent pairs:

- Copper: GWC-22
- Mercury: GWC-14
- Zinc: GWC-33

Note that the exceedances for copper and mercury result from having more significant digits in the reported observations than in the limit.

Two-Step Approach

Following the two-step analysis procedure, interwell prediction limits were then constructed using pooled upgradient well data to evaluate the initial intrawell prediction limit exceedances for the downgradient well/constituent pairs mentioned above (Figure H). The following exceedances were noted:

- Mercury: GWC-14
- Zinc: GWC-33

Trend Test Analysis

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 L). Additionally, barium at well GWC-14 was evaluated using a trend test in lieu of an intrawell prediction limit. 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. The following statistically significant trends were identified:

Increasing:

- Barium: GWA-4 (upgradient) and GWC-14

Decreasing

- Copper: GWA-29 (upgradient)

When similar trends are identified for constituents upgradient of the facility, it is an indication of naturally changing groundwater quality. Further research would be needed to determine if the change in concentrations for barium in downgradient well GWC-14 is also a result of naturally changing groundwater quality.

Statistical Analysis of CCR Appendix III Parameters – August 2021

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. 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).

Intrawell Prediction Limits

For sulfate, pH, and TDS, intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed using all historical data through August 2021, except for the case of sulfate in well GWC-5 which uses historical data from 8/31/2011 through 8/19/2021 (Figure I). The February/March 2022 samples were compared to established statistical limits. Exceedances were noted for the following well/constituent pairs:

- Sulfate: GWC-12, GWC-15, GWC-16, GWC-18, and GWC-21

Two-Step Approach

Following the two-step analysis procedure as mentioned above, interwell prediction limits were also constructed using pooled upgradient well data to evaluate the initial intrawell prediction limit exceedances (Figure J). No interwell prediction limit exceedances were noted; therefore, no statistically significant increase (SSI) is identified, and no further action is necessary.

Interwell Prediction Limits

For boron, calcium, chloride, and fluoride which are evaluated using all historical upgradient well data through February/March 2022 to construct interwell prediction limits combined with a 1-of-2 resample plan (Figure K). Exceedances were noted for boron at wells GWC-12, GWC-14, and GWC-15 and for chloride at GWC-14.

Trend Test Analysis

Data from downgradient well/constituent pairs for Appendix III constituents found to exceed their respective prediction limit were further evaluated using the Sen's Slope/Mann Kendall trend test along with upgradient wells for the same constituents (Figure L). Upgradient wells are included in the trend analyses for all parameters found to exceed their prediction limit in downgradient wells to identify whether similar patterns exist upgradient of the site. Such patterns are an indication of natural variability in groundwater unrelated to practices at the site. The following statistically significant increasing trend was identified:

- Sulfate: GWC-12

No other statistically significant trends were identified for the Appendix III constituents. A summary of the trend test results follows this letter.

Summary

Based on the results of the Appendix I and III constituents requiring intrawell prediction limits combined with interwell prediction limits to evaluate apparent exceedances according to the Two-Step Approach, as well as the Appendix III constituents evaluated using interwell prediction limits, the following downgradient prediction limit exceedances were identified:

Appendix I

- Mercury: GWC-14
- Zinc: GWC-33

Appendix III

- Boron: GWC-12, GWC-14, and GWC-15
- Chloride: GWC-14

As discussed earlier, a trend test was used to evaluate barium concentrations at well GWC-14 due to higher concentrations in more recent data compared to those reported historically as well as concentrations reported in upgradient wells. Statistically significant increasing trends were identified in upgradient well GWA-4 and downgradient well GWC-14. Further research would be required to determine if the increasing trend in well GWC-14 reflects natural variation in groundwater quality similar to the changing concentrations upgradient of the facility.

Resample Reports – May 2022

Appendix I Constituents

Resamples were collected in May 2022 for the apparent intrawell prediction limit exceedances identified for mercury in downgradient well GWC-14 and zinc in downgradient well GWC-33. Intrawell prediction limits, combined with a 1-of-2 resample plan, were constructed for mercury and zinc at these wells using all available data through August 2021 to evaluate the resamples (Figure M). The following exceedance was noted:

- Zinc: GWC-33

Following the Two-Step procedure as mentioned above, interwell prediction limits were also constructed using pooled upgradient well data to evaluate the intrawell prediction limit exceedance of zinc at well GWC-33 (Figure N). No interwell prediction limit exceedance was noted; therefore, no statistically significant increases (SSIs) were identified for the Appendix I constituents, and no further action is necessary.

Appendix III Constituents

Resamples were collected in May 2022 for the apparent interwell prediction limit exceedances identified for boron in wells GWC-12, GWC-14, and GWC-15. Interwell prediction limits, combined with a 1-of-2 resample plan, were constructed for boron using pooled upgradient well data through March 2022 (Figure O). The following exceedances were noted:

- Boron: GWC-14 and GWC-15

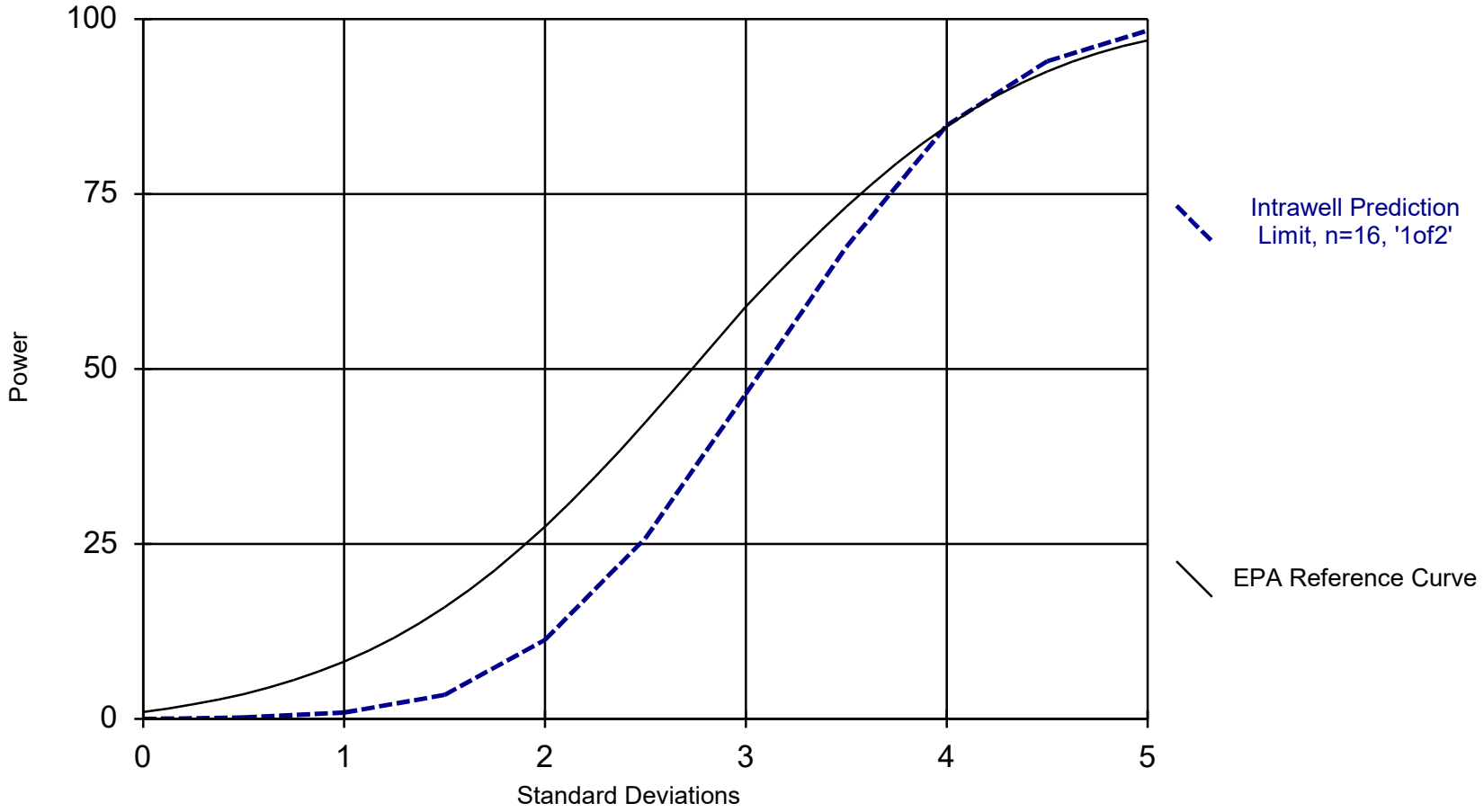
Thank you for the opportunity to assist you in the statistical analysis of groundwater quality for Plant Wansley Landfill. If you have any questions or comments, please feel free to contact us.

For Groundwater Stats Consulting,

Kristina Rayner
Groundwater Statistician

Power Curve

Intrawell Prediction Limits - Appendix I Constituents



Kappa = 3.056, based on 29 compliance wells and 16 constituents, evaluated semi-annually (this report reflects annual total).

Analysis Run 5/11/2022 8:57 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

100% Non-Detects - Appendix I

Analysis Run 5/14/2022 10:45 AM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Antimony (mg/L)
GWA-1, GWA-4, GWC-12, GWC-14, GWC-15, GWC-16, GWC-17, GWC-19, GWC-20, GWC-21, GWC-34, GWC-35, GWC-7, GWC-8, GWC-9

Arsenic (mg/L)
GWC-10, GWC-15, GWC-27, GWC-30

Beryllium (mg/L)
GWA-4, GWC-10, GWC-13, GWC-5, GWC-7

Cadmium (mg/L)
GWA-2, GWA-28, GWA-4, GWC-10, GWC-12, GWC-13, GWC-15, GWC-16, GWC-17, GWC-18, GWC-20, GWC-23, GWC-26, GWC-27, GWC-30, GWC-31, GWC-32, GWC-33, GWC-34, GWC-35, GWC-5, GWC-6, GWC-7, GWC-9

Cobalt (mg/L)
GWA-28, GWC-13, GWC-17, GWC-18, GWC-30

Copper (mg/L)
GWA-1, GWA-4, GWC-18, GWC-30, GWC-32, GWC-7

Lead (mg/L)
GWA-1, GWC-13, GWC-14, GWC-16, GWC-32, GWC-35, GWC-6, GWC-7

Nickel (mg/L)
GWC-30

Selenium (mg/L)
GWA-2, GWA-3, GWC-10, GWC-17, GWC-19, GWC-20, GWC-23, GWC-24, GWC-34, GWC-7

Silver (mg/L)
GWA-1, GWA-2, GWA-28, GWA-3, GWA-4, GWC-10, GWC-13, GWC-15, GWC-18, GWC-19, GWC-20, GWC-30, GWC-34, GWC-35, GWC-7, GWC-8, GWC-9

Thallium (mg/L)
GWA-28, GWA-29, GWA-3, GWC-10, GWC-16, GWC-17, GWC-18, GWC-26, GWC-32, GWC-5

Date Ranges

Date: 5/14/2022 12:35 PM

Plant Wansley Client: Southern Company Data: Wansley Landfill

Cobalt (mg/L)
- GWC-14 background:3/30/2016-8/23/2021
- GWC-5 background:7/17/2013-8/19/2021
- GWC-7 background:6/24/2014-8/19/2021

Copper (mg/L)
- GWA-3 background:8/31/2011-9/9/2020
- GWC-10 background:1/25/2016-3/17/2020
- GWC-24 background:7/8/2014-9/15/2020

Nickel (mg/L)
- GWA-3 background:8/31/2011-9/9/2020
- GWC-10 background:1/25/2016-9/10/2020
- GWC-14 background:1/27/2016-8/23/2021
- GWC-24 background:7/8/2014-9/15/2020

Silver (mg/L)
- GWA-3 background:8/31/2011-9/9/2020
- GWC-10 background:1/25/2016-9/10/2020
- GWC-24 background:7/8/2014-9/15/2020

Sulfate as SO4 (mg/L)
- GWC-5 background:5/1/2017-8/19/2021

Vanadium (mg/L)
- GWA-3 background:8/31/2011-9/9/2020
- GWC-10 background:1/25/2016-9/10/2020
- GWC-24 background:7/8/2014-9/15/2020

Zinc (mg/L)
- GWA-3 background:8/31/2011-9/9/2020
- GWC-10 background:1/25/2016-12/2/2020
- GWC-14 background:1/27/2016-8/23/2021
- GWC-24 background:7/8/2014-9/15/2020

Mann-Whitney Summary Appendix I - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 11:27 AM

Constituent	Well	Calc.	0.01	Sig.	Method
Antimony (mg/L)	GWC-13	-2.664	Yes	Yes	Mann-W
Arsenic (mg/L)	GWC-11	-2.713	Yes	Yes	Mann-W
Arsenic (mg/L)	GWC-12	-2.592	Yes	Yes	Mann-W
Arsenic (mg/L)	GWC-14	-2.738	Yes	Yes	Mann-W
Arsenic (mg/L)	GWC-21	-2.664	Yes	Yes	Mann-W
Arsenic (mg/L)	GWC-8	-2.738	Yes	Yes	Mann-W
Arsenic (mg/L)	GWC-9	-3.178	Yes	Yes	Mann-W
Barium (mg/L)	GWC-12	3.661	Yes	Yes	Mann-W
Barium (mg/L)	GWC-14	3.14	Yes	Yes	Mann-W
Barium (mg/L)	GWC-16	3.07	Yes	Yes	Mann-W
Barium (mg/L)	GWC-18	3.641	Yes	Yes	Mann-W
Barium (mg/L)	GWC-21	3.779	Yes	Yes	Mann-W
Barium (mg/L)	GWC-26	2.587	Yes	Yes	Mann-W
Barium (mg/L)	GWC-30	2.751	Yes	Yes	Mann-W
Barium (mg/L)	GWC-34	2.88	Yes	Yes	Mann-W
Beryllium (mg/L)	GWA-1 (bg)	-3.173	Yes	Yes	Mann-W
Beryllium (mg/L)	GWC-12	-2.664	Yes	Yes	Mann-W
Beryllium (mg/L)	GWC-16	-2.664	Yes	Yes	Mann-W
Beryllium (mg/L)	GWC-19	-2.664	Yes	Yes	Mann-W
Beryllium (mg/L)	GWC-21	-2.664	Yes	Yes	Mann-W
Beryllium (mg/L)	GWC-22	-3.296	Yes	Yes	Mann-W
Beryllium (mg/L)	GWC-25	-2.609	Yes	Yes	Mann-W
Beryllium (mg/L)	GWC-26	-2.664	Yes	Yes	Mann-W
Beryllium (mg/L)	GWC-33	-2.915	Yes	Yes	Mann-W
Beryllium (mg/L)	GWC-8	-2.664	Yes	Yes	Mann-W
Cadmium (mg/L)	GWC-14	-2.907	Yes	Yes	Mann-W
Cadmium (mg/L)	GWC-22	-3.296	Yes	Yes	Mann-W
Cobalt (mg/L)	GWA-1 (bg)	-3.704	Yes	Yes	Mann-W
Cobalt (mg/L)	GWA-2 (bg)	-4.485	Yes	Yes	Mann-W
Cobalt (mg/L)	GWA-3 (bg)	-2.826	Yes	Yes	Mann-W
Cobalt (mg/L)	GWC-11	-3.729	Yes	Yes	Mann-W
Cobalt (mg/L)	GWC-12	-3.836	Yes	Yes	Mann-W
Cobalt (mg/L)	GWC-19	-3.519	Yes	Yes	Mann-W
Cobalt (mg/L)	GWC-22	-2.664	Yes	Yes	Mann-W
Cobalt (mg/L)	GWC-23	-2.823	Yes	Yes	Mann-W
Cobalt (mg/L)	GWC-26	-2.778	Yes	Yes	Mann-W
Cobalt (mg/L)	GWC-35	-4.19	Yes	Yes	Mann-W
Cobalt (mg/L)	GWC-5	-3.507	Yes	Yes	Mann-W
Copper (mg/L)	GWA-2 (bg)	-2.915	Yes	Yes	Mann-W
Copper (mg/L)	GWC-26	-3.485	Yes	Yes	Mann-W
Copper (mg/L)	GWC-8	-2.598	Yes	Yes	Mann-W
Lead (mg/L)	GWA-29 (bg)	-4.211	Yes	Yes	Mann-W
Lead (mg/L)	GWC-11	-2.664	Yes	Yes	Mann-W
Lead (mg/L)	GWC-19	-3.07	Yes	Yes	Mann-W
Lead (mg/L)	GWC-20	-2.611	Yes	Yes	Mann-W
Lead (mg/L)	GWC-21	-3.296	Yes	Yes	Mann-W
Lead (mg/L)	GWC-22	-2.664	Yes	Yes	Mann-W
Lead (mg/L)	GWC-23	-3.296	Yes	Yes	Mann-W
Lead (mg/L)	GWC-24	-2.667	Yes	Yes	Mann-W
Lead (mg/L)	GWC-25	-4.21	Yes	Yes	Mann-W
Lead (mg/L)	GWC-27	-3.858	Yes	Yes	Mann-W
Lead (mg/L)	GWC-31	-3.273	Yes	Yes	Mann-W
Lead (mg/L)	GWC-33	-3.229	Yes	Yes	Mann-W
Nickel (mg/L)	GWA-1 (bg)	-4.633	Yes	Yes	Mann-W
Nickel (mg/L)	GWA-2 (bg)	-3.757	Yes	Yes	Mann-W

Mann-Whitney Summary Appendix I - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 11:27 AM

Constituent	Well	Calc.	0.01	Sig.	Method
Nickel (mg/L)	**GWA-28 (bg)**	**-3.418**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWA-29 (bg)**	**-2.745**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-13**	**-3.748**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-17**	**-2.798**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-19**	**-4.634**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-21**	**-4.633**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-23**	**-4.196**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-26**	**-3.321**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-27**	**-2.796**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-34**	**-4.254**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-35**	**-3.786**	**Yes**	**Yes**	**Mann-W**
Thallium (mg/L)	**GWA-1 (bg)**	**-3.858**	**Yes**	**Yes**	**Mann-W**
Thallium (mg/L)	**GWC-15**	**-2.664**	**Yes**	**Yes**	**Mann-W**
Thallium (mg/L)	**GWC-21**	**-3.296**	**Yes**	**Yes**	**Mann-W**
Thallium (mg/L)	**GWC-22**	**-3.296**	**Yes**	**Yes**	**Mann-W**
Vanadium (mg/L)	**GWA-28 (bg)**	**3.055**	**Yes**	**Yes**	**Mann-W**
Vanadium (mg/L)	**GWA-29 (bg)**	**2.684**	**Yes**	**Yes**	**Mann-W**
Vanadium (mg/L)	**GWC-26**	**2.681**	**Yes**	**Yes**	**Mann-W**
Vanadium (mg/L)	**GWC-30**	**-2.596**	**Yes**	**Yes**	**Mann-W**
Zinc (mg/L)	**GWC-14**	**3.488**	**Yes**	**Yes**	**Mann-W**

Mann-Whitney Summary Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 11:27 AM

Constituent	Well	Calc.	0.01	Sig.	Method
Antimony (mg/L)	GWA-2 (bg)	-0.05668	No	No	Mann-W
Antimony (mg/L)	GWA-28 (bg)	0.2825	No	No	Mann-W
Antimony (mg/L)	GWA-29 (bg)	-0.1743	No	No	Mann-W
Antimony (mg/L)	GWA-3 (bg)	1.196	No	No	Mann-W
Antimony (mg/L)	GWC-10	-0.5549	No	No	Mann-W
Antimony (mg/L)	GWC-11	-0.6305	No	No	Mann-W
Antimony (mg/L)	**GWC-13**	**-2.664**	**Yes**	**Yes**	**Mann-W**
Antimony (mg/L)	GWC-18	-0.6305	No	No	Mann-W
Antimony (mg/L)	GWC-22	0.4729	No	No	Mann-W
Antimony (mg/L)	GWC-23	0.4729	No	No	Mann-W
Antimony (mg/L)	GWC-24	0.7014	No	No	Mann-W
Antimony (mg/L)	GWC-25	0.4835	No	No	Mann-W
Antimony (mg/L)	GWC-26	0.7368	No	No	Mann-W
Antimony (mg/L)	GWC-27	0.7368	No	No	Mann-W
Antimony (mg/L)	GWC-30	-0.565	No	No	Mann-W
Antimony (mg/L)	GWC-31	-1.018	No	No	Mann-W
Antimony (mg/L)	GWC-32	-1.891	No	No	Mann-W
Antimony (mg/L)	GWC-33	-1.853	No	No	Mann-W
Antimony (mg/L)	GWC-5	-1.7	No	No	Mann-W
Antimony (mg/L)	GWC-6	-1.891	No	No	Mann-W
Arsenic (mg/L)	GWA-1 (bg)	-1.891	No	No	Mann-W
Arsenic (mg/L)	GWA-2 (bg)	-1.891	No	No	Mann-W
Arsenic (mg/L)	GWA-28 (bg)	0.4729	No	No	Mann-W
Arsenic (mg/L)	GWA-29 (bg)	0.7721	No	No	Mann-W
Arsenic (mg/L)	GWA-3 (bg)	0.7559	No	No	Mann-W
Arsenic (mg/L)	GWA-4 (bg)	-0.7467	No	No	Mann-W
Arsenic (mg/L)	**GWC-11**	**-2.713**	**Yes**	**Yes**	**Mann-W**
Arsenic (mg/L)	**GWC-12**	**-2.592**	**Yes**	**Yes**	**Mann-W**
Arsenic (mg/L)	GWC-13	-0.05668	No	No	Mann-W
Arsenic (mg/L)	**GWC-14**	**-2.738**	**Yes**	**Yes**	**Mann-W**
Arsenic (mg/L)	GWC-16	0.4729	No	No	Mann-W
Arsenic (mg/L)	GWC-17	-1.891	No	No	Mann-W
Arsenic (mg/L)	GWC-18	0.7368	No	No	Mann-W
Arsenic (mg/L)	GWC-19	-1.7	No	No	Mann-W
Arsenic (mg/L)	GWC-20	-1.02	No	No	Mann-W
Arsenic (mg/L)	**GWC-21**	**-2.664**	**Yes**	**Yes**	**Mann-W**
Arsenic (mg/L)	GWC-22	-1.02	No	No	Mann-W
Arsenic (mg/L)	GWC-23	-1.02	No	No	Mann-W
Arsenic (mg/L)	GWC-24	0.6061	No	No	Mann-W
Arsenic (mg/L)	GWC-25	-0.5301	No	No	Mann-W
Arsenic (mg/L)	GWC-26	0.4729	No	No	Mann-W
Arsenic (mg/L)	GWC-31	-0.6164	No	No	Mann-W
Arsenic (mg/L)	GWC-32	-1.02	No	No	Mann-W
Arsenic (mg/L)	GWC-33	-0.6447	No	No	Mann-W
Arsenic (mg/L)	GWC-34	-0.05668	No	No	Mann-W
Arsenic (mg/L)	GWC-35	0.4729	No	No	Mann-W
Arsenic (mg/L)	GWC-5	-0.6305	No	No	Mann-W
Arsenic (mg/L)	GWC-6	0.4729	No	No	Mann-W
Arsenic (mg/L)	GWC-7	-1.13	No	No	Mann-W
Arsenic (mg/L)	**GWC-8**	**-2.738**	**Yes**	**Yes**	**Mann-W**
Arsenic (mg/L)	**GWC-9**	**-3.178**	**Yes**	**Yes**	**Mann-W**
Barium (mg/L)	GWA-1 (bg)	0.9893	No	No	Mann-W
Barium (mg/L)	GWA-2 (bg)	-1.952	No	No	Mann-W
Barium (mg/L)	GWA-28 (bg)	1.228	No	No	Mann-W
Barium (mg/L)	GWA-29 (bg)	2.356	No	No	Mann-W

Mann-Whitney Summary Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 11:27 AM

Constituent	Well	Calc.	0.01	Sig.	Method
Barium (mg/L)	GWA-3 (bg)	2.281	No	No	Mann-W
Barium (mg/L)	GWA-4 (bg)	0.9119	No	No	Mann-W
Barium (mg/L)	GWC-10	0.9338	No	No	Mann-W
Barium (mg/L)	GWC-11	-1.326	No	No	Mann-W
Barium (mg/L)	**GWC-12**	**3.661**	**Yes**	**Yes**	**Mann-W**
Barium (mg/L)	GWC-13	1.032	No	No	Mann-W
Barium (mg/L)	**GWC-14**	**3.14**	**Yes**	**Yes**	**Mann-W**
Barium (mg/L)	GWC-15	0.9099	No	No	Mann-W
Barium (mg/L)	**GWC-16**	**3.07**	**Yes**	**Yes**	**Mann-W**
Barium (mg/L)	GWC-17	0.6828	No	No	Mann-W
Barium (mg/L)	**GWC-18**	**3.641**	**Yes**	**Yes**	**Mann-W**
Barium (mg/L)	GWC-19	1.962	No	No	Mann-W
Barium (mg/L)	GWC-20	-0.8934	No	No	Mann-W
Barium (mg/L)	**GWC-21**	**3.779**	**Yes**	**Yes**	**Mann-W**
Barium (mg/L)	GWC-22	-0.2263	No	No	Mann-W
Barium (mg/L)	GWC-23	-1.3	No	No	Mann-W
Barium (mg/L)	GWC-24	-1.8	No	No	Mann-W
Barium (mg/L)	GWC-25	0.3317	No	No	Mann-W
Barium (mg/L)	**GWC-26**	**2.587**	**Yes**	**Yes**	**Mann-W**
Barium (mg/L)	GWC-27	0.4182	No	No	Mann-W
Barium (mg/L)	**GWC-30**	**2.751**	**Yes**	**Yes**	**Mann-W**
Barium (mg/L)	GWC-31	-1.031	No	No	Mann-W
Barium (mg/L)	GWC-32	1.878	No	No	Mann-W
Barium (mg/L)	GWC-33	-0.1786	No	No	Mann-W
Barium (mg/L)	**GWC-34**	**2.88**	**Yes**	**Yes**	**Mann-W**
Barium (mg/L)	GWC-35	2.335	No	No	Mann-W
Barium (mg/L)	GWC-5	-0.4187	No	No	Mann-W
Barium (mg/L)	GWC-6	0.5406	No	No	Mann-W
Barium (mg/L)	GWC-7	-2.481	No	No	Mann-W
Barium (mg/L)	GWC-8	-1.89	No	No	Mann-W
Barium (mg/L)	GWC-9	-0.0986	No	No	Mann-W
Beryllium (mg/L)	**GWA-1 (bg)**	**-3.173**	**Yes**	**Yes**	**Mann-W**
Beryllium (mg/L)	GWA-2 (bg)	-0.3766	No	No	Mann-W
Beryllium (mg/L)	GWA-28 (bg)	-1.25	No	No	Mann-W
Beryllium (mg/L)	GWA-29 (bg)	0.3198	No	No	Mann-W
Beryllium (mg/L)	GWA-3 (bg)	-1.26	No	No	Mann-W
Beryllium (mg/L)	GWC-11	-1.789	No	No	Mann-W
Beryllium (mg/L)	**GWC-12**	**-2.664**	**Yes**	**Yes**	**Mann-W**
Beryllium (mg/L)	GWC-14	-2.044	No	No	Mann-W
Beryllium (mg/L)	GWC-15	-1.891	No	No	Mann-W
Beryllium (mg/L)	**GWC-16**	**-2.664**	**Yes**	**Yes**	**Mann-W**
Beryllium (mg/L)	GWC-17	-1.891	No	No	Mann-W
Beryllium (mg/L)	GWC-18	-1.891	No	No	Mann-W
Beryllium (mg/L)	**GWC-19**	**-2.664**	**Yes**	**Yes**	**Mann-W**
Beryllium (mg/L)	GWC-20	-1.891	No	No	Mann-W
Beryllium (mg/L)	**GWC-21**	**-2.664**	**Yes**	**Yes**	**Mann-W**
Beryllium (mg/L)	**GWC-22**	**-3.296**	**Yes**	**Yes**	**Mann-W**
Beryllium (mg/L)	GWC-23	-0.9069	No	No	Mann-W
Beryllium (mg/L)	GWC-24	-0.6079	No	No	Mann-W
Beryllium (mg/L)	**GWC-25**	**-2.609**	**Yes**	**Yes**	**Mann-W**
Beryllium (mg/L)	**GWC-26**	**-2.664**	**Yes**	**Yes**	**Mann-W**
Beryllium (mg/L)	GWC-27	-1.522	No	No	Mann-W
Beryllium (mg/L)	GWC-30	0.4729	No	No	Mann-W
Beryllium (mg/L)	GWC-31	-2.468	No	No	Mann-W
Beryllium (mg/L)	GWC-32	2.07	No	No	Mann-W

Mann-Whitney Summary Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 11:27 AM

Constituent	Well	Calc.	0.01	Sig.	Method
Beryllium (mg/L)	**GWC-33**	**-2.915**	**Yes**	**Yes**	**Mann-W**
Beryllium (mg/L)	GWC-34	-1.369	No	No	Mann-W
Beryllium (mg/L)	GWC-35	-1.203	No	No	Mann-W
Beryllium (mg/L)	GWC-6	0.4729	No	No	Mann-W
Beryllium (mg/L)	**GWC-8**	**-2.664**	**Yes**	**Yes**	**Mann-W**
Beryllium (mg/L)	GWC-9	-0.6669	No	No	Mann-W
Cadmium (mg/L)	GWA-1 (bg)	0.4729	No	No	Mann-W
Cadmium (mg/L)	GWA-29 (bg)	0.4949	No	No	Mann-W
Cadmium (mg/L)	GWA-3 (bg)	0.6953	No	No	Mann-W
Cadmium (mg/L)	GWC-11	-0.565	No	No	Mann-W
Cadmium (mg/L)	**GWC-14**	**-2.907**	**Yes**	**Yes**	**Mann-W**
Cadmium (mg/L)	GWC-21	-1.977	No	No	Mann-W
Cadmium (mg/L)	**GWC-22**	**-3.296**	**Yes**	**Yes**	**Mann-W**
Cadmium (mg/L)	GWC-24	0.9515	No	No	Mann-W
Cadmium (mg/L)	GWC-25	-1.853	No	No	Mann-W
Cadmium (mg/L)	GWC-8	-1.891	No	No	Mann-W
Chromium (mg/L)	GWA-1 (bg)	-0.7467	No	No	Mann-W
Chromium (mg/L)	GWA-2 (bg)	-0.4155	No	No	Mann-W
Chromium (mg/L)	GWA-28 (bg)	-0.1799	No	No	Mann-W
Chromium (mg/L)	GWA-29 (bg)	-0.3095	No	No	Mann-W
Chromium (mg/L)	GWA-3 (bg)	0.4658	No	No	Mann-W
Chromium (mg/L)	GWA-4 (bg)	0.3735	No	No	Mann-W
Chromium (mg/L)	GWC-10	-0.5322	No	No	Mann-W
Chromium (mg/L)	GWC-11	-0.1722	No	No	Mann-W
Chromium (mg/L)	GWC-12	1.867	No	No	Mann-W
Chromium (mg/L)	GWC-13	1.079	No	No	Mann-W
Chromium (mg/L)	GWC-14	-1.13	No	No	Mann-W
Chromium (mg/L)	GWC-15	-0.05668	No	No	Mann-W
Chromium (mg/L)	GWC-16	-0.7276	No	No	Mann-W
Chromium (mg/L)	GWC-17	0.2355	No	No	Mann-W
Chromium (mg/L)	GWC-18	0.3735	No	No	Mann-W
Chromium (mg/L)	GWC-19	2.354	No	No	Mann-W
Chromium (mg/L)	GWC-20	1.133	No	No	Mann-W
Chromium (mg/L)	GWC-21	1.079	No	No	Mann-W
Chromium (mg/L)	GWC-22	2.549	No	No	Mann-W
Chromium (mg/L)	GWC-23	1.26	No	No	Mann-W
Chromium (mg/L)	GWC-24	2.448	No	No	Mann-W
Chromium (mg/L)	GWC-25	1.253	No	No	Mann-W
Chromium (mg/L)	GWC-26	1.12	No	No	Mann-W
Chromium (mg/L)	GWC-27	1.036	No	No	Mann-W
Chromium (mg/L)	GWC-30	-0.3021	No	No	Mann-W
Chromium (mg/L)	GWC-31	-0.2431	No	No	Mann-W
Chromium (mg/L)	GWC-32	1.012	No	No	Mann-W
Chromium (mg/L)	GWC-33	0.9014	No	No	Mann-W
Chromium (mg/L)	GWC-34	1.036	No	No	Mann-W
Chromium (mg/L)	GWC-35	1.036	No	No	Mann-W
Chromium (mg/L)	GWC-5	1.261	No	No	Mann-W
Chromium (mg/L)	GWC-6	1.162	No	No	Mann-W
Chromium (mg/L)	GWC-7	0.1883	No	No	Mann-W
Chromium (mg/L)	GWC-8	-0.04148	No	No	Mann-W
Chromium (mg/L)	GWC-9	0.8033	No	No	Mann-W
Cobalt (mg/L)	**GWA-1 (bg)**	**-3.704**	**Yes**	**Yes**	**Mann-W**
Cobalt (mg/L)	**GWA-2 (bg)**	**-4.485**	**Yes**	**Yes**	**Mann-W**
Cobalt (mg/L)	GWA-29 (bg)	-2.554	No	No	Mann-W
Cobalt (mg/L)	**GWA-3 (bg)**	**-2.826**	**Yes**	**Yes**	**Mann-W**

Mann-Whitney Summary Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 11:27 AM

Constituent	Well	Calc.	0.01	Sig.	Method
Cobalt (mg/L)	GWA-4 (bg)	0.4171	No	No	Mann-W
Cobalt (mg/L)	GWC-10	-0.8878	No	No	Mann-W
Cobalt (mg/L)	**GWC-11**	**-3.729**	**Yes**	**Yes**	**Mann-W**
Cobalt (mg/L)	**GWC-12**	**-3.836**	**Yes**	**Yes**	**Mann-W**
Cobalt (mg/L)	GWC-15	-1.078	No	No	Mann-W
Cobalt (mg/L)	GWC-16	-1.853	No	No	Mann-W
Cobalt (mg/L)	**GWC-19**	**-3.519**	**Yes**	**Yes**	**Mann-W**
Cobalt (mg/L)	GWC-20	0.2105	No	No	Mann-W
Cobalt (mg/L)	GWC-21	0.1974	No	No	Mann-W
Cobalt (mg/L)	**GWC-22**	**-2.664**	**Yes**	**Yes**	**Mann-W**
Cobalt (mg/L)	**GWC-23**	**-2.823**	**Yes**	**Yes**	**Mann-W**
Cobalt (mg/L)	GWC-24	1.047	No	No	Mann-W
Cobalt (mg/L)	GWC-25	-2.014	No	No	Mann-W
Cobalt (mg/L)	**GWC-26**	**-2.778**	**Yes**	**Yes**	**Mann-W**
Cobalt (mg/L)	GWC-27	-2.412	No	No	Mann-W
Cobalt (mg/L)	GWC-31	-2.417	No	No	Mann-W
Cobalt (mg/L)	GWC-32	-2.381	No	No	Mann-W
Cobalt (mg/L)	GWC-33	-2.224	No	No	Mann-W
Cobalt (mg/L)	GWC-34	-0.9858	No	No	Mann-W
Cobalt (mg/L)	**GWC-35**	**-4.19**	**Yes**	**Yes**	**Mann-W**
Cobalt (mg/L)	**GWC-5**	**-3.507**	**Yes**	**Yes**	**Mann-W**
Cobalt (mg/L)	GWC-6	1.947	No	No	Mann-W
Cobalt (mg/L)	GWC-7	-2.529	No	No	Mann-W
Cobalt (mg/L)	GWC-8	-1.991	No	No	Mann-W
Cobalt (mg/L)	GWC-9	-2.167	No	No	Mann-W
Copper (mg/L)	**GWA-2 (bg)**	**-2.915**	**Yes**	**Yes**	**Mann-W**
Copper (mg/L)	GWA-28 (bg)	0.5669	No	No	Mann-W
Copper (mg/L)	GWA-29 (bg)	-2.31	No	No	Mann-W
Copper (mg/L)	GWC-11	1.669	No	No	Mann-W
Copper (mg/L)	GWC-12	-1.606	No	No	Mann-W
Copper (mg/L)	GWC-13	-1.571	No	No	Mann-W
Copper (mg/L)	GWC-14	-1.417	No	No	Mann-W
Copper (mg/L)	GWC-15	1.417	No	No	Mann-W
Copper (mg/L)	GWC-16	-1.606	No	No	Mann-W
Copper (mg/L)	GWC-17	-0.7515	No	No	Mann-W
Copper (mg/L)	GWC-19	-1.606	No	No	Mann-W
Copper (mg/L)	GWC-20	-1.554	No	No	Mann-W
Copper (mg/L)	GWC-21	-1.606	No	No	Mann-W
Copper (mg/L)	GWC-22	-1.606	No	No	Mann-W
Copper (mg/L)	GWC-23	-1.897	No	No	Mann-W
Copper (mg/L)	GWC-25	0.2261	No	No	Mann-W
Copper (mg/L)	**GWC-26**	**-3.485**	**Yes**	**Yes**	**Mann-W**
Copper (mg/L)	GWC-27	-1.535	No	No	Mann-W
Copper (mg/L)	GWC-31	-1.065	No	No	Mann-W
Copper (mg/L)	GWC-33	-0.7063	No	No	Mann-W
Copper (mg/L)	GWC-34	-1.606	No	No	Mann-W
Copper (mg/L)	GWC-35	0.3239	No	No	Mann-W
Copper (mg/L)	GWC-5	1.141	No	No	Mann-W
Copper (mg/L)	GWC-6	-0.06832	No	No	Mann-W
Copper (mg/L)	**GWC-8**	**-2.598**	**Yes**	**Yes**	**Mann-W**
Copper (mg/L)	GWC-9	-1.769	No	No	Mann-W
Lead (mg/L)	GWA-2 (bg)	-1.891	No	No	Mann-W
Lead (mg/L)	GWA-28 (bg)	-1.891	No	No	Mann-W
Lead (mg/L)	**GWA-29 (bg)**	**-4.211**	**Yes**	**Yes**	**Mann-W**
Lead (mg/L)	GWA-3 (bg)	-1.321	No	No	Mann-W

Mann-Whitney Summary Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 11:27 AM

Constituent	Well	Calc.	0.01	Sig.	Method
Lead (mg/L)	GWA-4 (bg)	-1.891	No	No	Mann-W
Lead (mg/L)	GWC-10	-1.903	No	No	Mann-W
Lead (mg/L)	**GWC-11**	**-2.664**	**Yes**	**Yes**	**Mann-W**
Lead (mg/L)	GWC-12	-1.891	No	No	Mann-W
Lead (mg/L)	GWC-15	-1.891	No	No	Mann-W
Lead (mg/L)	GWC-17	0.4729	No	No	Mann-W
Lead (mg/L)	GWC-18	-1.853	No	No	Mann-W
Lead (mg/L)	**GWC-19**	**-3.07**	**Yes**	**Yes**	**Mann-W**
Lead (mg/L)	**GWC-20**	**-2.611**	**Yes**	**Yes**	**Mann-W**
Lead (mg/L)	**GWC-21**	**-3.296**	**Yes**	**Yes**	**Mann-W**
Lead (mg/L)	**GWC-22**	**-2.664**	**Yes**	**Yes**	**Mann-W**
Lead (mg/L)	**GWC-23**	**-3.296**	**Yes**	**Yes**	**Mann-W**
Lead (mg/L)	**GWC-24**	**-2.667**	**Yes**	**Yes**	**Mann-W**
Lead (mg/L)	**GWC-25**	**-4.21**	**Yes**	**Yes**	**Mann-W**
Lead (mg/L)	GWC-26	-1.13	No	No	Mann-W
Lead (mg/L)	**GWC-27**	**-3.858**	**Yes**	**Yes**	**Mann-W**
Lead (mg/L)	GWC-30	-1.891	No	No	Mann-W
Lead (mg/L)	**GWC-31**	**-3.273**	**Yes**	**Yes**	**Mann-W**
Lead (mg/L)	**GWC-33**	**-3.229**	**Yes**	**Yes**	**Mann-W**
Lead (mg/L)	GWC-34	-1.891	No	No	Mann-W
Lead (mg/L)	GWC-5	-1.891	No	No	Mann-W
Lead (mg/L)	GWC-8	-1.977	No	No	Mann-W
Lead (mg/L)	GWC-9	-1.891	No	No	Mann-W
Mercury (mg/L)	GWA-1 (bg)	0.7368	No	No	Mann-W
Mercury (mg/L)	GWA-2 (bg)	0.7368	No	No	Mann-W
Mercury (mg/L)	GWA-28 (bg)	0.7368	No	No	Mann-W
Mercury (mg/L)	GWA-29 (bg)	1.65	No	No	Mann-W
Mercury (mg/L)	GWA-3 (bg)	0.7559	No	No	Mann-W
Mercury (mg/L)	GWA-4 (bg)	0.7368	No	No	Mann-W
Mercury (mg/L)	GWC-10	1.03	No	No	Mann-W
Mercury (mg/L)	GWC-11	0.7368	No	No	Mann-W
Mercury (mg/L)	GWC-12	0.4729	No	No	Mann-W
Mercury (mg/L)	GWC-13	0.7368	No	No	Mann-W
Mercury (mg/L)	GWC-14	1.284	No	No	Mann-W
Mercury (mg/L)	GWC-15	0.7368	No	No	Mann-W
Mercury (mg/L)	GWC-16	0.7368	No	No	Mann-W
Mercury (mg/L)	GWC-17	-0.05668	No	No	Mann-W
Mercury (mg/L)	GWC-18	0.7368	No	No	Mann-W
Mercury (mg/L)	GWC-19	0.7368	No	No	Mann-W
Mercury (mg/L)	GWC-20	0.7368	No	No	Mann-W
Mercury (mg/L)	GWC-21	1.12	No	No	Mann-W
Mercury (mg/L)	GWC-22	0.7368	No	No	Mann-W
Mercury (mg/L)	GWC-23	0.4729	No	No	Mann-W
Mercury (mg/L)	GWC-24	0.6061	No	No	Mann-W
Mercury (mg/L)	GWC-25	0.4835	No	No	Mann-W
Mercury (mg/L)	GWC-26	0.7368	No	No	Mann-W
Mercury (mg/L)	GWC-27	0.7368	No	No	Mann-W
Mercury (mg/L)	GWC-30	-0.4708	No	No	Mann-W
Mercury (mg/L)	GWC-31	-0.7072	No	No	Mann-W
Mercury (mg/L)	GWC-32	0.4729	No	No	Mann-W
Mercury (mg/L)	GWC-33	0.4835	No	No	Mann-W
Mercury (mg/L)	GWC-34	0.9416	No	No	Mann-W
Mercury (mg/L)	GWC-35	0.4729	No	No	Mann-W
Mercury (mg/L)	GWC-5	0.4729	No	No	Mann-W
Mercury (mg/L)	GWC-6	0.7368	No	No	Mann-W

Mann-Whitney Summary Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 11:27 AM

Constituent	Well	Calc.	0.01	Sig.	Method
Mercury (mg/L)	GWC-7	0.4729	No	No	Mann-W
Mercury (mg/L)	GWC-8	1.666	No	No	Mann-W
Mercury (mg/L)	GWC-9	-0.3766	No	No	Mann-W
Nickel (mg/L)	**GWA-1 (bg)**	**-4.633**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWA-2 (bg)**	**-3.757**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWA-28 (bg)**	**-3.418**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWA-29 (bg)**	**-2.745**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	GWA-4 (bg)	-1.655	No	No	Mann-W
Nickel (mg/L)	GWC-11	-0.9699	No	No	Mann-W
Nickel (mg/L)	GWC-12	-2.254	No	No	Mann-W
Nickel (mg/L)	**GWC-13**	**-3.748**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	GWC-15	-2.254	No	No	Mann-W
Nickel (mg/L)	GWC-16	-2.254	No	No	Mann-W
Nickel (mg/L)	**GWC-17**	**-2.798**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	GWC-18	-0.06832	No	No	Mann-W
Nickel (mg/L)	**GWC-19**	**-4.634**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	GWC-20	-2.254	No	No	Mann-W
Nickel (mg/L)	**GWC-21**	**-4.633**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	GWC-22	-2.254	No	No	Mann-W
Nickel (mg/L)	**GWC-23**	**-4.196**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	GWC-25	0.1419	No	No	Mann-W
Nickel (mg/L)	**GWC-26**	**-3.321**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-27**	**-2.796**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	GWC-31	-1.993	No	No	Mann-W
Nickel (mg/L)	GWC-32	-1.375	No	No	Mann-W
Nickel (mg/L)	GWC-33	-0.5843	No	No	Mann-W
Nickel (mg/L)	**GWC-34**	**-4.254**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-35**	**-3.786**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	GWC-5	-0.9717	No	No	Mann-W
Nickel (mg/L)	GWC-6	2.572	No	No	Mann-W
Nickel (mg/L)	GWC-7	-1.509	No	No	Mann-W
Nickel (mg/L)	GWC-8	1.676	No	No	Mann-W
Nickel (mg/L)	GWC-9	-0.4114	No	No	Mann-W
Selenium (mg/L)	GWA-1 (bg)	0.4729	No	No	Mann-W
Selenium (mg/L)	GWA-28 (bg)	0.7368	No	No	Mann-W
Selenium (mg/L)	GWA-29 (bg)	0.9879	No	No	Mann-W
Selenium (mg/L)	GWA-4 (bg)	0.4729	No	No	Mann-W
Selenium (mg/L)	GWC-11	1.12	No	No	Mann-W
Selenium (mg/L)	GWC-12	0.4729	No	No	Mann-W
Selenium (mg/L)	GWC-13	0.4729	No	No	Mann-W
Selenium (mg/L)	GWC-14	-1.451	No	No	Mann-W
Selenium (mg/L)	GWC-15	0.4729	No	No	Mann-W
Selenium (mg/L)	GWC-16	0.4729	No	No	Mann-W
Selenium (mg/L)	GWC-18	0.4729	No	No	Mann-W
Selenium (mg/L)	GWC-21	0.4729	No	No	Mann-W
Selenium (mg/L)	GWC-22	0.4729	No	No	Mann-W
Selenium (mg/L)	GWC-25	0.4835	No	No	Mann-W
Selenium (mg/L)	GWC-26	0.7368	No	No	Mann-W
Selenium (mg/L)	GWC-27	0.4729	No	No	Mann-W
Selenium (mg/L)	GWC-30	0.7368	No	No	Mann-W
Selenium (mg/L)	GWC-31	1.472	No	No	Mann-W
Selenium (mg/L)	GWC-32	0.4729	No	No	Mann-W
Selenium (mg/L)	GWC-33	1.147	No	No	Mann-W
Selenium (mg/L)	GWC-35	0.4729	No	No	Mann-W
Selenium (mg/L)	GWC-5	0.7368	No	No	Mann-W

Mann-Whitney Summary Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 11:27 AM

Constituent	Well	Calc.	0.01	Sig.	Method
Selenium (mg/L)	GWC-6	0.7368	No	No	Mann-W
Selenium (mg/L)	GWC-8	1.12	No	No	Mann-W
Selenium (mg/L)	GWC-9	1.147	No	No	Mann-W
Silver (mg/L)	GWA-29 (bg)	-1.248	No	No	Mann-W
Silver (mg/L)	GWC-11	-1.606	No	No	Mann-W
Silver (mg/L)	GWC-12	-1.606	No	No	Mann-W
Silver (mg/L)	GWC-14	0.5669	No	No	Mann-W
Silver (mg/L)	GWC-16	-1.606	No	No	Mann-W
Silver (mg/L)	GWC-17	-1.606	No	No	Mann-W
Silver (mg/L)	GWC-21	-1.606	No	No	Mann-W
Silver (mg/L)	GWC-22	-1.606	No	No	Mann-W
Silver (mg/L)	GWC-23	-1.606	No	No	Mann-W
Silver (mg/L)	GWC-25	-1.561	No	No	Mann-W
Silver (mg/L)	GWC-26	-1.606	No	No	Mann-W
Silver (mg/L)	GWC-27	-1.561	No	No	Mann-W
Silver (mg/L)	GWC-31	-0.4838	No	No	Mann-W
Silver (mg/L)	GWC-32	-1.606	No	No	Mann-W
Silver (mg/L)	GWC-33	-1.561	No	No	Mann-W
Silver (mg/L)	GWC-5	-1.606	No	No	Mann-W
Silver (mg/L)	GWC-6	1.435	No	No	Mann-W
Thallium (mg/L)	**GWA-1 (bg)**	**-3.858**	**Yes**	**Yes**	**Mann-W**
Thallium (mg/L)	GWA-2 (bg)	-1.853	No	No	Mann-W
Thallium (mg/L)	GWA-4 (bg)	0.7373	No	No	Mann-W
Thallium (mg/L)	GWC-11	-1.815	No	No	Mann-W
Thallium (mg/L)	GWC-12	-2.554	No	No	Mann-W
Thallium (mg/L)	GWC-13	-1.815	No	No	Mann-W
Thallium (mg/L)	GWC-14	0	No	No	Mann-W
Thallium (mg/L)	**GWC-15**	**-2.664**	**Yes**	**Yes**	**Mann-W**
Thallium (mg/L)	GWC-19	-0.9069	No	No	Mann-W
Thallium (mg/L)	GWC-20	-1.891	No	No	Mann-W
Thallium (mg/L)	**GWC-21**	**-3.296**	**Yes**	**Yes**	**Mann-W**
Thallium (mg/L)	**GWC-22**	**-3.296**	**Yes**	**Yes**	**Mann-W**
Thallium (mg/L)	GWC-23	-2.554	No	No	Mann-W
Thallium (mg/L)	GWC-24	-2.053	No	No	Mann-W
Thallium (mg/L)	GWC-25	-2.497	No	No	Mann-W
Thallium (mg/L)	GWC-27	-0.1361	No	No	Mann-W
Thallium (mg/L)	GWC-30	-1.815	No	No	Mann-W
Thallium (mg/L)	GWC-31	-1.65	No	No	Mann-W
Thallium (mg/L)	GWC-33	1.174	No	No	Mann-W
Thallium (mg/L)	GWC-34	-1.853	No	No	Mann-W
Thallium (mg/L)	GWC-35	-1.735	No	No	Mann-W
Thallium (mg/L)	GWC-6	-0.992	No	No	Mann-W
Thallium (mg/L)	GWC-7	0.4949	No	No	Mann-W
Thallium (mg/L)	GWC-8	-0.2587	No	No	Mann-W
Thallium (mg/L)	GWC-9	-1.405	No	No	Mann-W
Vanadium (mg/L)	GWA-1 (bg)	2.118	No	No	Mann-W
Vanadium (mg/L)	GWA-2 (bg)	1.558	No	No	Mann-W
Vanadium (mg/L)	**GWA-28 (bg)**	**3.055**	**Yes**	**Yes**	**Mann-W**
Vanadium (mg/L)	**GWA-29 (bg)**	**2.684**	**Yes**	**Yes**	**Mann-W**
Vanadium (mg/L)	GWA-4 (bg)	0.8255	No	No	Mann-W
Vanadium (mg/L)	GWC-11	-0.06725	No	No	Mann-W
Vanadium (mg/L)	GWC-12	2.118	No	No	Mann-W
Vanadium (mg/L)	GWC-13	2.077	No	No	Mann-W
Vanadium (mg/L)	GWC-14	0.6572	No	No	Mann-W
Vanadium (mg/L)	GWC-15	1.86	No	No	Mann-W

Mann-Whitney Summary Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 11:27 AM

Constituent	Well	Calc.	0.01	Sig.	Method
Vanadium (mg/L)	GWC-16	0.4045	No	No	Mann-W
Vanadium (mg/L)	GWC-17	0.205	No	No	Mann-W
Vanadium (mg/L)	GWC-18	-2.128	No	No	Mann-W
Vanadium (mg/L)	GWC-19	1.182	No	No	Mann-W
Vanadium (mg/L)	GWC-20	-1.763	No	No	Mann-W
Vanadium (mg/L)	GWC-21	0.05705	No	No	Mann-W
Vanadium (mg/L)	GWC-22	0.1675	No	No	Mann-W
Vanadium (mg/L)	GWC-23	-0.5742	No	No	Mann-W
Vanadium (mg/L)	GWC-25	0.7318	No	No	Mann-W
Vanadium (mg/L)	**GWC-26**	**2.681**	**Yes**	**Yes**	**Mann-W**
Vanadium (mg/L)	GWC-27	1.417	No	No	Mann-W
Vanadium (mg/L)	**GWC-30**	**-2.596**	**Yes**	**Yes**	**Mann-W**
Vanadium (mg/L)	GWC-31	0.5859	No	No	Mann-W
Vanadium (mg/L)	GWC-32	2.339	No	No	Mann-W
Vanadium (mg/L)	GWC-33	1.153	No	No	Mann-W
Vanadium (mg/L)	GWC-34	0.4782	No	No	Mann-W
Vanadium (mg/L)	GWC-35	0.1851	No	No	Mann-W
Vanadium (mg/L)	GWC-5	-2.273	No	No	Mann-W
Vanadium (mg/L)	GWC-6	0.1851	No	No	Mann-W
Vanadium (mg/L)	GWC-7	-0.3487	No	No	Mann-W
Vanadium (mg/L)	GWC-8	1.824	No	No	Mann-W
Vanadium (mg/L)	GWC-9	0.7468	No	No	Mann-W
Zinc (mg/L)	GWA-1 (bg)	-0.1479	No	No	Mann-W
Zinc (mg/L)	GWA-2 (bg)	-0.7118	No	No	Mann-W
Zinc (mg/L)	GWA-28 (bg)	1.909	No	No	Mann-W
Zinc (mg/L)	GWA-29 (bg)	-0.6703	No	No	Mann-W
Zinc (mg/L)	GWA-4 (bg)	-0.4013	No	No	Mann-W
Zinc (mg/L)	GWC-11	1.804	No	No	Mann-W
Zinc (mg/L)	GWC-12	0.9605	No	No	Mann-W
Zinc (mg/L)	GWC-13	0.615	No	No	Mann-W
Zinc (mg/L)	**GWC-14**	**3.488**	**Yes**	**Yes**	**Mann-W**
Zinc (mg/L)	GWC-15	-0.05705	No	No	Mann-W
Zinc (mg/L)	GWC-16	0.9431	No	No	Mann-W
Zinc (mg/L)	GWC-17	1.611	No	No	Mann-W
Zinc (mg/L)	GWC-18	0.9035	No	No	Mann-W
Zinc (mg/L)	GWC-19	-1.068	No	No	Mann-W
Zinc (mg/L)	GWC-20	1.925	No	No	Mann-W
Zinc (mg/L)	GWC-21	-1.781	No	No	Mann-W
Zinc (mg/L)	GWC-22	0.533	No	No	Mann-W
Zinc (mg/L)	GWC-23	0.1146	No	No	Mann-W
Zinc (mg/L)	GWC-25	1.093	No	No	Mann-W
Zinc (mg/L)	GWC-26	0.6483	No	No	Mann-W
Zinc (mg/L)	GWC-27	0.8476	No	No	Mann-W
Zinc (mg/L)	GWC-30	1.326	No	No	Mann-W
Zinc (mg/L)	GWC-31	-0.4229	No	No	Mann-W
Zinc (mg/L)	GWC-32	0.5348	No	No	Mann-W
Zinc (mg/L)	GWC-33	1.852	No	No	Mann-W
Zinc (mg/L)	GWC-34	0.7463	No	No	Mann-W
Zinc (mg/L)	GWC-35	0.8616	No	No	Mann-W
Zinc (mg/L)	GWC-5	1.746	No	No	Mann-W
Zinc (mg/L)	GWC-6	0	No	No	Mann-W
Zinc (mg/L)	GWC-7	1.2	No	No	Mann-W
Zinc (mg/L)	GWC-8	0.9067	No	No	Mann-W
Zinc (mg/L)	GWC-9	0.9491	No	No	Mann-W

Mann-Whitney Summary Appendix III - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 12:02 PM

Constituent	Well	Calc.	0.01	Sig.	Method
pH, Field (S.U.)	**GWA-29 (bg)**	**-2.933**	**Yes**	**Yes**	**Mann-W**
pH, Field (S.U.)	**GWA-3 (bg)**	**-2.633**	**Yes**	**Yes**	**Mann-W**
pH, Field (S.U.)	**GWC-24**	**-2.709**	**Yes**	**Yes**	**Mann-W**
Sulfate as SO4 (mg/L)	**GWC-10**	**-2.656**	**Yes**	**Yes**	**Mann-W**
Sulfate as SO4 (mg/L)	**GWC-12**	**2.717**	**Yes**	**Yes**	**Mann-W**
Sulfate as SO4 (mg/L)	**GWC-33**	**-2.767**	**Yes**	**Yes**	**Mann-W**
Sulfate as SO4 (mg/L)	**GWC-7**	**-2.981**	**Yes**	**Yes**	**Mann-W**
Total Dissolved Solids [TDS] (mg/L)	**GWC-18**	**2.705**	**Yes**	**Yes**	**Mann-W**

Mann-Whitney Summary Appendix III - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 12:02 PM

Constituent	Well	Calc.	0.01	Sig.	Method
pH, Field (S.U.)	GWA-1 (bg)	1.702	No	No	Mann-W
pH, Field (S.U.)	GWA-2 (bg)	-2.055	No	No	Mann-W
pH, Field (S.U.)	GWA-28 (bg)	-0.09456	No	No	Mann-W
pH, Field (S.U.)	**GWA-29 (bg)**	**-2.933**	**Yes**	**Yes**	**Mann-W**
pH, Field (S.U.)	**GWA-3 (bg)**	**-2.633**	**Yes**	**Yes**	**Mann-W**
pH, Field (S.U.)	GWA-4 (bg)	-0.9568	No	No	Mann-W
pH, Field (S.U.)	GWC-10	-1.806	No	No	Mann-W
pH, Field (S.U.)	GWC-11	-1.419	No	No	Mann-W
pH, Field (S.U.)	GWC-12	0.85	No	No	Mann-W
pH, Field (S.U.)	GWC-13	-0.3003	No	No	Mann-W
pH, Field (S.U.)	GWC-14	-0.9925	No	No	Mann-W
pH, Field (S.U.)	GWC-15	-0.5007	No	No	Mann-W
pH, Field (S.U.)	GWC-16	-0.2659	No	No	Mann-W
pH, Field (S.U.)	GWC-17	-0.751	No	No	Mann-W
pH, Field (S.U.)	GWC-18	-1.074	No	No	Mann-W
pH, Field (S.U.)	GWC-19	-2.156	No	No	Mann-W
pH, Field (S.U.)	GWC-20	-0.3723	No	No	Mann-W
pH, Field (S.U.)	GWC-21	-1.751	No	No	Mann-W
pH, Field (S.U.)	GWC-22	1.754	No	No	Mann-W
pH, Field (S.U.)	GWC-23	-0.9008	No	No	Mann-W
pH, Field (S.U.)	**GWC-24**	**-2.709**	**Yes**	**Yes**	**Mann-W**
pH, Field (S.U.)	GWC-25	-0.9799	No	No	Mann-W
pH, Field (S.U.)	GWC-26	-1.607	No	No	Mann-W
pH, Field (S.U.)	GWC-27	-1.609	No	No	Mann-W
pH, Field (S.U.)	GWC-30	-0.7089	No	No	Mann-W
pH, Field (S.U.)	GWC-31	-1.02	No	No	Mann-W
pH, Field (S.U.)	GWC-32	-1.113	No	No	Mann-W
pH, Field (S.U.)	GWC-33	-0.7565	No	No	Mann-W
pH, Field (S.U.)	GWC-34	-1.183	No	No	Mann-W
pH, Field (S.U.)	GWC-35	-1.797	No	No	Mann-W
pH, Field (S.U.)	GWC-5	-0.9521	No	No	Mann-W
pH, Field (S.U.)	GWC-6	-1.253	No	No	Mann-W
pH, Field (S.U.)	GWC-7	0.7513	No	No	Mann-W
pH, Field (S.U.)	GWC-8	-2.11	No	No	Mann-W
pH, Field (S.U.)	GWC-9	-1.755	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWA-1 (bg)	1.594	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWA-2 (bg)	0.8021	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWA-28 (bg)	0.3519	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWA-29 (bg)	-1.914	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWA-3 (bg)	-1.613	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWA-4 (bg)	-0.7078	No	No	Mann-W
Sulfate as SO4 (mg/L)	**GWC-10**	**-2.656**	**Yes**	**Yes**	**Mann-W**
Sulfate as SO4 (mg/L)	GWC-11	-0.8749	No	No	Mann-W
Sulfate as SO4 (mg/L)	**GWC-12**	**2.717**	**Yes**	**Yes**	**Mann-W**
Sulfate as SO4 (mg/L)	GWC-13	-1.01	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-14	-0.1505	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-15	1.007	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-16	-0.6936	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-17	1.481	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-18	-0.2312	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-19	0.5956	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-20	-1.051	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-21	0.6565	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-22	-0.3466	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-23	1.226	No	No	Mann-W

Mann-Whitney Summary Appendix III - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 12:02 PM

Constituent	Well	Calc.	0.01	Sig.	Method
Sulfate as SO4 (mg/L)	GWC-24	-0.4622	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-25	-1.251	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-26	0	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-27	0.2501	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-30	-0.7142	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-31	-1.634	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-32	-1.254	No	No	Mann-W
Sulfate as SO4 (mg/L)	**GWC-33**	**-2.767**	**Yes**	**Yes**	**Mann-W**
Sulfate as SO4 (mg/L)	GWC-34	-1.01	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-35	-0.7062	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-5	-0.6866	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-6	0.7022	No	No	Mann-W
Sulfate as SO4 (mg/L)	**GWC-7**	**-2.981**	**Yes**	**Yes**	**Mann-W**
Sulfate as SO4 (mg/L)	GWC-8	-0.05324	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-9	-2.004	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-1 (bg)	-0.5092	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-2 (bg)	0.7015	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-28 (bg)	-1.453	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-29 (bg)	-1.541	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-3 (bg)	-0.1717	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-4 (bg)	-0.05029	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-10	-1.302	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-11	-0.5007	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-12	2.306	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-13	-0.0502	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-14	1.451	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-15	0.902	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-16	1.052	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-17	-0.1006	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	**GWC-18**	**2.705**	**Yes**	**Yes**	**Mann-W**
Total Dissolved Solids [TDS] (mg/L)	GWC-19	0.1501	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-20	-0.1004	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-21	1.956	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-22	-0.4538	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-23	-0.4504	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-24	-0.2518	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-25	-1.554	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-26	0.1502	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-27	-0.2508	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-30	0.6506	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-31	-0.9965	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-32	0.8014	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-33	-0.2027	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-34	-0.2503	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-35	0.7503	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-5	1.307	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-6	0.758	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-7	-2.411	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-8	-1.002	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-9	-1.761	No	No	Mann-W

Trend Test Summary Upgradient Wells - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 12:12 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Fluoride, total (mg/L)	**GWA-29 (bg)**	**-0.1366**	**-84**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Trend Test Summary Upgradient Wells - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 12:12 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	GWA-2 (bg)	0	0	81	No	20	100	n/a	n/a	0.01	NP
Boron, total (mg/L)	GWA-28 (bg)	0	0	81	No	20	100	n/a	n/a	0.01	NP
Boron, total (mg/L)	GWA-29 (bg)	0	8	74	No	19	94.74	n/a	n/a	0.01	NP
Boron, total (mg/L)	GWA-3 (bg)	0	0	48	No	14	100	n/a	n/a	0.01	NP
Boron, total (mg/L)	GWA-4 (bg)	0	0	81	No	20	100	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-2 (bg)	-0.02409	-15	-81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-28 (bg)	0.06237	59	81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-29 (bg)	0.03216	17	74	No	19	5.263	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-3 (bg)	-2.387	-17	-43	No	13	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-4 (bg)	-0.8486	-69	-81	No	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-2 (bg)	0.1375	37	81	No	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-28 (bg)	0	-25	-81	No	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-29 (bg)	-0.03778	-47	-74	No	19	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-3 (bg)	5.8	42	43	No	13	7.692	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-4 (bg)	-1.144	-68	-81	No	20	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	GWA-2 (bg)	0	30	81	No	20	85	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	GWA-28 (bg)	0	9	81	No	20	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	**GWA-29 (bg)**	**-0.1366**	**-84**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride, total (mg/L)	GWA-3 (bg)	-0.003068	-15	-43	No	13	30.77	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	GWA-4 (bg)	-0.01234	-79	-81	No	20	45	n/a	n/a	0.01	NP

Intrawell Prediction Limits Appendix I - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 1:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Copper (mg/L)	**GWC-22**	**0.002**	**n/a**	**3/8/2022**	**0.0024**	**Yes**	**23**	**n/a**	**n/a**	**95.65**	**n/a**	**n/a**	**0.003415**	**NP Intra (NDs) 1 of 2**
Mercury (mg/L)	**GWC-14**	**0.0002**	**n/a**	**3/7/2022**	**0.00023**	**Yes**	**30**	**n/a**	**n/a**	**83.33**	**n/a**	**n/a**	**0.002008**	**NP Intra (NDs) 1 of 2**
Zinc (mg/L)	**GWC-33**	**0.01254**	**n/a**	**3/9/2022**	**0.12**	**Yes**	**22**	**0.005835**	**0.002382**	**27.27**	**Kaplan-Meier**	**No**	**0.0001135**	**Param Intra 1 of 2**

Intrawell Prediction Limits Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 1:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-2	0.0021	n/a	3/1/2022	0.002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-28	0.0021	n/a	3/1/2022	0.002ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-29	0.002	n/a	3/2/2022	0.002ND	No	28	n/a	n/a	85.71	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-3	0.002	n/a	3/1/2022	0.002ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-10	0.002	n/a	3/8/2022	0.002ND	No	19	n/a	n/a	89.47	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-11	0.0023	n/a	3/7/2022	0.002ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-13	0.002	n/a	3/8/2022	0.0011J	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-18	0.0022	n/a	3/8/2022	0.002ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-22	0.002	n/a	3/8/2022	0.002ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-23	0.002	n/a	3/9/2022	0.002ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-24	0.002	n/a	3/10/2022	0.002ND	No	21	n/a	n/a	71.43	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-25	0.002	n/a	3/8/2022	0.002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-26	0.002	n/a	3/9/2022	0.002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-27	0.002	n/a	3/8/2022	0.00064J	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-30	0.002	n/a	3/2/2022	0.002ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-31	0.0027	n/a	3/10/2022	0.002ND	No	25	n/a	n/a	88	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-32	0.002	n/a	3/9/2022	0.002ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-33	0.002	n/a	3/9/2022	0.002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-5	0.0024	n/a	3/2/2022	0.002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-6	0.002	n/a	3/2/2022	0.002ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-1	0.001	n/a	2/28/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-2	0.001	n/a	3/1/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-28	0.001	n/a	3/1/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-29	0.001	n/a	3/2/2022	0.001ND	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-3	0.001	n/a	3/1/2022	0.001ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-4	0.0011	n/a	3/1/2022	0.001ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-11	0.005	n/a	3/7/2022	0.00088J	No	30	n/a	n/a	40	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Arsenic (mg/L)	GWC-12	0.001	n/a	3/7/2022	0.0005J	No	29	n/a	n/a	86.21	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-13	0.0012	n/a	3/8/2022	0.001ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-14	0.001	n/a	3/7/2022	0.001ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-16	0.001	n/a	3/8/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-17	0.001	n/a	3/8/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-18	0.001	n/a	3/8/2022	0.001ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-19	0.0013	n/a	3/8/2022	0.001ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-20	0.001	n/a	3/7/2022	0.001ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-21	0.001	n/a	3/7/2022	0.001ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-22	0.001	n/a	3/8/2022	0.001ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-23	0.001	n/a	3/9/2022	0.001ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-24	0.001	n/a	3/10/2022	0.001ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-25	0.001	n/a	3/8/2022	0.001ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-26	0.001	n/a	3/9/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-31	0.0012	n/a	3/10/2022	0.001ND	No	25	n/a	n/a	84	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-32	0.001	n/a	3/9/2022	0.001ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-33	0.0013	n/a	3/9/2022	0.001ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-34	0.0012	n/a	3/2/2022	0.001ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-35	0.001	n/a	3/2/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-5	0.0014	n/a	3/2/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-6	0.001	n/a	3/2/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-7	0.0012	n/a	3/2/2022	0.001ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-8	0.001	n/a	3/2/2022	0.001ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2

Intrawell Prediction Limits Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 1:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	GWC-9	0.0011	n/a	3/9/2022	0.001ND	No	30	n/a	n/a	63.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Barium (mg/L)	GWA-1	0.013	n/a	2/28/2022	0.01	No	30	n/a	n/a	0	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Barium (mg/L)	GWA-2	0.02277	n/a	3/1/2022	0.012	No	30	0.01377	0.003399	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWA-28	0.005	n/a	3/1/2022	0.005ND	No	30	n/a	n/a	43.33	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Barium (mg/L)	GWA-29	0.005	n/a	3/2/2022	0.005ND	No	28	n/a	n/a	25	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Barium (mg/L)	GWA-3	0.1	n/a	3/1/2022	0.078	No	16	n/a	n/a	0	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Barium (mg/L)	GWA-4	0.1973	n/a	3/1/2022	0.12	No	30	0.1212	0.02874	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-10	0.03847	n/a	3/8/2022	0.013	No	19	0.02062	0.006124	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-11	0.5065	n/a	3/7/2022	0.16	No	30	0.2701	0.08927	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-12	0.03056	n/a	3/7/2022	0.025	No	30	0.01744	0.004957	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-13	0.006068	n/a	3/8/2022	0.0034J	No	30	0.05896	0.007153	0	None	sqrt(x)	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-15	0.01474	n/a	3/7/2022	0.011	No	30	0.009139	0.002115	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-16	0.02	n/a	3/8/2022	0.018	No	30	n/a	n/a	0	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-17	0.02006	n/a	3/8/2022	0.016	No	30	0.01619	0.001462	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-18	0.04361	n/a	3/8/2022	0.04	No	30	0.03411	0.003588	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-19	0.1462	n/a	3/8/2022	0.12	No	30	0.06883	0.02923	3.333	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-20	0.03937	n/a	3/7/2022	0.032	No	30	0.03377	0.002115	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-21	0.07421	n/a	3/7/2022	0.063	No	30	0.1589	0.04287	0	None	sqrt(x)	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-22	0.02984	n/a	3/8/2022	0.026	No	30	0.02541	0.001673	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-23	0.01228	n/a	3/9/2022	0.0041J	No	30	0.07888	0.01206	0	None	sqrt(x)	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-24	0.03512	n/a	3/10/2022	0.0095J	No	21	0.01573	0.006823	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-25	0.0594	n/a	3/8/2022	0.023	No	29	0.03204	0.01027	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-26	0.04286	n/a	3/9/2022	0.037	No	30	0.001145	0.0002614	0	None	x^2	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-27	0.02218	n/a	3/8/2022	0.015	No	30	0.01199	0.003849	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-30	0.01208	n/a	3/2/2022	0.0072J	No	30	-4.911	0.1869	0	None	ln(x)	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-31	0.009994	n/a	3/10/2022	0.005ND	No	25	0.0587	0.0151	4	None	sqrt(x)	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-32	0.005	n/a	3/9/2022	0.005ND	No	30	n/a	n/a	23.33	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-33	0.01825	n/a	3/9/2022	0.006J	No	29	0.008559	0.003636	3.448	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-34	0.0143	n/a	3/2/2022	0.012	No	29	0.0114	0.001086	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-35	0.02298	n/a	3/2/2022	0.022	No	30	0.02009	0.001091	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-5	0.03486	n/a	3/2/2022	0.024	No	30	0.02349	0.004292	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-6	0.07527	n/a	3/2/2022	0.054	No	30	0.05515	0.007597	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-7	0.1554	n/a	3/2/2022	0.071	No	30	0.09252	0.02374	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-8	0.1262	n/a	3/2/2022	0.037	No	30	0.2426	0.04256	0	None	sqrt(x)	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-9	0.2374	n/a	3/9/2022	0.094	No	30	0.1338	0.0391	0	None	No	0.0001135	Param Intra 1 of 2
Beryllium (mg/L)	GWA-1	0.0025	n/a	2/28/2022	0.0025ND	No	30	n/a	n/a	83.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-2	0.0025	n/a	3/1/2022	0.0025ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-28	0.0025	n/a	3/1/2022	0.00042J	No	30	n/a	n/a	33.33	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Beryllium (mg/L)	GWA-29	0.003005	n/a	3/2/2022	0.002J	No	28	0.002036	0.0003611	7.143	None	No	0.0001135	Param Intra 1 of 2
Beryllium (mg/L)	GWA-3	0.0025	n/a	3/1/2022	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-11	0.0025	n/a	3/7/2022	0.0025ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-12	0.0025	n/a	3/7/2022	0.0025ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-14	0.0025	n/a	3/7/2022	0.00051J	No	30	n/a	n/a	50	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Beryllium (mg/L)	GWC-15	0.0025	n/a	3/7/2022	0.0025ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-16	0.0025	n/a	3/8/2022	0.0025ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-17	0.0025	n/a	3/8/2022	0.0025ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-18	0.0025	n/a	3/8/2022	0.0025ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-19	0.0025	n/a	3/8/2022	0.0025ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-20	0.0025	n/a	3/7/2022	0.0025ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-21	0.0025	n/a	3/7/2022	0.0025ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2

Intrawell Prediction Limits Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 1:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium (mg/L)	GWC-22	0.0025	n/a	3/8/2022	0.0025ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-23	0.0025	n/a	3/9/2022	0.0025ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-24	0.0025	n/a	3/10/2022	0.0025ND	No	21	n/a	n/a	71.43	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-25	0.0025	n/a	3/8/2022	0.0025ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-26	0.0025	n/a	3/9/2022	0.0025ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-27	0.008676	n/a	3/8/2022	0.0048	No	30	0.00337	0.002004	10	None	No	0.0001135	Param Intra 1 of 2
Beryllium (mg/L)	GWC-30	0.0025	n/a	3/2/2022	0.0025ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-31	0.003	n/a	3/10/2022	0.00074J	No	25	n/a	n/a	24	n/a	n/a	0.002832	NP Intra (normality) 1 of 2
Beryllium (mg/L)	GWC-32	0.002083	n/a	3/9/2022	0.001J	No	31	0.001036	0.0003974	22.58	Kaplan-Meier	No	0.0001135	Param Intra 1 of 2
Beryllium (mg/L)	GWC-33	0.0025	n/a	3/9/2022	0.0025ND	No	29	n/a	n/a	34.48	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Beryllium (mg/L)	GWC-34	0.0025	n/a	3/2/2022	0.0025ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-35	0.0025	n/a	3/2/2022	0.0025ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-6	0.0025	n/a	3/2/2022	0.0025ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-8	0.0025	n/a	3/2/2022	0.0025ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-9	0.0025	n/a	3/9/2022	0.0025ND	No	30	n/a	n/a	80	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-1	0.0025	n/a	2/28/2022	0.0025ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-29	0.0025	n/a	3/2/2022	0.0025ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-3	0.0025	n/a	3/1/2022	0.0025ND	No	16	n/a	n/a	75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-11	0.0025	n/a	3/7/2022	0.0025ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-14	0.0025	n/a	3/7/2022	0.0025ND	No	30	n/a	n/a	60	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-19	0.0025	n/a	3/8/2022	0.00097J	No	30	n/a	n/a	100	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-21	0.0025	n/a	3/7/2022	0.0025ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-22	0.0025	n/a	3/8/2022	0.0025ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-24	0.0025	n/a	3/10/2022	0.0025ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-25	0.0025	n/a	3/8/2022	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-8	0.0025	n/a	3/2/2022	0.0025ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-1	0.0042	n/a	2/28/2022	0.002ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-2	0.0022	n/a	3/1/2022	0.002ND	No	30	n/a	n/a	83.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-28	0.0044	n/a	3/1/2022	0.002ND	No	29	n/a	n/a	79.31	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-29	0.003	n/a	3/2/2022	0.002ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-3	0.0027	n/a	3/1/2022	0.002ND	No	16	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-4	0.0022	n/a	3/1/2022	0.002ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-10	0.0029	n/a	3/8/2022	0.002ND	No	19	n/a	n/a	84.21	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-11	0.01	n/a	3/7/2022	0.0016J	No	30	n/a	n/a	13.33	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-12	0.0023	n/a	3/7/2022	0.002ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-13	0.0027	n/a	3/8/2022	0.002ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-14	0.0023	n/a	3/7/2022	0.002ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-15	0.0022	n/a	3/7/2022	0.002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-16	0.005	n/a	3/8/2022	0.0022	No	27	n/a	n/a	7.407	n/a	n/a	0.002502	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-17	0.0042	n/a	3/8/2022	0.002ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-18	0.0022	n/a	3/8/2022	0.002ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-19	0.0024	n/a	3/8/2022	0.002ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-20	0.0027	n/a	3/7/2022	0.002ND	No	30	n/a	n/a	83.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-21	0.0022	n/a	3/7/2022	0.002ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-22	0.003	n/a	3/8/2022	0.002ND	No	30	n/a	n/a	60	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-23	0.0024	n/a	3/9/2022	0.002ND	No	30	n/a	n/a	73.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-24	0.0027	n/a	3/10/2022	0.002ND	No	21	n/a	n/a	80.95	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-25	0.0043	n/a	3/8/2022	0.002ND	No	27	n/a	n/a	66.67	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-26	0.0033	n/a	3/9/2022	0.002ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-27	0.0024	n/a	3/8/2022	0.002ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2

Intrawell Prediction Limits Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 1:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	GWC-30	0.0025	n/a	3/2/2022	0.002ND	No	30	n/a	n/a	83.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-31	0.012	n/a	3/10/2022	0.002ND	No	25	n/a	n/a	20	n/a	n/a	0.002832	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-32	0.0024	n/a	3/9/2022	0.002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-33	0.0034	n/a	3/9/2022	0.002ND	No	29	n/a	n/a	68.97	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-34	0.0034	n/a	3/2/2022	0.002ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-35	0.0026	n/a	3/2/2022	0.002ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-5	0.0033	n/a	3/2/2022	0.002ND	No	29	n/a	n/a	72.41	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-6	0.0049	n/a	3/2/2022	0.002ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-7	0.0021	n/a	3/2/2022	0.002ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-8	0.0027	n/a	3/2/2022	0.002ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-9	0.0048	n/a	3/9/2022	0.002ND	No	29	n/a	n/a	37.93	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWA-1	0.0025	n/a	2/28/2022	0.00087J	No	30	n/a	n/a	76.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-2	0.0025	n/a	3/1/2022	0.0025ND	No	30	n/a	n/a	60	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-29	0.0025	n/a	3/2/2022	0.0025ND	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-3	0.0028	n/a	3/1/2022	0.00052J	No	16	n/a	n/a	37.5	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWA-4	0.01416	n/a	3/1/2022	0.0067	No	30	0.0724	0.0176	6.667	None	sqrt(x)	0.0001135	Param Intra 1 of 2
Cobalt (mg/L)	GWC-10	0.01381	n/a	3/8/2022	0.0028	No	19	0.005569	0.002826	0	None	No	0.0001135	Param Intra 1 of 2
Cobalt (mg/L)	GWC-11	0.01718	n/a	3/7/2022	0.0016J	No	30	0.006808	0.003916	0	None	No	0.0001135	Param Intra 1 of 2
Cobalt (mg/L)	GWC-12	0.0043	n/a	3/7/2022	0.00071J	No	30	n/a	n/a	76.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-14	0.4341	n/a	3/7/2022	0.19	No	19	0.1446	0.09929	0	None	No	0.0001135	Param Intra 1 of 2
Cobalt (mg/L)	GWC-15	0.0025	n/a	3/7/2022	0.0025ND	No	30	n/a	n/a	63.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-16	0.0025	n/a	3/8/2022	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-19	0.003437	n/a	3/8/2022	0.00038J	No	29	0.02856	0.01128	31.03	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
Cobalt (mg/L)	GWC-20	0.0025	n/a	3/7/2022	0.0025ND	No	30	n/a	n/a	80	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-21	0.005773	n/a	3/7/2022	0.0026	No	30	0.002045	0.001408	23.33	Kaplan-Meier	No	0.0001135	Param Intra 1 of 2
Cobalt (mg/L)	GWC-22	0.0025	n/a	3/8/2022	0.0025ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-23	0.0027	n/a	3/9/2022	0.0025ND	No	28	n/a	n/a	57.14	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-24	0.01656	n/a	3/10/2022	0.0011J	No	21	-6.308	0.7767	9.524	None	ln(x)	0.0001135	Param Intra 1 of 2
Cobalt (mg/L)	GWC-25	0.05782	n/a	3/8/2022	0.0023J	No	29	0.1017	0.05208	6.897	None	sqrt(x)	0.0001135	Param Intra 1 of 2
Cobalt (mg/L)	GWC-26	0.0025	n/a	3/9/2022	0.0025ND	No	30	n/a	n/a	76.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-27	0.004438	n/a	3/8/2022	0.0013J	No	30	0.002468	0.000744	13.33	None	No	0.0001135	Param Intra 1 of 2
Cobalt (mg/L)	GWC-31	0.0025	n/a	3/10/2022	0.0025ND	No	25	n/a	n/a	84	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-32	0.0025	n/a	3/9/2022	0.0025ND	No	30	n/a	n/a	60	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-33	0.01434	n/a	3/9/2022	0.00031J	No	29	0.04625	0.02758	17.24	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
Cobalt (mg/L)	GWC-34	0.0025	n/a	3/2/2022	0.0025ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-35	0.0025	n/a	3/2/2022	0.0025ND	No	30	n/a	n/a	46.67	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-5	0.02383	n/a	3/2/2022	0.0048	No	24	0.009045	0.005357	0	None	No	0.0001135	Param Intra 1 of 2
Cobalt (mg/L)	GWC-6	0.02076	n/a	3/2/2022	0.011	No	28	0.0131	0.002856	0	None	No	0.0001135	Param Intra 1 of 2
Cobalt (mg/L)	GWC-7	0.01273	n/a	3/2/2022	0.00043J	No	22	0.004127	0.003055	0	None	No	0.0001135	Param Intra 1 of 2
Cobalt (mg/L)	GWC-8	0.07953	n/a	3/2/2022	0.005	No	28	0.0319	0.01776	0	None	No	0.0001135	Param Intra 1 of 2
Cobalt (mg/L)	GWC-9	0.15	n/a	3/9/2022	0.024	No	29	n/a	n/a	3.448	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Copper (mg/L)	GWA-2	0.002	n/a	3/1/2022	0.002ND	No	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-28	0.002	n/a	3/1/2022	0.002ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-29	0.02264	n/a	3/2/2022	0.0053	No	23	0.0925	0.0208	13.04	None	sqrt(x)	0.0001135	Param Intra 1 of 2
Copper (mg/L)	GWA-3	0.00559	n/a	3/1/2022	0.0025	No	10	0.04427	0.008099	50	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
Copper (mg/L)	GWC-10	0.002	n/a	3/8/2022	0.002ND	No	9	n/a	n/a	77.78	n/a	n/a	0.01809	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-11	0.0034	n/a	3/7/2022	0.002ND	No	23	n/a	n/a	82.61	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-12	0.002	n/a	3/7/2022	0.002ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-13	0.0021	n/a	3/8/2022	0.002ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-14	0.002	n/a	3/7/2022	0.002ND	No	22	n/a	n/a	86.36	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2

Intrawell Prediction Limits Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 1:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Copper (mg/L)	GWC-15	0.003	n/a	3/7/2022	0.002ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-16	0.002	n/a	3/8/2022	0.002ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-17	0.002	n/a	3/8/2022	0.002ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-19	0.002	n/a	3/8/2022	0.002ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-20	0.0025	n/a	3/7/2022	0.002ND	No	22	n/a	n/a	90.91	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-21	0.002	n/a	3/7/2022	0.002ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	**GWC-22**	**0.002**	**n/a**	**3/8/2022**	**0.0024**	**Yes**	**23**	**n/a**	**n/a**	**95.65**	**n/a**	**n/a**	**0.003415**	**NP Intra (NDs) 1 of 2**
Copper (mg/L)	GWC-23	0.002	n/a	3/9/2022	0.002ND	No	23	n/a	n/a	78.26	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-24	0.00343	n/a	3/10/2022	0.002ND	No	12	0.001234	0.0006425	41.67	Kaplan-Meier	No	0.0001135	Param Intra 1 of 2
Copper (mg/L)	GWC-25	0.0034	n/a	3/8/2022	0.002ND	No	22	n/a	n/a	50	n/a	n/a	0.003707	NP Intra (normality) 1 of 2
Copper (mg/L)	GWC-26	0.0027	n/a	3/9/2022	0.002ND	No	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-27	0.002	n/a	3/8/2022	0.002ND	No	22	n/a	n/a	86.36	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-31	0.007662	n/a	3/10/2022	0.002ND	No	20	0.04559	0.01462	35	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
Copper (mg/L)	GWC-33	0.002	n/a	3/9/2022	0.002ND	No	22	n/a	n/a	90.91	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-34	0.002	n/a	3/2/2022	0.002ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-35	0.002	n/a	3/2/2022	0.002ND	No	23	n/a	n/a	78.26	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-5	0.002	n/a	3/2/2022	0.002ND	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-6	0.0031	n/a	3/2/2022	0.002ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-8	0.0035	n/a	3/2/2022	0.0019J	No	23	n/a	n/a	52.17	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-9	0.0026	n/a	3/9/2022	0.002ND	No	23	n/a	n/a	82.61	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-2	0.001	n/a	3/1/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-28	0.001	n/a	3/1/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-29	0.001	n/a	3/2/2022	0.001ND	No	28	n/a	n/a	82.14	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-3	0.002	n/a	3/1/2022	0.001ND	No	16	n/a	n/a	75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-4	0.001	n/a	3/1/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-10	0.0022	n/a	3/8/2022	0.001ND	No	20	n/a	n/a	70	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-11	0.001	n/a	3/7/2022	0.001ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-12	0.001	n/a	3/7/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-15	0.001	n/a	3/7/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-17	0.001	n/a	3/8/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-18	0.001	n/a	3/8/2022	0.001ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-19	0.0013	n/a	3/8/2022	0.001ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-20	0.001	n/a	3/7/2022	0.001ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-21	0.001	n/a	3/7/2022	0.001ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-22	0.001	n/a	3/8/2022	0.001ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-23	0.001	n/a	3/9/2022	0.001ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-24	0.0015	n/a	3/10/2022	0.001ND	No	21	n/a	n/a	71.43	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-25	0.001	n/a	3/8/2022	0.001ND	No	28	n/a	n/a	82.14	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-26	0.0015	n/a	3/9/2022	0.001ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-27	0.001	n/a	3/8/2022	0.001ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-30	0.001	n/a	3/2/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-31	0.0013	n/a	3/10/2022	0.001ND	No	25	n/a	n/a	48	n/a	n/a	0.002832	NP Intra (normality) 1 of 2
Lead (mg/L)	GWC-33	0.001	n/a	3/9/2022	0.001ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-34	0.001	n/a	3/2/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-5	0.001	n/a	3/2/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-8	0.001	n/a	3/2/2022	0.001ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-9	0.001	n/a	3/9/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-1	0.0002	n/a	2/28/2022	0.0002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-2	0.0002	n/a	3/1/2022	0.0002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-28	0.0002	n/a	3/1/2022	0.0002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2

Intrawell Prediction Limits Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 1:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	GWA-29	0.00021	n/a	3/2/2022	0.0002ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-3	0.0002	n/a	3/1/2022	0.0002ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-4	0.0002	n/a	3/1/2022	0.0002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-10	0.0002	n/a	3/8/2022	0.0002ND	No	19	n/a	n/a	89.47	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-11	0.0002	n/a	3/7/2022	0.0002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-12	0.0002	n/a	3/7/2022	0.0002ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-13	0.0002	n/a	3/8/2022	0.0002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	**GWC-14**	**0.0002**	**n/a**	**3/7/2022**	**0.00023**	**Yes**	**30**	**n/a**	**n/a**	**83.33**	**n/a**	**n/a**	**0.002008**	**NP Intra (NDs) 1 of 2**
Mercury (mg/L)	GWC-15	0.0002	n/a	3/7/2022	0.0002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-16	0.0002	n/a	3/8/2022	0.0002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-17	0.0002	n/a	3/8/2022	0.0002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-18	0.0002	n/a	3/8/2022	0.0002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-19	0.0002	n/a	3/8/2022	0.0002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-20	0.0002	n/a	3/7/2022	0.0002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-21	0.0002	n/a	3/7/2022	0.0002ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-22	0.0002	n/a	3/8/2022	0.0002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-23	0.0002	n/a	3/9/2022	0.0002ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-24	0.0002	n/a	3/10/2022	0.0002ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-25	0.0002	n/a	3/8/2022	0.0002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-26	0.0002	n/a	3/9/2022	0.0002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-27	0.0002	n/a	3/8/2022	0.0002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-30	0.0002	n/a	3/2/2022	0.0002ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-31	0.0002	n/a	3/10/2022	0.0002ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-32	0.0002	n/a	3/9/2022	0.0002ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-33	0.0002	n/a	3/9/2022	0.0002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-34	0.0002	n/a	3/2/2022	0.0002ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-35	0.0002	n/a	3/2/2022	0.0002ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-5	0.0002	n/a	3/2/2022	0.0002ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-6	0.0002	n/a	3/2/2022	0.0002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-7	0.0002	n/a	3/2/2022	0.0002ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-8	0.0004	n/a	3/2/2022	0.0002ND	No	31	n/a	n/a	87.1	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-9	0.0002	n/a	3/9/2022	0.0002ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-1	0.0025	n/a	2/28/2022	0.00089J	No	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-2	0.0028	n/a	3/1/2022	0.00062J	No	23	n/a	n/a	47.83	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWA-28	0.001	n/a	3/1/2022	0.001ND	No	23	n/a	n/a	73.91	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-29	0.006235	n/a	3/2/2022	0.0012	No	23	0.002861	0.00121	13.04	None	No	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWA-3	0.007682	n/a	3/1/2022	0.0027	No	10	0.002371	0.00141	30	Kaplan-Meier	No	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWA-4	0.0032	n/a	3/1/2022	0.0021	No	21	n/a	n/a	57.14	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-10	0.0046	n/a	3/8/2022	0.0017	No	10	n/a	n/a	0	n/a	n/a	0.01476	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-11	0.0011	n/a	3/7/2022	0.001ND	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-12	0.001	n/a	3/7/2022	0.001ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-13	0.001	n/a	3/8/2022	0.001ND	No	23	n/a	n/a	78.26	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-14	0.0236	n/a	3/7/2022	0.02	No	13	0.01562	0.002399	0	None	No	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWC-15	0.001	n/a	3/7/2022	0.001ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-16	0.001	n/a	3/8/2022	0.001ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-17	0.001	n/a	3/8/2022	0.001ND	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-18	0.0015	n/a	3/8/2022	0.001ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-19	0.0025	n/a	3/8/2022	0.0012	No	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-20	0.001	n/a	3/7/2022	0.001ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-21	0.001	n/a	3/7/2022	0.001ND	No	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2

Intrawell Prediction Limits Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 1:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Nickel (mg/L)	GWC-22	0.001	n/a	3/8/2022	0.001ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-23	0.001	n/a	3/9/2022	0.001ND	No	23	n/a	n/a	73.91	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-24	0.004137	n/a	3/10/2022	0.0011	No	12	0.002283	0.0005424	8.333	None	No	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWC-25	0.03202	n/a	3/8/2022	0.0039	No	22	0.1759	0.05031	22.73	Kaplan-Meier	x^(1/3)	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWC-26	0.0031	n/a	3/9/2022	0.0011	No	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-27	0.001	n/a	3/8/2022	0.001ND	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-31	0.01617	n/a	3/10/2022	0.00055J	No	19	0.1311	0.04175	15.79	Kaplan-Meier	x^(1/3)	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWC-32	0.0018	n/a	3/9/2022	0.001ND	No	23	n/a	n/a	65.22	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-33	0.0012	n/a	3/9/2022	0.001ND	No	22	n/a	n/a	72.73	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-34	0.0025	n/a	3/2/2022	0.00064J	No	22	n/a	n/a	63.64	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-35	0.005294	n/a	3/2/2022	0.0015	No	23	0.00203	0.001171	17.39	Kaplan-Meier	No	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWC-5	0.01172	n/a	3/2/2022	0.0038	No	23	0.00547	0.002242	17.39	Kaplan-Meier	No	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWC-6	0.009461	n/a	3/2/2022	0.0053	No	23	0.004948	0.001619	4.348	None	No	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWC-7	0.02347	n/a	3/2/2022	0.0076	No	23	0.009446	0.005033	17.39	Kaplan-Meier	No	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWC-8	0.005501	n/a	3/2/2022	0.003	No	22	0.04904	0.008927	27.27	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWC-9	0.02024	n/a	3/9/2022	0.0076	No	21	0.01003	0.003591	4.762	None	No	0.0001135	Param Intra 1 of 2
Selenium (mg/L)	GWA-1	0.005	n/a	2/28/2022	0.005ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-28	0.005	n/a	3/1/2022	0.005ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-29	0.005	n/a	3/2/2022	0.005ND	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-4	0.005	n/a	3/1/2022	0.005ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-11	0.005	n/a	3/7/2022	0.005ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-12	0.005	n/a	3/7/2022	0.005ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-13	0.005	n/a	3/8/2022	0.005ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-14	0.0071	n/a	3/7/2022	0.005ND	No	31	n/a	n/a	67.74	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-15	0.005	n/a	3/7/2022	0.005ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-16	0.005	n/a	3/8/2022	0.005ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-18	0.005	n/a	3/8/2022	0.005ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-21	0.005	n/a	3/7/2022	0.005ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-22	0.005	n/a	3/8/2022	0.005ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-25	0.005	n/a	3/8/2022	0.005ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-26	0.005	n/a	3/9/2022	0.005ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-27	0.005	n/a	3/8/2022	0.005ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-30	0.005	n/a	3/2/2022	0.005ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-31	0.005	n/a	3/10/2022	0.005ND	No	25	n/a	n/a	80	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-32	0.005	n/a	3/9/2022	0.005ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-33	0.005	n/a	3/9/2022	0.005ND	No	29	n/a	n/a	86.21	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-35	0.005	n/a	3/2/2022	0.005ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-5	0.005	n/a	3/2/2022	0.005ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-6	0.005	n/a	3/2/2022	0.005ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-8	0.005	n/a	3/2/2022	0.005ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-9	0.005	n/a	3/9/2022	0.005ND	No	29	n/a	n/a	86.21	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-29	0.002547	n/a	3/2/2022	0.0013	No	23	0.03184	0.006681	26.09	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
Silver (mg/L)	GWC-11	0.001	n/a	3/7/2022	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-12	0.001	n/a	3/7/2022	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-14	0.001	n/a	3/7/2022	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-16	0.001	n/a	3/8/2022	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-17	0.001	n/a	3/8/2022	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-21	0.001	n/a	3/7/2022	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-22	0.001	n/a	3/8/2022	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-23	0.001	n/a	3/9/2022	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2

Intrawell Prediction Limits Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 1:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Silver (mg/L)	GWC-24	0.001	n/a	3/10/2022	0.001ND	No	12	n/a	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-25	0.001	n/a	3/8/2022	0.001ND	No	22	n/a	n/a	95.45	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-26	0.001	n/a	3/9/2022	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-27	0.001	n/a	3/8/2022	0.001ND	No	22	n/a	n/a	95.45	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-31	0.001	n/a	3/10/2022	0.001ND	No	18	n/a	n/a	50	n/a	n/a	0.005373	NP Intra (normality) 1 of 2
Silver (mg/L)	GWC-32	0.001	n/a	3/9/2022	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-33	0.001	n/a	3/9/2022	0.001ND	No	22	n/a	n/a	95.45	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-5	0.001	n/a	3/2/2022	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-6	0.0032	n/a	3/2/2022	0.001ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-1	0.001	n/a	2/28/2022	0.001ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-2	0.001	n/a	3/1/2022	0.001ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-4	0.001	n/a	3/1/2022	0.001ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-11	0.001	n/a	3/7/2022	0.001ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-12	0.001	n/a	3/7/2022	0.001ND	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-13	0.001	n/a	3/8/2022	0.001ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-14	0.00115	n/a	3/7/2022	0.001ND	No	29	0.01978	0.005303	24.14	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
Thallium (mg/L)	GWC-15	0.001	n/a	3/7/2022	0.001ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-19	0.001	n/a	3/8/2022	0.001ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-20	0.001	n/a	3/7/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-21	0.001	n/a	3/7/2022	0.001ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-22	0.001	n/a	3/8/2022	0.001ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-23	0.001	n/a	3/9/2022	0.001ND	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-24	0.001	n/a	3/10/2022	0.001ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-25	0.001	n/a	3/8/2022	0.001ND	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-27	0.001	n/a	3/8/2022	0.001ND	No	28	n/a	n/a	35.71	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Thallium (mg/L)	GWC-30	0.001	n/a	3/2/2022	0.001ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-31	0.001	n/a	3/10/2022	0.001ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-33	0.001	n/a	3/9/2022	0.001ND	No	27	n/a	n/a	48.15	n/a	n/a	0.002502	NP Intra (normality) 1 of 2
Thallium (mg/L)	GWC-34	0.001	n/a	3/2/2022	0.001ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-35	0.001	n/a	3/2/2022	0.001ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-6	0.001	n/a	3/2/2022	0.001ND	No	30	n/a	n/a	76.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-7	0.001	n/a	3/2/2022	0.001ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-8	0.001	n/a	3/2/2022	0.001ND	No	28	n/a	n/a	78.57	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-9	0.001	n/a	3/9/2022	0.001ND	No	28	n/a	n/a	78.57	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-1	0.0028	n/a	2/28/2022	0.001ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-2	0.0024	n/a	3/1/2022	0.001ND	No	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-28	0.0025	n/a	3/1/2022	0.001ND	No	23	n/a	n/a	78.26	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-29	0.0023	n/a	3/2/2022	0.001ND	No	23	n/a	n/a	78.26	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-3	0.0028	n/a	3/1/2022	0.0012	No	10	n/a	n/a	60	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-4	0.002	n/a	3/1/2022	0.001ND	No	23	n/a	n/a	65.22	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-10	0.0032	n/a	3/8/2022	0.001ND	No	10	n/a	n/a	50	n/a	n/a	0.01476	NP Intra (normality) 1 of 2
Vanadium (mg/L)	GWC-11	0.0064	n/a	3/7/2022	0.0025	No	23	n/a	n/a	21.74	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Vanadium (mg/L)	GWC-12	0.0013	n/a	3/7/2022	0.001ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-13	0.0021	n/a	3/8/2022	0.001ND	No	23	n/a	n/a	82.61	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-14	0.002	n/a	3/7/2022	0.001ND	No	23	n/a	n/a	82.61	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-15	0.003	n/a	3/7/2022	0.001ND	No	23	n/a	n/a	73.91	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-16	0.006928	n/a	3/8/2022	0.0039	No	23	0.004174	0.0009881	26.09	Kaplan-Meier	No	0.0001135	Param Intra 1 of 2
Vanadium (mg/L)	GWC-17	0.005564	n/a	3/8/2022	0.0019	No	23	0.04582	0.01032	34.78	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
Vanadium (mg/L)	GWC-18	0.0036	n/a	3/8/2022	0.0014	No	23	n/a	n/a	52.17	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-19	0.0023	n/a	3/8/2022	0.0011	No	23	n/a	n/a	56.52	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2

Intrawell Prediction Limits Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 1:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Vanadium (mg/L)	GWC-20	0.006089	n/a	3/7/2022	0.0017	No	23	0.0468	0.01121	30.43	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
Vanadium (mg/L)	GWC-21	0.0028	n/a	3/7/2022	0.001ND	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-22	0.0112	n/a	3/8/2022	0.009	No	23	0.007178	0.001443	13.04	None	No	0.0001135	Param Intra 1 of 2
Vanadium (mg/L)	GWC-23	0.0019	n/a	3/9/2022	0.00093J	No	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-24	0.0015	n/a	3/10/2022	0.001ND	No	12	n/a	n/a	75	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-25	0.0077	n/a	3/8/2022	0.001ND	No	22	n/a	n/a	54.55	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-26	0.0024	n/a	3/9/2022	0.001ND	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-27	0.0011	n/a	3/8/2022	0.00085J	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-30	0.0059	n/a	3/2/2022	0.0013	No	23	n/a	n/a	52.17	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-31	0.0043	n/a	3/10/2022	0.0012	No	19	n/a	n/a	63.16	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-32	0.003	n/a	3/9/2022	0.001ND	No	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-33	0.0052	n/a	3/9/2022	0.001ND	No	22	n/a	n/a	77.27	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-34	0.0055	n/a	3/2/2022	0.001ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-35	0.0026	n/a	3/2/2022	0.001ND	No	23	n/a	n/a	78.26	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-5	0.006415	n/a	3/2/2022	0.003	No	23	0.003106	0.001187	30.43	Kaplan-Meier	No	0.0001135	Param Intra 1 of 2
Vanadium (mg/L)	GWC-6	0.0064	n/a	3/2/2022	0.001ND	No	23	n/a	n/a	78.26	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-7	0.005854	n/a	3/2/2022	0.0031	No	23	0.04368	0.01178	43.48	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
Vanadium (mg/L)	GWC-8	0.0038	n/a	3/2/2022	0.0013	No	23	n/a	n/a	60.87	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-9	0.0025	n/a	3/9/2022	0.001ND	No	23	n/a	n/a	65.22	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-1	0.008992	n/a	2/28/2022	0.0032J	No	22	0.004609	0.001557	18.18	Kaplan-Meier	No	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	GWA-2	0.008255	n/a	3/1/2022	0.005ND	No	23	0.00432	0.001412	30.43	Kaplan-Meier	No	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	GWA-28	0.03966	n/a	3/1/2022	0.0057	No	23	-5.131	0.6831	17.39	Kaplan-Meier	ln(x)	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	GWA-29	0.05643	n/a	3/2/2022	0.024	No	23	0.03061	0.009263	0	None	No	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	GWA-3	0.06707	n/a	3/1/2022	0.012	No	10	0.1155	0.0381	20	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	GWA-4	0.014	n/a	3/1/2022	0.005ND	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-10	0.013	n/a	3/8/2022	0.005ND	No	10	n/a	n/a	40	n/a	n/a	0.01476	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-11	0.017	n/a	3/7/2022	0.005ND	No	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-12	0.0087	n/a	3/7/2022	0.005ND	No	23	n/a	n/a	82.61	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-13	0.0085	n/a	3/8/2022	0.005ND	No	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-14	0.02384	n/a	3/7/2022	0.014	No	12	0.01273	0.003253	0	None	No	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	GWC-15	0.005	n/a	3/7/2022	0.005ND	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-16	0.0081	n/a	3/8/2022	0.005ND	No	23	n/a	n/a	65.22	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-17	0.012	n/a	3/8/2022	0.005ND	No	23	n/a	n/a	65.22	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-18	0.0053	n/a	3/8/2022	0.005ND	No	23	n/a	n/a	65.22	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-19	0.02	n/a	3/8/2022	0.0056	No	23	n/a	n/a	39.13	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-20	0.014	n/a	3/7/2022	0.005ND	No	23	n/a	n/a	65.22	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-21	0.01245	n/a	3/7/2022	0.0029J	No	23	0.07306	0.01382	21.74	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	GWC-22	0.0068	n/a	3/8/2022	0.005ND	No	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-23	0.007616	n/a	3/9/2022	0.005ND	No	22	0.003986	0.00129	40.91	Kaplan-Meier	No	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	GWC-24	0.01686	n/a	3/10/2022	0.0037J	No	12	-4.952	0.2543	16.67	Kaplan-Meier	ln(x)	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	GWC-25	0.04212	n/a	3/8/2022	0.005ND	No	22	0.102	0.03667	4.545	None	sqrt(x)	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	GWC-26	0.019	n/a	3/9/2022	0.005ND	No	23	n/a	n/a	34.78	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-27	0.02	n/a	3/8/2022	0.005ND	No	23	n/a	n/a	30.43	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-30	0.022	n/a	3/2/2022	0.005ND	No	22	n/a	n/a	63.64	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-31	0.1093	n/a	3/10/2022	0.0066	No	19	-4.164	0.6689	5.263	None	ln(x)	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	GWC-32	0.1507	n/a	3/9/2022	0.024	No	23	0.06974	0.02906	0	None	No	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	**GWC-33**	**0.01254**	**n/a**	**3/9/2022**	**0.12**	**Yes**	**22**	**0.005835**	**0.002382**	**27.27**	**Kaplan-Meier**	**No**	**0.0001135**	**Param Intra 1 of 2**
Zinc (mg/L)	GWC-34	0.0068	n/a	3/2/2022	0.005ND	No	23	n/a	n/a	65.22	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-35	0.00609	n/a	3/2/2022	0.005ND	No	23	0.00001196	0.000009018	39.13	Kaplan-Meier	x^2	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	GWC-5	0.0067	n/a	3/2/2022	0.005ND	No	23	n/a	n/a	60.87	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2

Intrawell Prediction Limits Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 1:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/L)	GWC-6	0.0071	n/a	3/2/2022	0.005ND	No	22	n/a	n/a	50	n/a	n/a	0.003707	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-7	0.01	n/a	3/2/2022	0.005ND	No	22	n/a	n/a	59.09	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-8	0.009383	n/a	3/2/2022	0.0037J	No	22	0.00357	0.002065	36.36	Kaplan-Meier	No	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	GWC-9	0.0094	n/a	3/9/2022	0.003J	No	22	n/a	n/a	40.91	n/a	n/a	0.003707	NP Intra (normality) 1 of 2

Interwell Prediction Limits Appendix I (Two-Step) - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 2:32 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	**GWC-14**	**0.00021**	**n/a**	**3/7/2022**	**0.00023**	**Yes**	**139**	**n/a**	**n/a**	**94.24**	**n/a**	**n/a**	**0.0001003**	**NP Inter (NDs) 1 of 2**
Zinc (mg/L)	**GWC-33**	**0.063**	**n/a**	**3/9/2022**	**0.12**	**Yes**	**107**	**n/a**	**n/a**	**24.3**	**n/a**	**n/a**	**0.0001695**	**NP Inter (normality) 1 of 2**

Interwell Prediction Limits Appendix I (Two-Step) - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 2:32 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Copper (mg/L)	GWC-22	0.018	n/a	3/8/2022	0.0024	No	109	n/a	n/a	66.06	n/a	n/a	0.0001639	NP Inter (NDs) 1 of 2
Mercury (mg/L)	**GWC-14**	**0.00021**	**n/a**	**3/7/2022**	**0.00023**	**Yes**	**139**	**n/a**	**n/a**	**94.24**	**n/a**	**n/a**	**0.0001003**	**NP Inter (NDs) 1 of 2**
Zinc (mg/L)	**GWC-33**	**0.063**	**n/a**	**3/9/2022**	**0.12**	**Yes**	**107**	**n/a**	**n/a**	**24.3**	**n/a**	**n/a**	**0.0001695**	**NP Inter (normality) 1 of 2**

Intrawell Prediction Limits Appendix III - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 2:37 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate as SO4 (mg/L)	**GWC-12**	**32.83**	**n/a**	**3/7/2022**	**40**	**Yes**	**19**	**23.47**	**3.532**	**0**	**None**	**No**	**0.0002595**	**Param Intra 1 of 2**
Sulfate as SO4 (mg/L)	**GWC-15**	**2.661**	**n/a**	**3/7/2022**	**3.1**	**Yes**	**19**	**1.57**	**0.4117**	**0**	**None**	**No**	**0.0002595**	**Param Intra 1 of 2**
Sulfate as SO4 (mg/L)	**GWC-16**	**1**	**n/a**	**3/8/2022**	**1.1**	**Yes**	**19**	**n/a**	**n/a**	**57.89**	**n/a**	**n/a**	**0.004832**	**NP Intra (NDs) 1 of 2**
Sulfate as SO4 (mg/L)	**GWC-18**	**1**	**n/a**	**3/8/2022**	**1.1**	**Yes**	**19**	**n/a**	**n/a**	**57.89**	**n/a**	**n/a**	**0.004832**	**NP Intra (NDs) 1 of 2**
Sulfate as SO4 (mg/L)	**GWC-21**	**1**	**n/a**	**3/7/2022**	**1.1**	**Yes**	**19**	**n/a**	**n/a**	**89.47**	**n/a**	**n/a**	**0.004832**	**NP Intra (NDs) 1 of 2**

Intrawell Prediction Limits Appendix III - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 2:37 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH, Field (S.U.)	GWA-1	5.828	4.989	2/28/2022	5.29	No	20	5.409	0.1608	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWA-2	6.041	5.301	3/1/2022	5.65	No	19	5.671	0.1397	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWA-28	6.685	5.523	3/1/2022	5.96	No	20	6.104	0.2226	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWA-29	6.445	5.51	3/2/2022	5.87	No	18	n/a	n/a	0	n/a	n/a	0.01075	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWA-3	7.236	4.41	3/1/2022	5.7	No	12	5.823	0.4629	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWA-4	6.603	5.892	3/1/2022	6.29	No	18	6.248	0.1322	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWC-10	7.131	4.939	3/8/2022	5.9	No	19	6.035	0.4138	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWC-11	6.554	5.623	3/7/2022	6.1	No	20	6.088	0.1783	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWC-12	7.851	6.403	3/7/2022	7.32	No	19	151512	31184	0	None	x^6	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWC-13	7.566	6.52	3/8/2022	6.93	No	19	n/a	n/a	0	n/a	n/a	0.009664	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-14	6.344	4.579	3/7/2022	5.5	No	20	5.461	0.3378	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWC-15	7.24	6.31	3/7/2022	6.5	No	19	n/a	n/a	0	n/a	n/a	0.009664	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-16	6.44	5.755	3/8/2022	6.03	No	18	6.097	0.1276	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWC-17	6.481	5.934	3/8/2022	6.06	No	19	6.207	0.1034	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWC-18	6.066	5.77	3/8/2022	6.01	No	18	n/a	n/a	0	n/a	n/a	0.01075	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-19	6.317	5.524	3/8/2022	5.81	No	19	5.921	0.1497	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWC-20	7.121	6.08	3/7/2022	6.13	No	18	n/a	n/a	0	n/a	n/a	0.01075	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-21	6.575	5.3	3/7/2022	5.37	No	19	n/a	n/a	0	n/a	n/a	0.009664	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-22	7.002	6.257	3/8/2022	6.41	No	19	6.63	0.1407	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWC-23	7.295	4.87	3/9/2022	5.5	No	19	n/a	n/a	0	n/a	n/a	0.009664	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-24	7.5	4.97	3/10/2022	5.14	No	18	n/a	n/a	0	n/a	n/a	0.01075	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-25	7.268	4.994	3/8/2022	6.24	No	22	6.131	0.443	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWC-26	6.038	5.52	3/9/2022	5.69	No	19	n/a	n/a	0	n/a	n/a	0.009664	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-27	6.005	5.108	3/8/2022	5.57	No	20	5.557	0.1719	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWC-30	6.78	5.77	3/2/2022	6.07	No	20	n/a	n/a	0	n/a	n/a	0.008582	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-31	6.454	5.724	3/10/2022	6.02	No	19	6.089	0.1377	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWC-32	6.401	5.852	3/9/2022	6.11	No	19	6.126	0.1035	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWC-33	6.998	5.683	3/9/2022	5.85	No	20	6.34	0.2517	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWC-34	6.533	5.377	3/2/2022	5.91	No	20	1.779	0.0373	0	None	ln(x)	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWC-35	6.32	5.19	3/2/2022	5.73	No	20	n/a	n/a	0	n/a	n/a	0.008582	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-5	7.05	6.15	3/2/2022	6.31	No	19	n/a	n/a	0	n/a	n/a	0.009664	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-6	6.5	5.71	3/2/2022	5.89	No	19	n/a	n/a	0	n/a	n/a	0.009664	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-7	6.622	6.087	3/2/2022	6.4	No	19	6.355	0.1008	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWC-8	6.56	5.472	3/2/2022	5.89	No	21	6.016	0.2101	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWC-9	6.358	5.262	3/9/2022	5.53	No	18	5.81	0.2041	0	None	No	0.0001297	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWA-1	1.7	n/a	2/28/2022	1ND	No	19	n/a	n/a	89.47	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWA-2	2.5	n/a	3/1/2022	2	No	19	n/a	n/a	0	n/a	n/a	0.004832	NP Intra (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWA-28	3	n/a	3/1/2022	1	No	19	n/a	n/a	5.263	n/a	n/a	0.004832	NP Intra (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWA-29	26	n/a	3/2/2022	6	No	18	n/a	n/a	0	n/a	n/a	0.005373	NP Intra (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWA-3	256.6	n/a	3/1/2022	64	No	12	72.39	60.36	8.333	None	No	0.0002595	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWA-4	15	n/a	3/1/2022	9.6	No	19	n/a	n/a	0	n/a	n/a	0.004832	NP Intra (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWC-10	53.32	n/a	3/8/2022	13	No	19	24.9	10.73	0	None	No	0.0002595	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-11	1.5	n/a	3/7/2022	1ND	No	18	n/a	n/a	77.78	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	**GWC-12**	**32.83**	**n/a**	**3/7/2022**	**40**	**Yes**	**19**	**23.47**	**3.532**	**0**	**None**	**No**	**0.0002595**	**Param Intra 1 of 2**
Sulfate as SO4 (mg/L)	GWC-13	4.5	n/a	3/8/2022	3.3	No	19	n/a	n/a	0	n/a	n/a	0.004832	NP Intra (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWC-14	36.35	n/a	3/7/2022	16	No	19	2.395	0.3463	0	None	x^(1/3)	0.0002595	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	**GWC-15**	**2.661**	**n/a**	**3/7/2022**	**3.1**	**Yes**	**19**	**1.57**	**0.4117**	**0**	**None**	**No**	**0.0002595**	**Param Intra 1 of 2**
Sulfate as SO4 (mg/L)	**GWC-16**	**1**	**n/a**	**3/8/2022**	**1.1**	**Yes**	**19**	**n/a**	**n/a**	**57.89**	**n/a**	**n/a**	**0.004832**	**NP Intra (NDs) 1 of 2**
Sulfate as SO4 (mg/L)	GWC-17	1.204	n/a	3/8/2022	1	No	19	0.6438	0.416	47.37	Kaplan-Meier	x^3	0.0002595	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	**GWC-18**	**1**	**n/a**	**3/8/2022**	**1.1**	**Yes**	**19**	**n/a**	**n/a**	**57.89**	**n/a**	**n/a**	**0.004832**	**NP Intra (NDs) 1 of 2**

Intrawell Prediction Limits Appendix III - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 2:37 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate as SO4 (mg/L)	GWC-19	2.5	n/a	3/8/2022	0.94J	No	18	n/a	n/a	33.33	n/a	n/a	0.005373	NP Intra (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWC-20	1.37	n/a	3/7/2022	1.3	No	19	0.9408	0.162	10.53	None	No	0.0002595	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	**GWC-21**	**1**	**n/a**	**3/7/2022**	**1.1**	**Yes**	**19**	**n/a**	**n/a**	**89.47**	**n/a**	**n/a**	**0.004832**	**NP Intra (NDs) 1 of 2**
Sulfate as SO4 (mg/L)	GWC-22	1.2	n/a	3/8/2022	1ND	No	19	n/a	n/a	63.16	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-23	1	n/a	3/9/2022	0.76J	No	19	n/a	n/a	73.68	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-24	2.3	n/a	3/10/2022	0.83J	No	19	n/a	n/a	63.16	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-25	31.87	n/a	3/8/2022	5.4	No	19	11.33	7.753	0	None	No	0.0002595	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-26	1.8	n/a	3/9/2022	1ND	No	19	n/a	n/a	63.16	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-27	4.037	n/a	3/8/2022	1.6	No	19	1.754	0.8617	5.263	None	No	0.0002595	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-30	3.3	n/a	3/2/2022	1.4	No	19	n/a	n/a	0	n/a	n/a	0.004832	NP Intra (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWC-31	24.08	n/a	3/10/2022	8.9	No	14	13.81	3.532	0	None	No	0.0002595	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-32	13.5	n/a	3/9/2022	7.6	No	19	n/a	n/a	0	n/a	n/a	0.004832	NP Intra (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWC-33	33.64	n/a	3/9/2022	7.4	No	18	15.78	6.647	0	None	No	0.0002595	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-34	3.8	n/a	3/2/2022	1.6	No	19	n/a	n/a	0	n/a	n/a	0.004832	NP Intra (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWC-35	4.7	n/a	3/2/2022	3.2	No	19	n/a	n/a	0	n/a	n/a	0.004832	NP Intra (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWC-5	41.47	n/a	3/2/2022	28	No	19	23.84	6.654	0	None	No	0.0002595	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-6	30	n/a	3/2/2022	13	No	19	n/a	n/a	0	n/a	n/a	0.004832	NP Intra (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWC-7	109.4	n/a	3/2/2022	41	No	18	66.77	15.88	0	None	No	0.0002595	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-8	37.56	n/a	3/2/2022	14	No	18	2.584	0.2845	0	None	x^(1/3)	0.0002595	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-9	43.17	n/a	3/9/2022	6.6	No	19	2.797	0.3654	0	None	ln(x)	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-1	40.05	n/a	2/28/2022	25	No	19	3.022	1.248	31.58	Kaplan-Meier	sqrt(x)	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-2	86.19	n/a	3/1/2022	26	No	19	33.67	19.83	15.79	Kaplan-Meier	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-28	111.6	n/a	3/1/2022	72	No	19	60.63	19.22	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-29	145.1	n/a	3/2/2022	85	No	18	74.89	26.14	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-3	410	n/a	3/1/2022	180	No	12	n/a	n/a	0	n/a	n/a	0.01077	NP Intra (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-4	213.6	n/a	3/1/2022	140	No	19	158.1	20.95	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-10	302.3	n/a	3/8/2022	130	No	19	158.7	54.2	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-11	311.4	n/a	3/7/2022	130	No	19	153.1	59.77	5.263	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-12	282.9	n/a	3/7/2022	220	No	19	189.8	35.15	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-13	91.76	n/a	3/8/2022	38	No	19	50.21	15.69	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-14	598.6	n/a	3/7/2022	320	No	19	304.1	111.2	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-15	119.6	n/a	3/7/2022	80	No	19	80.11	14.91	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-16	120	n/a	3/8/2022	70	No	19	6294	3060	0	None	x^2	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-17	131.6	n/a	3/8/2022	87	No	19	8696	3256	0	None	x^2	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-18	119.7	n/a	3/8/2022	72	No	19	76.21	16.41	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-19	119.8	n/a	3/8/2022	61	No	19	62.74	21.55	5.263	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-20	124.6	n/a	3/7/2022	72	No	19	89.47	13.27	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-21	91.27	n/a	3/7/2022	43	No	19	48.16	16.27	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-22	127.5	n/a	3/8/2022	89	No	19	1025515	395328	5.263	None	x^3	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-23	140	n/a	3/9/2022	40	No	19	n/a	n/a	5.263	n/a	n/a	0.004832	NP Intra (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-24	46.18	n/a	3/10/2022	15	No	19	23	8.75	10.53	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-25	130.6	n/a	3/8/2022	59	No	19	77.53	20.05	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-26	93.47	n/a	3/9/2022	28	No	19	37.82	21.01	5.263	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-27	76.84	n/a	3/8/2022	25	No	19	31.53	17.11	15.79	Kaplan-Meier	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-30	83.18	n/a	3/2/2022	41	No	19	42.37	15.41	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-31	172	n/a	3/10/2022	87	No	14	107.6	22.15	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-32	142.4	n/a	3/9/2022	74	No	19	89.21	20.08	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-33	163.1	n/a	3/9/2022	97	No	19	103.9	22.33	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-34	105.8	n/a	3/2/2022	42	No	19	42.37	23.94	10.53	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-35	74.28	n/a	3/2/2022	28	No	19	35.24	14.74	5.263	None	No	0.0002595	Param Intra 1 of 2

Intrawell Prediction Limits Appendix III - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 2:37 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids [TDS] (mg/L)	GWC-5	281.4	n/a	3/2/2022	180	No	19	182.2	37.46	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-6	194.7	n/a	3/2/2022	130	No	19	114.9	30.12	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-7	550.3	n/a	3/2/2022	370	No	19	421.6	48.55	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-8	283.1	n/a	3/2/2022	150	No	19	175.2	40.76	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-9	338.7	n/a	3/9/2022	82	No	19	165.9	65.23	0	None	No	0.0002595	Param Intra 1 of 2

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

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 4:57 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate as SO4 (mg/L)	GWC-12	203	n/a	3/7/2022	40	No	92	n/a	n/a	21.74	n/a	n/a	0.0002231	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWC-15	203	n/a	3/7/2022	3.1	No	92	n/a	n/a	21.74	n/a	n/a	0.0002231	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWC-16	203	n/a	3/8/2022	1.1	No	92	n/a	n/a	21.74	n/a	n/a	0.0002231	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWC-18	203	n/a	3/8/2022	1.1	No	92	n/a	n/a	21.74	n/a	n/a	0.0002231	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWC-21	203	n/a	3/7/2022	1.1	No	92	n/a	n/a	21.74	n/a	n/a	0.0002231	NP Inter (normality) 1 of 2

Interwell Prediction Limits Appendix III - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 5:01 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	**GWC-12**	**0.08**	**n/a**	**3/7/2022**	**0.11**	**Yes**	**113**	**n/a**	**n/a**	**97.35**	**n/a**	**n/a**	**0.0001527**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**GWC-14**	**0.08**	**n/a**	**3/7/2022**	**1**	**Yes**	**113**	**n/a**	**n/a**	**97.35**	**n/a**	**n/a**	**0.0001527**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**GWC-15**	**0.08**	**n/a**	**3/7/2022**	**0.14**	**Yes**	**113**	**n/a**	**n/a**	**97.35**	**n/a**	**n/a**	**0.0001527**	**NP Inter (NDs) 1 of 2**
Chloride, Total (mg/L)	**GWC-14**	**49**	**n/a**	**3/7/2022**	**160**	**Yes**	**112**	**n/a**	**n/a**	**0.8929**	**n/a**	**n/a**	**0.0001555**	**NP Inter (normality) 1 of 2**

Interwell Prediction Limits Appendix III - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 5:01 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	GWC-10	0.08	n/a	3/8/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-11	0.08	n/a	3/7/2022	0.067J	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	**GWC-12**	**0.08**	**n/a**	**3/7/2022**	**0.11**	**Yes**	**113**	**n/a**	**n/a**	**97.35**	**n/a**	**n/a**	**0.0001527**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	GWC-13	0.08	n/a	3/8/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	**GWC-14**	**0.08**	**n/a**	**3/7/2022**	**1**	**Yes**	**113**	**n/a**	**n/a**	**97.35**	**n/a**	**n/a**	**0.0001527**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**GWC-15**	**0.08**	**n/a**	**3/7/2022**	**0.14**	**Yes**	**113**	**n/a**	**n/a**	**97.35**	**n/a**	**n/a**	**0.0001527**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	GWC-16	0.08	n/a	3/8/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-17	0.08	n/a	3/8/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-18	0.08	n/a	3/8/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-19	0.08	n/a	3/8/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-20	0.08	n/a	3/7/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-21	0.08	n/a	3/7/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-22	0.08	n/a	3/8/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-23	0.08	n/a	3/9/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-24	0.08	n/a	3/10/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-25	0.08	n/a	3/8/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-26	0.08	n/a	3/9/2022	0.066J	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-27	0.08	n/a	3/8/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-30	0.08	n/a	3/2/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-31	0.08	n/a	3/10/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-32	0.08	n/a	3/9/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-33	0.08	n/a	3/9/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-34	0.08	n/a	3/2/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-35	0.08	n/a	3/2/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-5	0.08	n/a	3/2/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-6	0.08	n/a	3/2/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-7	0.08	n/a	3/2/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-8	0.08	n/a	3/2/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-9	0.08	n/a	3/9/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Calcium, total (mg/L)	GWC-10	72	n/a	3/8/2022	16	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-11	72	n/a	3/7/2022	6.9	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-12	72	n/a	3/7/2022	48	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-13	72	n/a	3/8/2022	3.9	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-14	72	n/a	3/7/2022	31	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-15	72	n/a	3/7/2022	11	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-16	72	n/a	3/8/2022	6.6	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-17	72	n/a	3/8/2022	7.9	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-18	72	n/a	3/8/2022	7.5	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-19	72	n/a	3/8/2022	9	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-20	72	n/a	3/7/2022	8.6	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-21	72	n/a	3/7/2022	6.5	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-22	72	n/a	3/8/2022	11	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-23	72	n/a	3/9/2022	3.5	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-24	72	n/a	3/10/2022	0.14J	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-25	72	n/a	3/8/2022	7.3	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-26	72	n/a	3/9/2022	2	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-27	72	n/a	3/8/2022	2.4	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-30	72	n/a	3/2/2022	3.6	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-31	72	n/a	3/10/2022	8.3	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-32	72	n/a	3/9/2022	5.4	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2

Interwell Prediction Limits Appendix III - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 5:01 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium, total (mg/L)	GWC-33	72	n/a	3/9/2022	20	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-34	72	n/a	3/2/2022	2.8	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-35	72	n/a	3/2/2022	2.6	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-5	72	n/a	3/2/2022	30	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-6	72	n/a	3/2/2022	14	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-7	72	n/a	3/2/2022	47	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-8	72	n/a	3/2/2022	24	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-9	72	n/a	3/9/2022	8.1	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-10	49	n/a	3/8/2022	4.8	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-11	49	n/a	3/7/2022	1.4	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-12	49	n/a	3/7/2022	33	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-13	49	n/a	3/8/2022	1.4	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	**GWC-14**	**49**	**n/a**	**3/7/2022**	**160**	**Yes**	**112**	**n/a**	**n/a**	**0.8929**	**n/a**	**n/a**	**0.0001555**	**NP Inter (normality) 1 of 2**
Chloride, Total (mg/L)	GWC-15	49	n/a	3/7/2022	8.8	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-16	49	n/a	3/8/2022	1.7	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-17	49	n/a	3/8/2022	0.86J	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-18	49	n/a	3/8/2022	1.6	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-19	49	n/a	3/8/2022	1.5	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-20	49	n/a	3/7/2022	2.3	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-21	49	n/a	3/7/2022	3.7	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-22	49	n/a	3/8/2022	1.3	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-23	49	n/a	3/9/2022	1.4	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-24	49	n/a	3/10/2022	3.2	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-25	49	n/a	3/8/2022	4.6	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-26	49	n/a	3/9/2022	3.3	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-27	49	n/a	3/8/2022	0.72J	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-30	49	n/a	3/2/2022	1.3	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-31	49	n/a	3/10/2022	0.94J	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-32	49	n/a	3/9/2022	1	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-33	49	n/a	3/9/2022	1.5	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-34	49	n/a	3/2/2022	1.1	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-35	49	n/a	3/2/2022	4.6	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-5	49	n/a	3/2/2022	11	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-6	49	n/a	3/2/2022	7.6	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-7	49	n/a	3/2/2022	22	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-8	49	n/a	3/2/2022	3	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-9	49	n/a	3/9/2022	4	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-10	3.2	n/a	3/8/2022	1.2	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-11	3.2	n/a	3/7/2022	0.14	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-12	3.2	n/a	3/7/2022	0.18	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-13	3.2	n/a	3/8/2022	0.13	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-14	3.2	n/a	3/7/2022	0.071J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-15	3.2	n/a	3/7/2022	0.12	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-16	3.2	n/a	3/8/2022	0.057J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-17	3.2	n/a	3/8/2022	0.057J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-18	3.2	n/a	3/8/2022	0.058J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-19	3.2	n/a	3/8/2022	0.046J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-20	3.2	n/a	3/7/2022	0.07J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-21	3.2	n/a	3/7/2022	0.043J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-22	3.2	n/a	3/8/2022	0.054J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2

Interwell Prediction Limits Appendix III - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 5:01 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride, total (mg/L)	GWC-23	3.2	n/a	3/9/2022	0.049J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-24	3.2	n/a	3/10/2022	0.037J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-25	3.2	n/a	3/8/2022	0.057J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-26	3.2	n/a	3/9/2022	0.049J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-27	3.2	n/a	3/8/2022	0.5	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-30	3.2	n/a	3/2/2022	0.047J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-31	3.2	n/a	3/10/2022	1.5	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-32	3.2	n/a	3/9/2022	1.9	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-33	3.2	n/a	3/9/2022	2.1	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-34	3.2	n/a	3/2/2022	0.086J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-35	3.2	n/a	3/2/2022	0.1ND	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-5	3.2	n/a	3/2/2022	0.093J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-6	3.2	n/a	3/2/2022	0.082J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-7	3.2	n/a	3/2/2022	0.16	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-8	3.2	n/a	3/2/2022	0.058J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-9	3.2	n/a	3/9/2022	0.068J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2

Trend Test Summary (Prediction Limit Exceedances) - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 1:13 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/L)	**GWA-4 (bg)**	**0.004632**	**165**	**152**	**Yes**	**31**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Barium (mg/L)	**GWC-14**	**0.02455**	**323**	**152**	**Yes**	**31**	**3.226**	**n/a**	**n/a**	**0.01**	**NP**
Copper (mg/L)	**GWA-29 (bg)**	**-0.0007484**	**-152**	**-105**	**Yes**	**24**	**12.5**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate as SO4 (mg/L)	**GWC-12**	**1.941**	**157**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Trend Test Summary (Prediction Limit Exceedances) - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 1:13 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/L)	GWA-1 (bg)	-0.00009916	-58	-152	No	31	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-2 (bg)	-0.0002081	-54	-152	No	31	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-28 (bg)	0	72	152	No	31	45.16	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-29 (bg)	0.00008162	54	139	No	29	27.59	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-3 (bg)	0.007087	47	63	No	17	0	n/a	n/a	0.01	NP
Barium (mg/L)	**GWA-4 (bg)**	**0.004632**	**165**	**152**	**Yes**	**31**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Barium (mg/L)	**GWC-14**	**0.02455**	**323**	**152**	**Yes**	**31**	**3.226**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	GWA-1 (bg)	0	-17	-81	No	20	90	n/a	n/a	0.01	NP
Boron, total (mg/L)	GWA-2 (bg)	0	0	81	No	20	100	n/a	n/a	0.01	NP
Boron, total (mg/L)	GWA-28 (bg)	0	0	81	No	20	100	n/a	n/a	0.01	NP
Boron, total (mg/L)	GWA-29 (bg)	0	8	74	No	19	94.74	n/a	n/a	0.01	NP
Boron, total (mg/L)	GWA-3 (bg)	0	0	48	No	14	100	n/a	n/a	0.01	NP
Boron, total (mg/L)	GWA-4 (bg)	0	0	81	No	20	100	n/a	n/a	0.01	NP
Boron, total (mg/L)	GWC-12	0	-19	-81	No	20	50	n/a	n/a	0.01	NP
Boron, total (mg/L)	GWC-14	0.1054	61	81	No	20	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	GWC-15	0.003678	31	81	No	20	25	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-1 (bg)	0.04698	47	81	No	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-2 (bg)	0.1375	37	81	No	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-28 (bg)	0	-25	-81	No	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-29 (bg)	-0.03778	-47	-74	No	19	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-3 (bg)	5.8	42	43	No	13	7.692	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-4 (bg)	-1.144	-68	-81	No	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-14	13.29	74	81	No	20	0	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-1 (bg)	0	0	105	No	24	100	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-2 (bg)	0	-75	-105	No	24	70.83	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-28 (bg)	0	9	105	No	24	95.83	n/a	n/a	0.01	NP
Copper (mg/L)	**GWA-29 (bg)**	**-0.0007484**	**-152**	**-105**	**Yes**	**24**	**12.5**	**n/a**	**n/a**	**0.01**	**NP**
Copper (mg/L)	GWA-3 (bg)	0.00009358	21	43	No	13	38.46	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-4 (bg)	0	0	105	No	24	100	n/a	n/a	0.01	NP
Copper (mg/L)	GWC-22	0	9	105	No	24	91.67	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-1 (bg)	0	-3	-152	No	31	93.55	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-2 (bg)	0	-3	-152	No	31	93.55	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-28 (bg)	0	-3	-152	No	31	93.55	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-29 (bg)	0	18	139	No	29	96.55	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-3 (bg)	0	6	63	No	17	94.12	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-4 (bg)	0	-3	-152	No	31	93.55	n/a	n/a	0.01	NP
Mercury (mg/L)	GWC-14	0	17	152	No	31	80.65	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-1 (bg)	0	5	81	No	20	90	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-2 (bg)	0.06796	46	81	No	20	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-28 (bg)	0.02279	19	81	No	20	5	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-29 (bg)	-0.3824	-53	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-3 (bg)	-10.69	-14	-38	No	12	8.333	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-4 (bg)	0	1	81	No	20	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	**GWC-12**	**1.941**	**157**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate as SO4 (mg/L)	GWC-15	0.135	62	81	No	20	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWC-16	0	5	81	No	20	55	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWC-18	0	11	81	No	20	55	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWC-21	0	28	81	No	20	85	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-1 (bg)	-0.00009341	-24	-98	No	23	17.39	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-2 (bg)	-0.00005833	-68	-105	No	24	33.33	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-28 (bg)	0.0003278	92	105	No	24	16.67	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-29 (bg)	-0.0009185	-43	-105	No	24	0	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-3 (bg)	0	-2	-43	No	13	15.38	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-4 (bg)	0	5	92	No	22	54.55	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-33	0.0002483	63	98	No	23	26.09	n/a	n/a	0.01	NP

Intrawell Prediction Limits (Resamples) Appendix I - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/27/2022, 11:53 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/L)	**GWC-33**	**0.01254**	**n/a**	**5/4/2022**	**0.022**	**Yes**	**22**	**0.005835**	**0.002382**	**27.27**	**Kaplan-Meier**	**No**	**0.0001135**	**Param Intra 1 of 2**

Intrawell Prediction Limits (Resamples) Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/27/2022, 11:53 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	GWC-14	0.0002	n/a	5/3/2022	0.0002ND	No	30	n/a	n/a	83.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Zinc (mg/L)	**GWC-33**	**0.01254**	**n/a**	**5/4/2022**	**0.022**	**Yes**	**22**	**0.005835**	**0.002382**	**27.27**	**Kaplan-Meier**	**No**	**0.0001135**	**Param Intra 1 of 2**

Interwell Prediction Limit (Two-Step - Resample) Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/27/2022, 11:55 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/L)	GWC-33	0.063	n/a	5/4/2022	0.022	No	107	n/a	n/a	24.3	n/a	n/a	0.0001695	NP Inter (normality) 1 of 2

Interwell Prediction Limit (Resamples) Appendix III - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/27/2022, 1:16 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	**GWC-14**	**0.08**	**n/a**	**5/3/2022**	**1.3**	**Yes**	**113**	**n/a**	**n/a**	**97.35**	**n/a**	**n/a**	**0.0001527**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**GWC-15**	**0.08**	**n/a**	**5/4/2022**	**0.13**	**Yes**	**113**	**n/a**	**n/a**	**97.35**	**n/a**	**n/a**	**0.0001527**	**NP Inter (NDs) 1 of 2**

Interwell Prediction Limit (Resamples) Appendix III - All Results

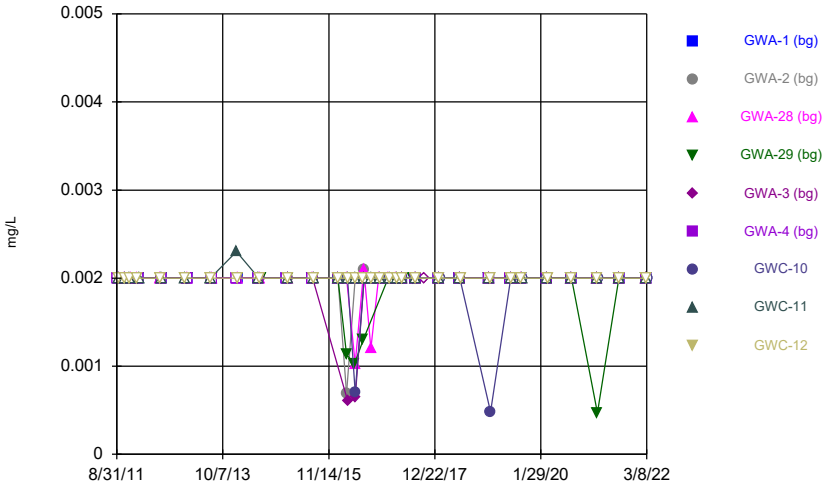
Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/27/2022, 1:16 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	GWC-12	0.08	n/a	5/3/2022	0.075J	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	**GWC-14**	**0.08**	**n/a**	**5/3/2022**	**1.3**	**Yes**	**113**	**n/a**	**n/a**	**97.35**	**n/a**	**n/a**	**0.0001527**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**GWC-15**	**0.08**	**n/a**	**5/4/2022**	**0.13**	**Yes**	**113**	**n/a**	**n/a**	**97.35**	**n/a**	**n/a**	**0.0001527**	**NP Inter (NDs) 1 of 2**

FIGURE A.

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

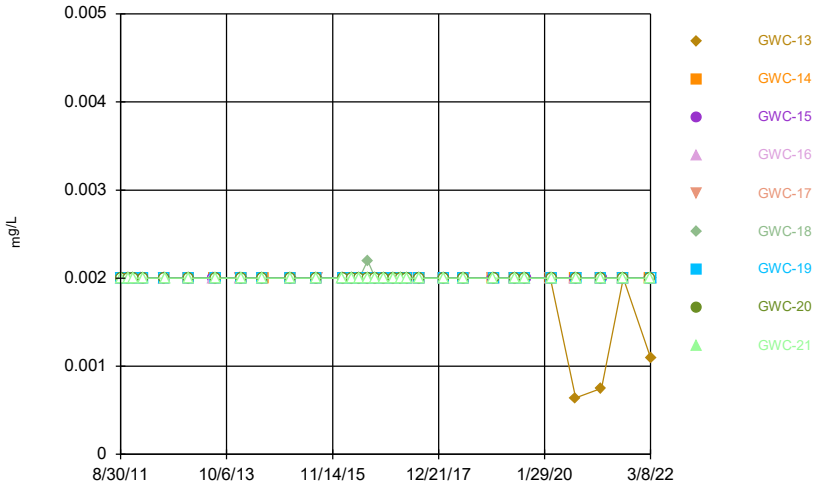
Time Series



Constituent: Antimony Analysis Run 5/14/2022 12:03 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

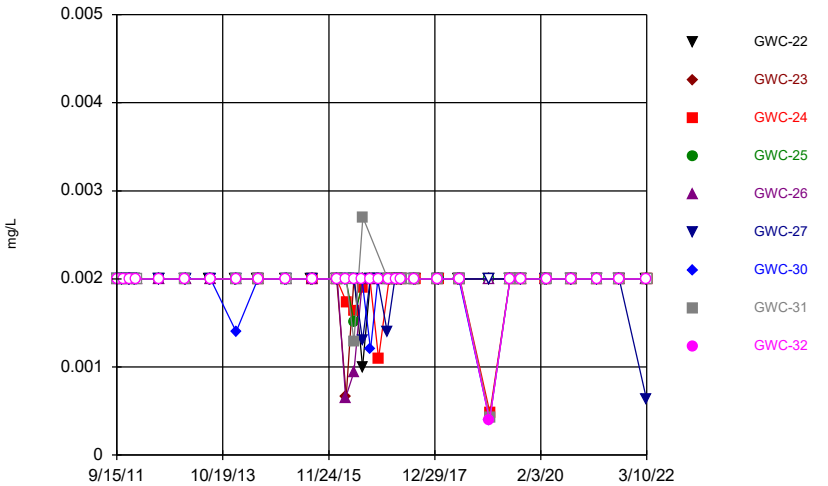
Time Series



Constituent: Antimony Analysis Run 5/14/2022 12:03 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

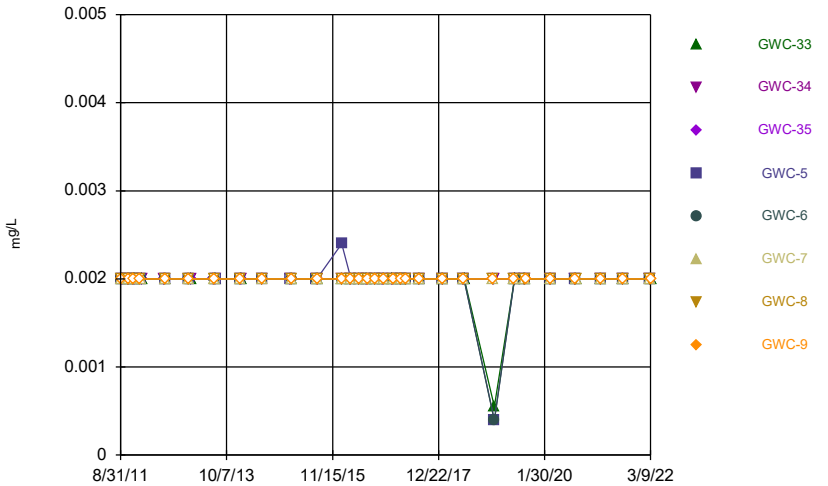
Time Series



Constituent: Antimony Analysis Run 5/14/2022 12:03 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

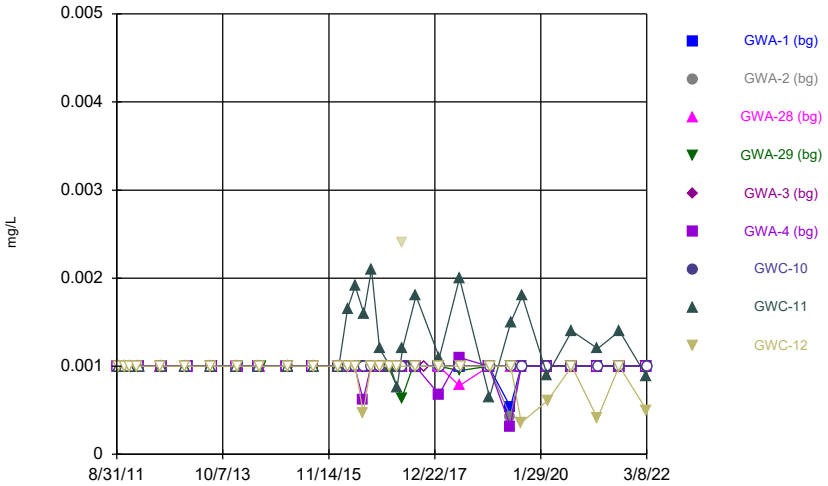
Time Series



Constituent: Antimony Analysis Run 5/14/2022 12:03 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

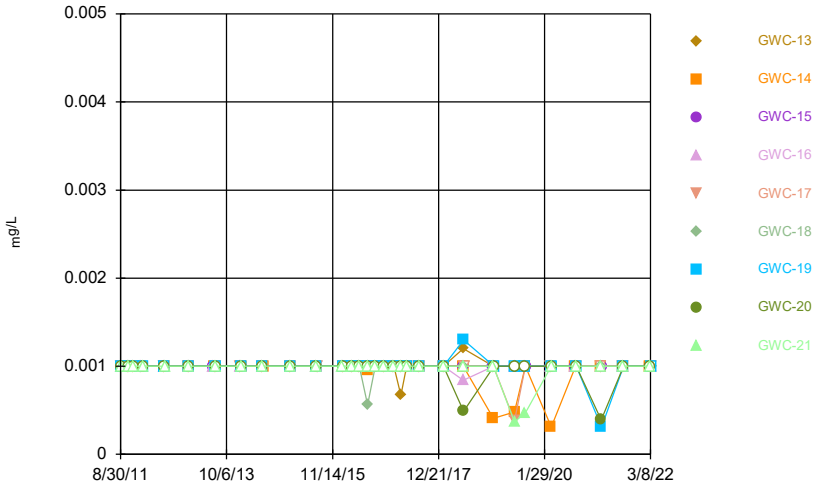
Time Series



Constituent: Arsenic Analysis Run 5/14/2022 12:03 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

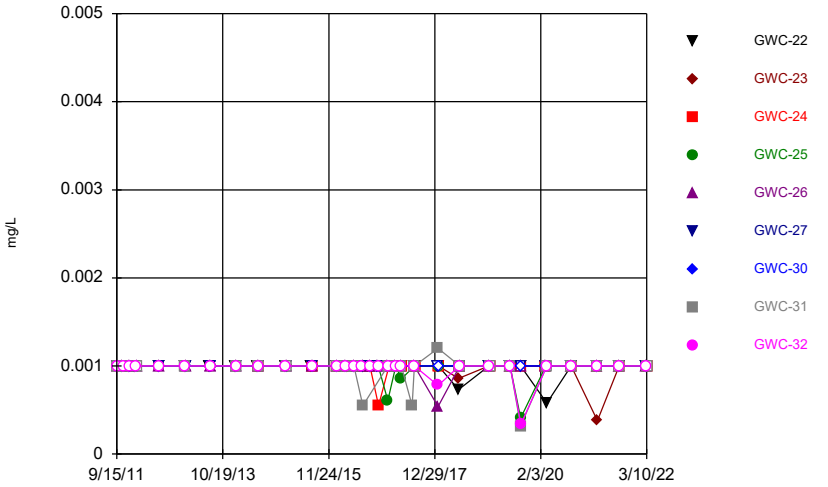
Time Series



Constituent: Arsenic Analysis Run 5/14/2022 12:03 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

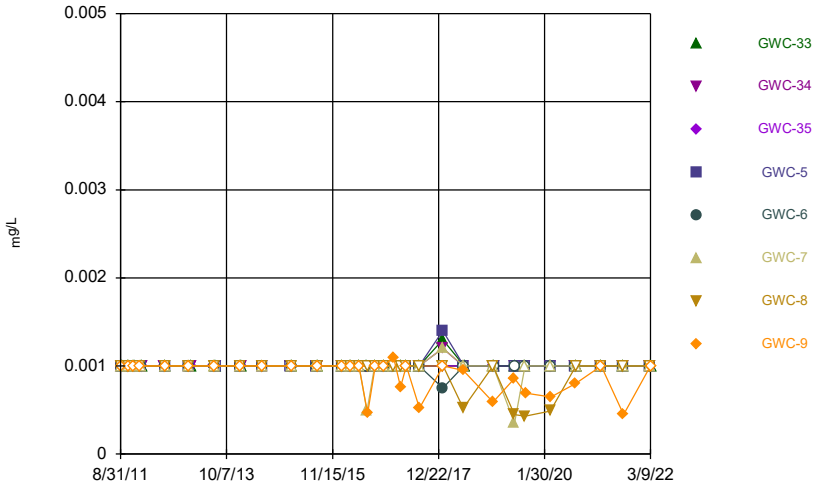
Time Series



Constituent: Arsenic Analysis Run 5/14/2022 12:03 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

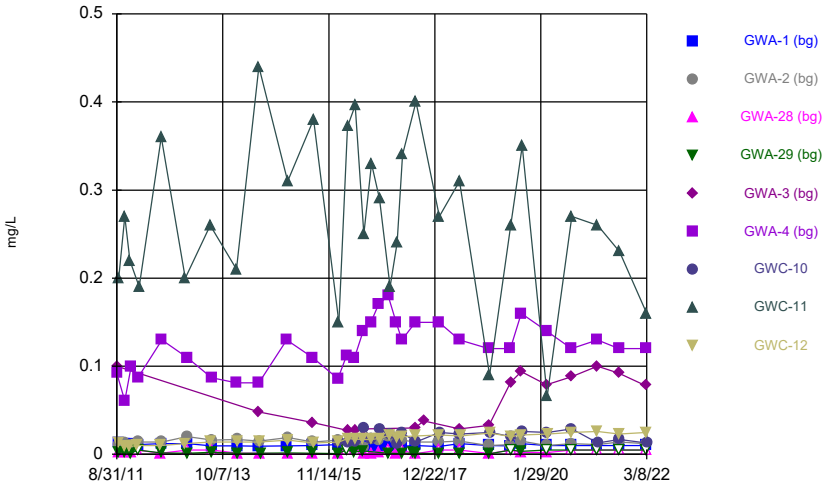
Time Series



Constituent: Arsenic Analysis Run 5/14/2022 12:03 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

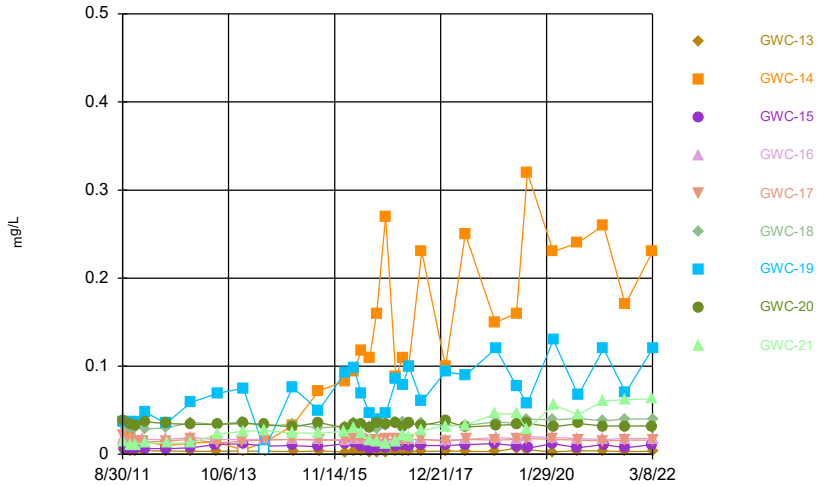
Time Series



Constituent: Barium Analysis Run 5/14/2022 12:03 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

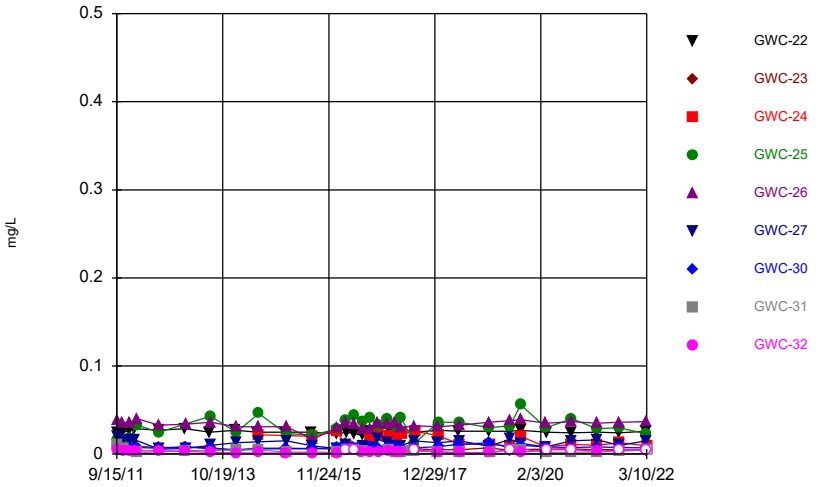
Time Series



Constituent: Barium Analysis Run 5/14/2022 12:03 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

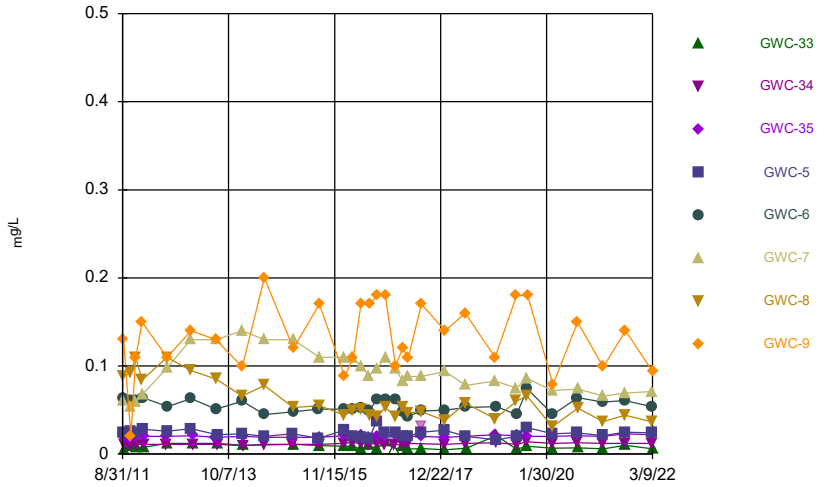
Time Series



Constituent: Barium Analysis Run 5/14/2022 12:03 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

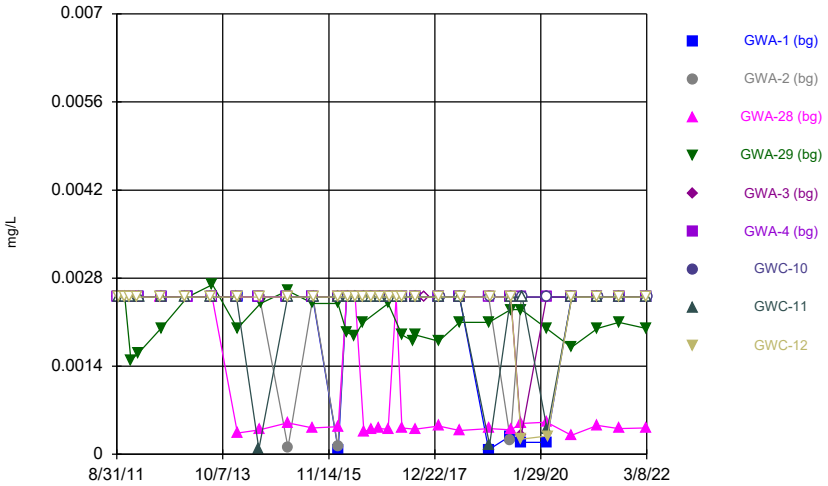
Time Series



Constituent: Barium Analysis Run 5/14/2022 12:03 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

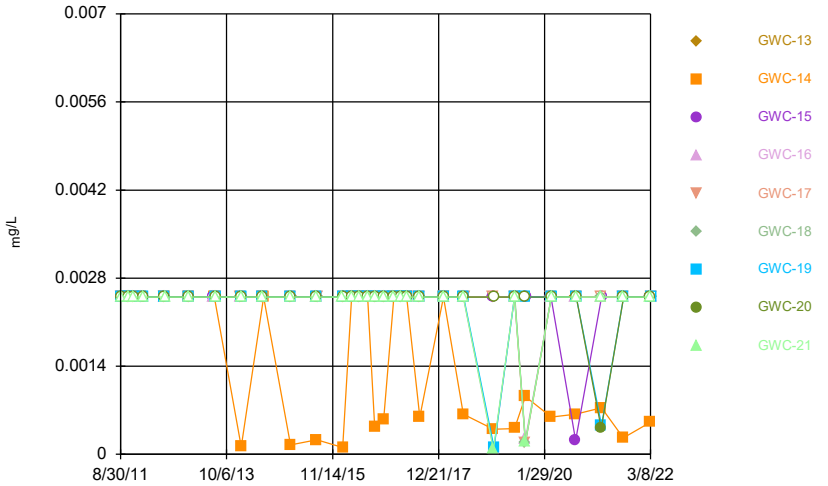
Time Series



Constituent: Beryllium Analysis Run 5/14/2022 12:03 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

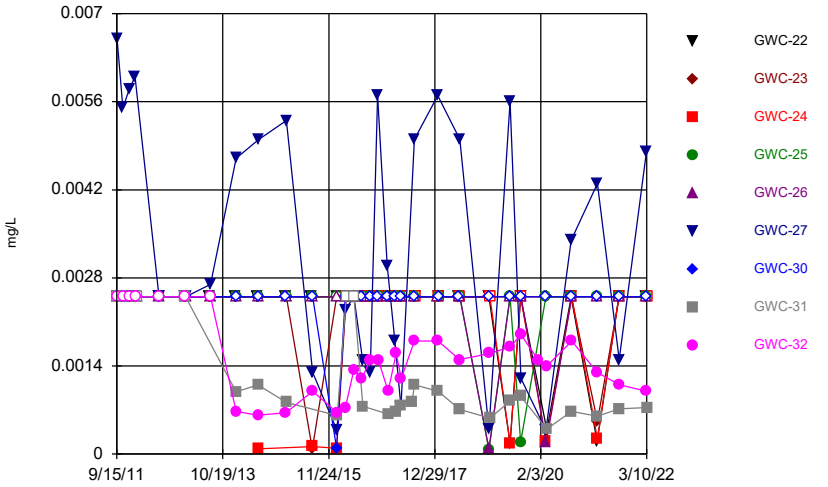
Time Series



Constituent: Beryllium Analysis Run 5/14/2022 12:03 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

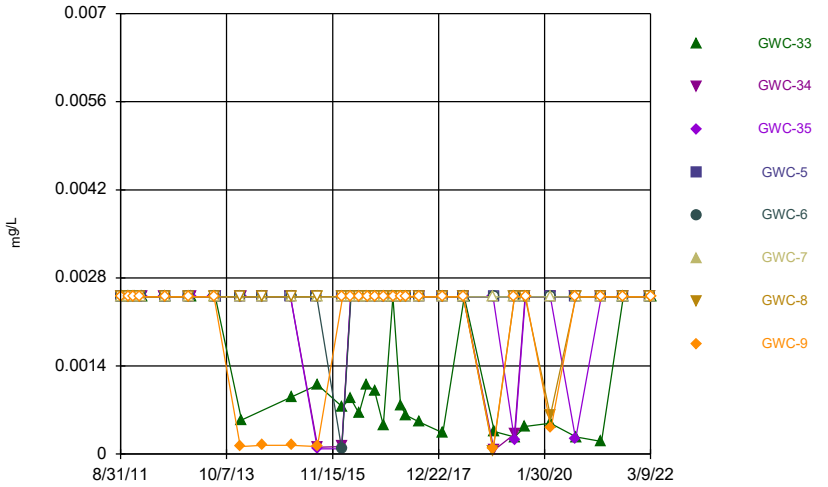
Time Series



Constituent: Beryllium Analysis Run 5/14/2022 12:03 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

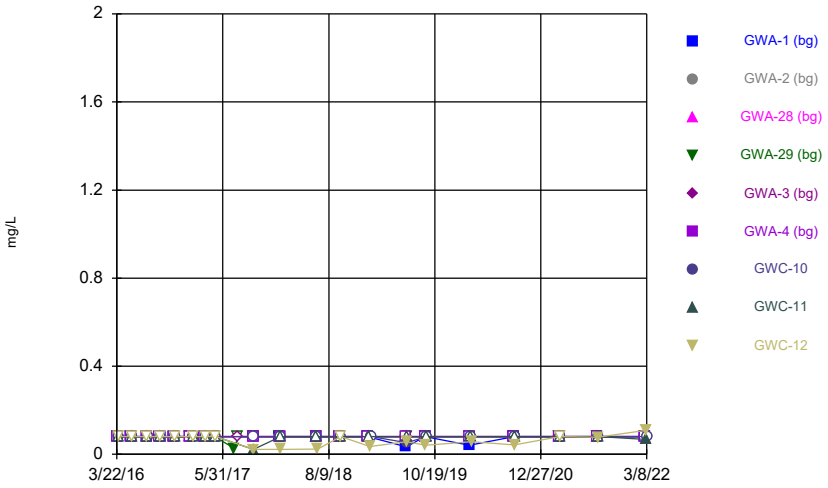
Time Series



Constituent: Beryllium Analysis Run 5/14/2022 12:04 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

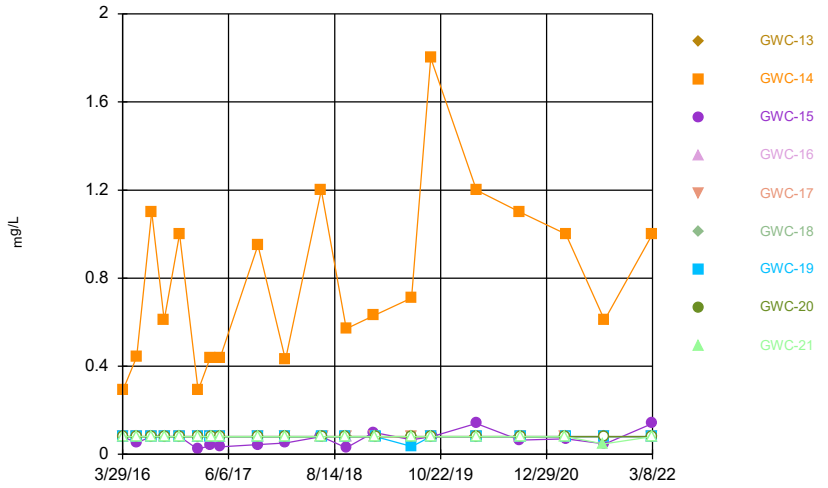
Time Series



Constituent: Boron, total Analysis Run 5/14/2022 12:04 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

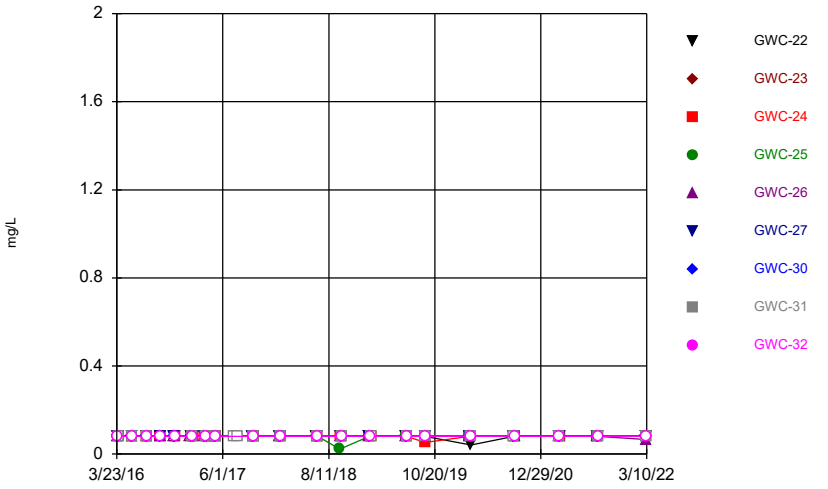
Time Series



Constituent: Boron, total Analysis Run 5/14/2022 12:04 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

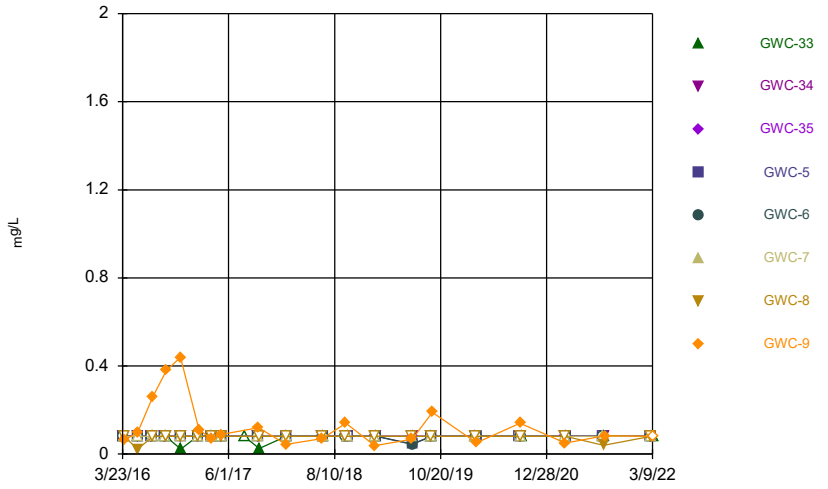
Time Series



Constituent: Boron, total Analysis Run 5/14/2022 12:04 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

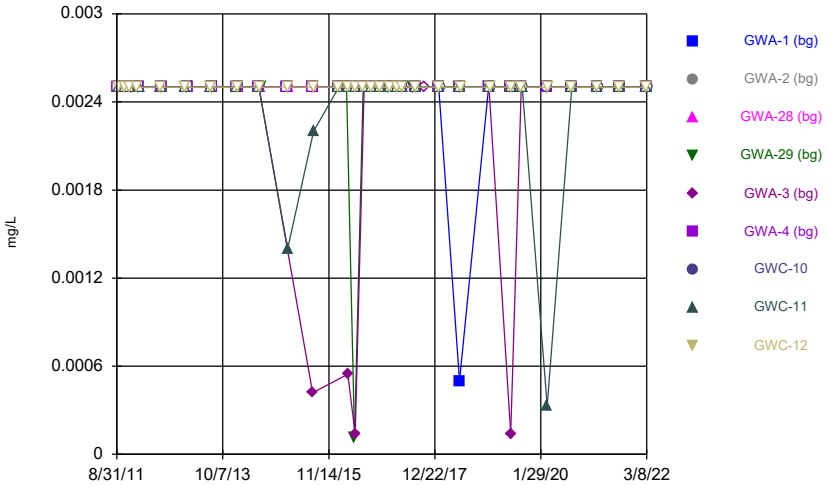
Time Series



Constituent: Boron, total Analysis Run 5/14/2022 12:04 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

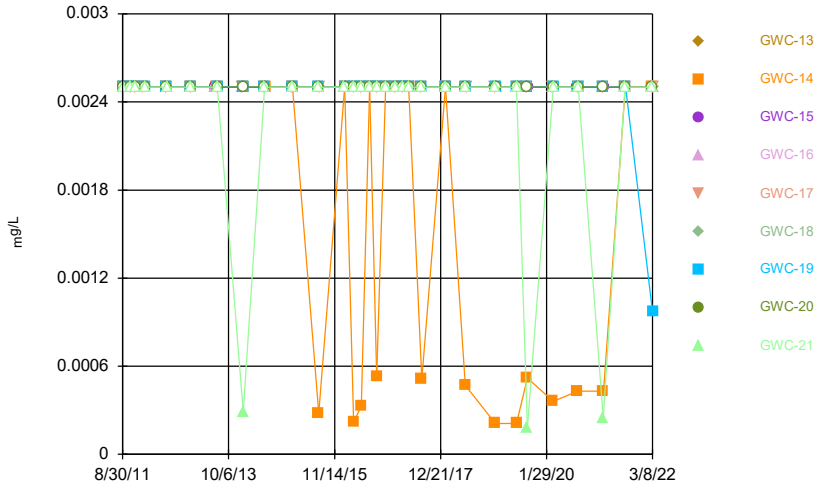
Time Series



Constituent: Cadmium Analysis Run 5/14/2022 12:04 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

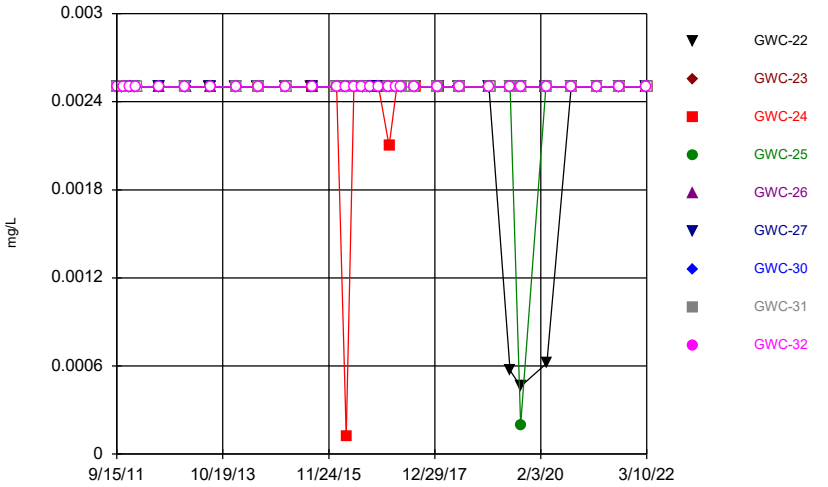
Time Series



Constituent: Cadmium Analysis Run 5/14/2022 12:04 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

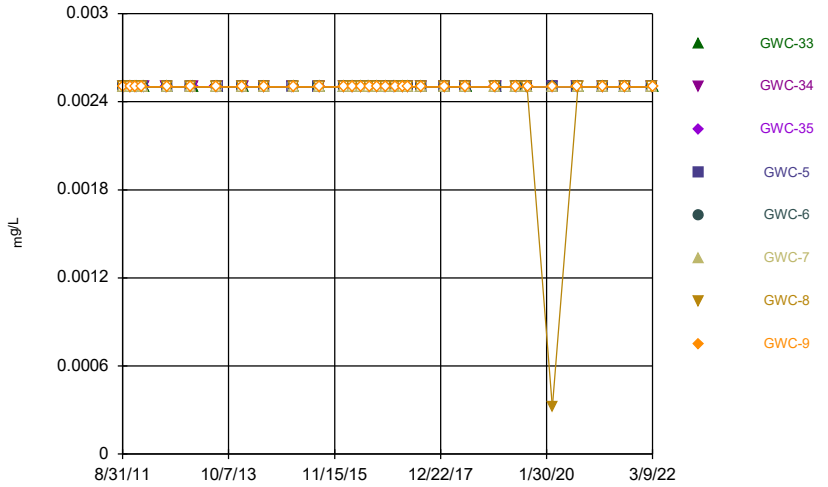
Time Series



Constituent: Cadmium Analysis Run 5/14/2022 12:04 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

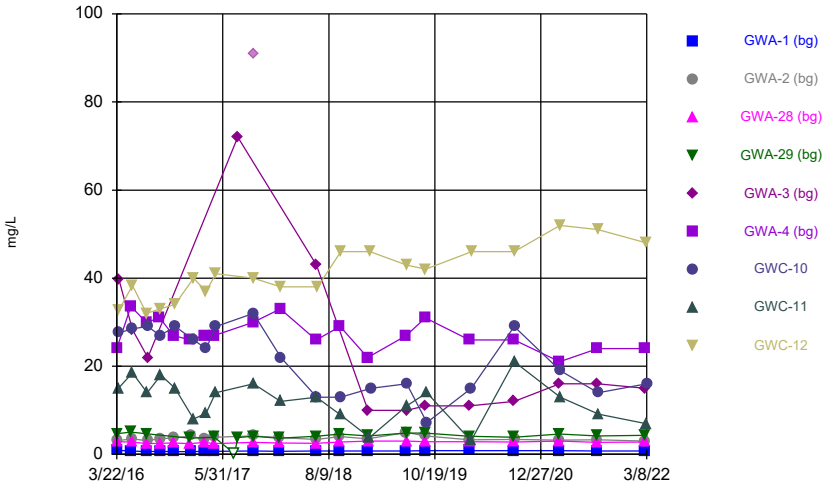
Time Series



Constituent: Cadmium Analysis Run 5/14/2022 12:04 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

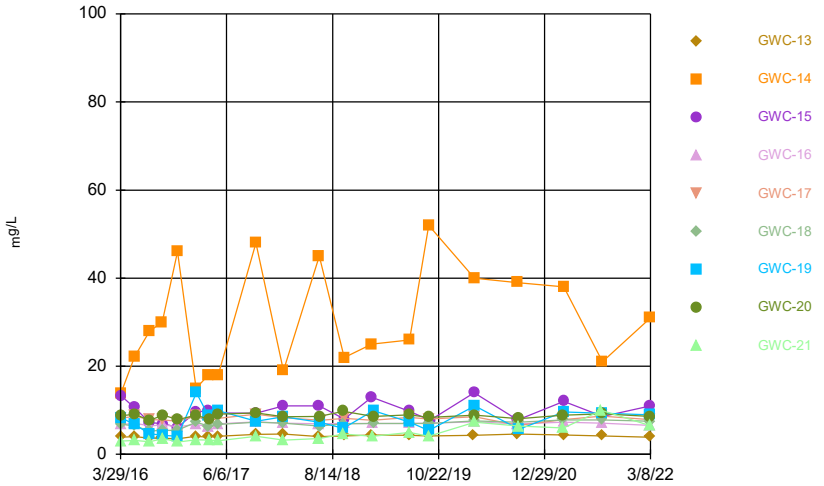
Time Series



Constituent: Calcium, total Analysis Run 5/14/2022 12:04 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

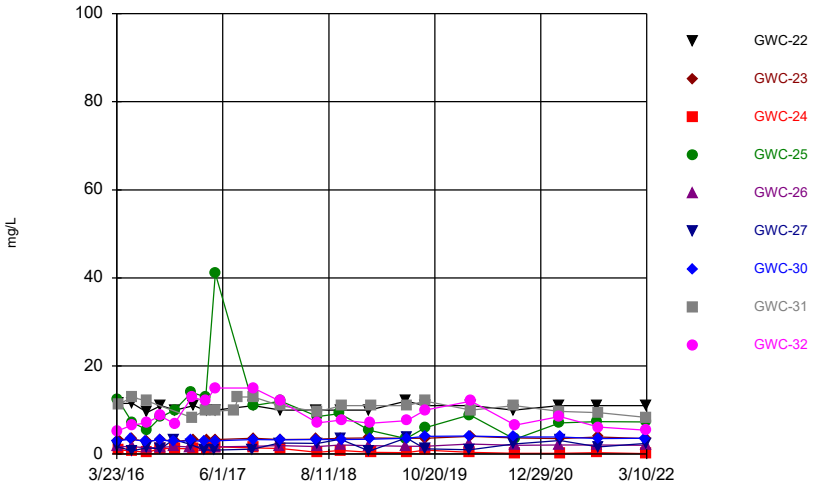
Time Series



Constituent: Calcium, total Analysis Run 5/14/2022 12:04 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

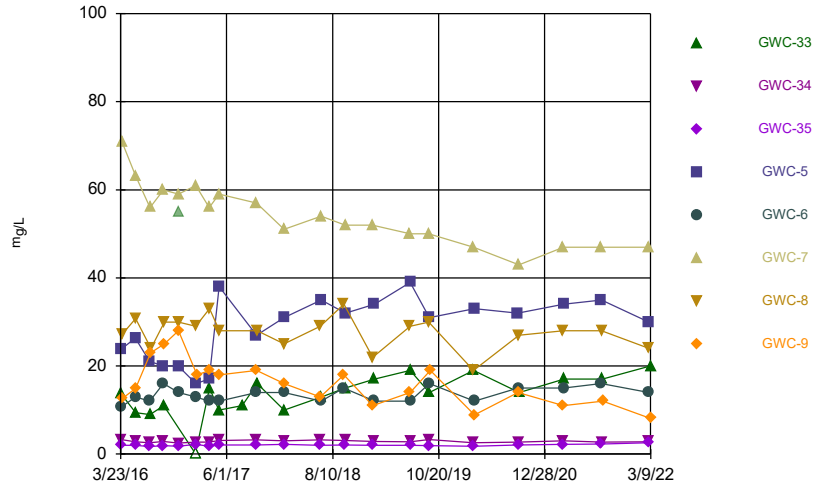
Time Series



Constituent: Calcium, total Analysis Run 5/14/2022 12:04 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

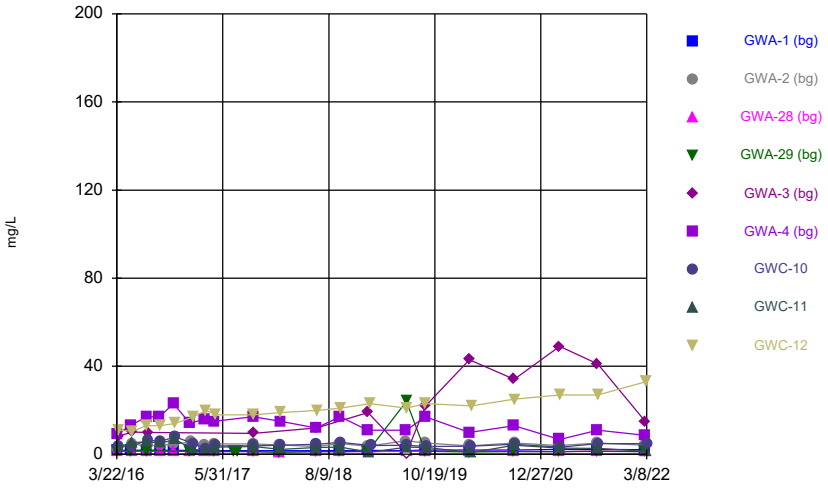
Time Series



Constituent: Calcium, total Analysis Run 5/14/2022 12:04 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

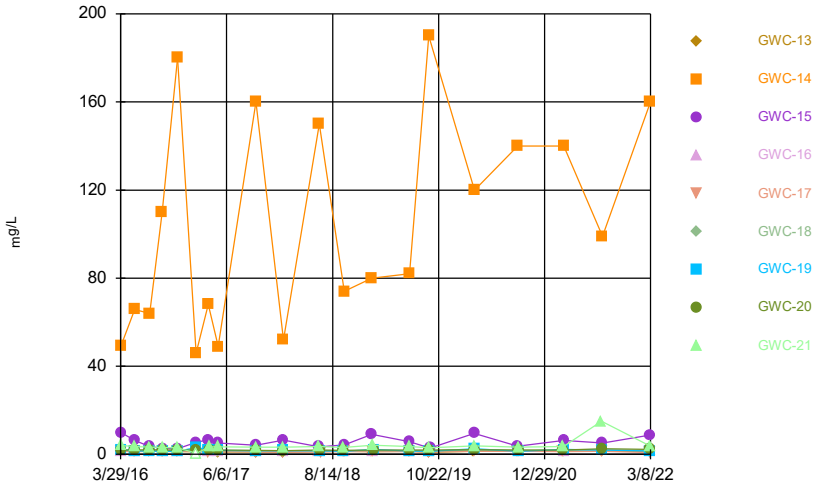
Time Series



Constituent: Chloride, Total Analysis Run 5/14/2022 12:04 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

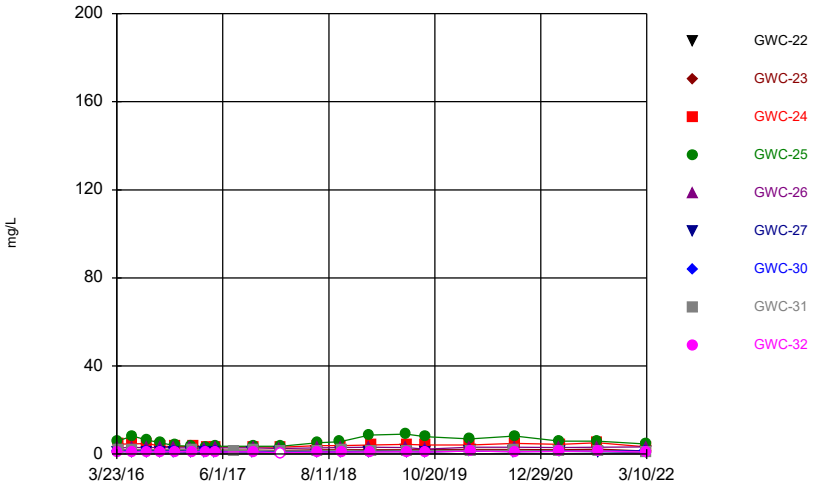
Time Series



Constituent: Chloride, Total Analysis Run 5/14/2022 12:04 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

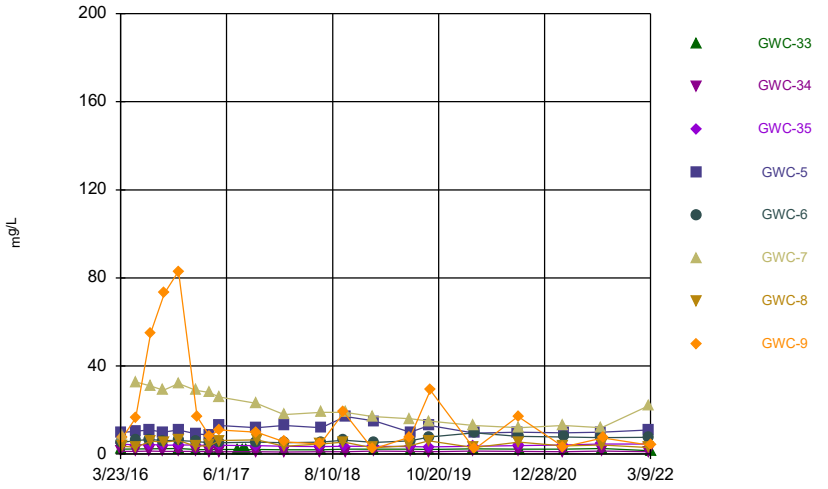
Time Series



Constituent: Chloride, Total Analysis Run 5/14/2022 12:04 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

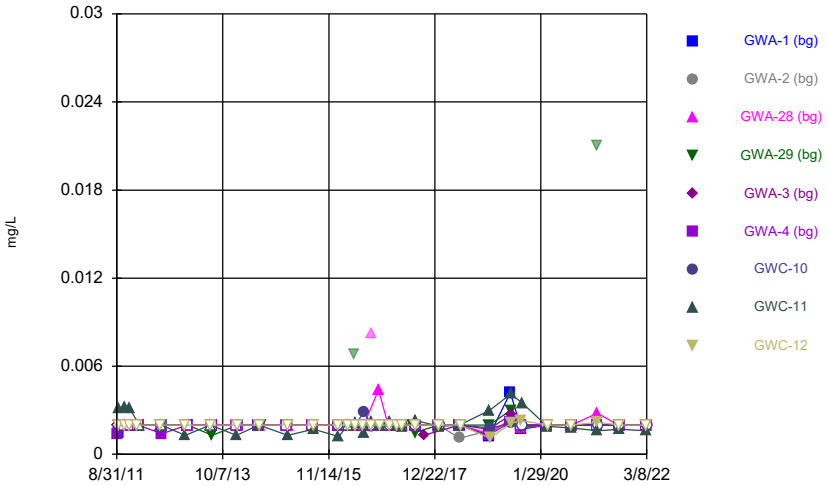
Time Series



Constituent: Chloride, Total Analysis Run 5/14/2022 12:04 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

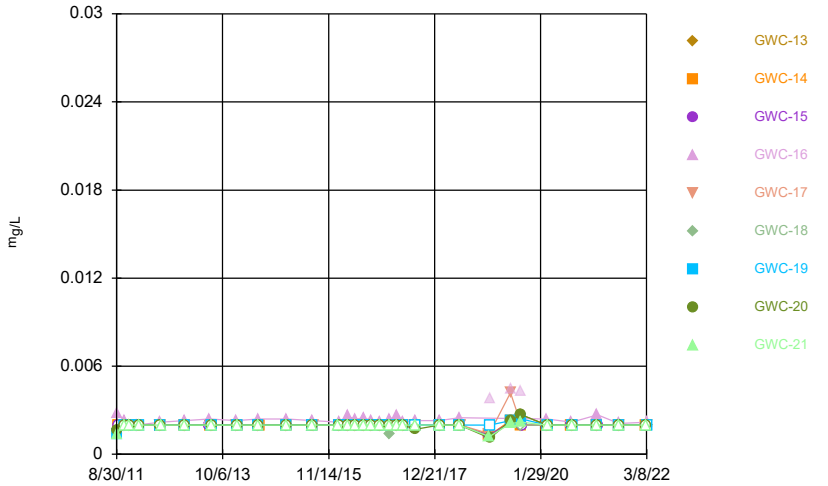
Time Series



Constituent: Chromium Analysis Run 5/14/2022 12:04 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

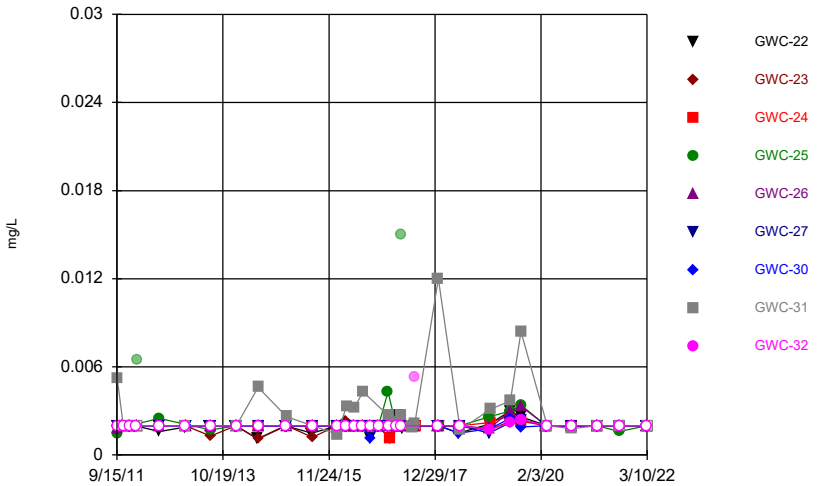
Time Series



Constituent: Chromium Analysis Run 5/14/2022 12:04 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

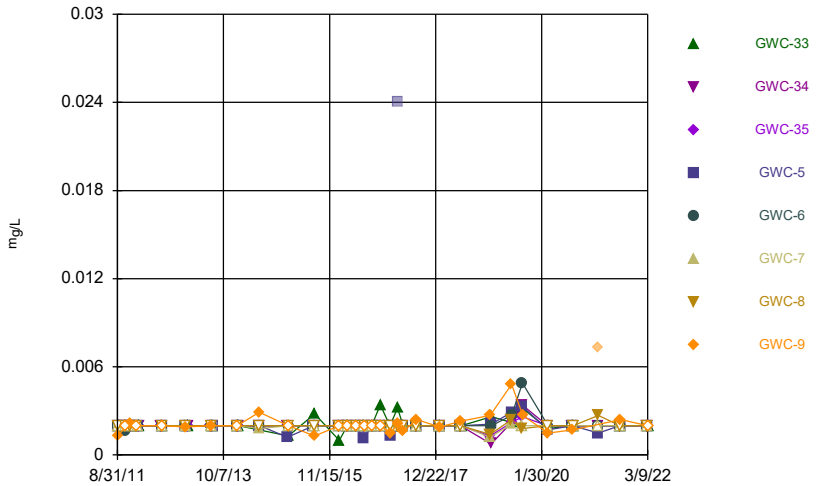
Time Series



Constituent: Chromium Analysis Run 5/14/2022 12:04 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

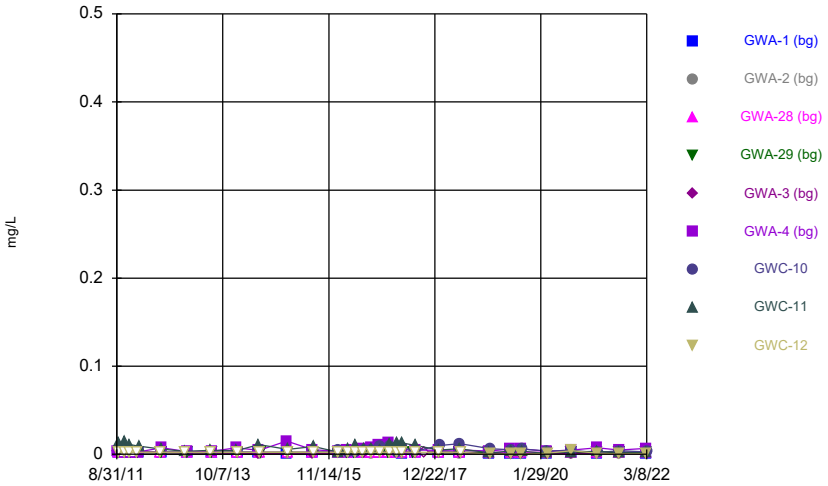
Time Series



Constituent: Chromium Analysis Run 5/14/2022 12:04 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

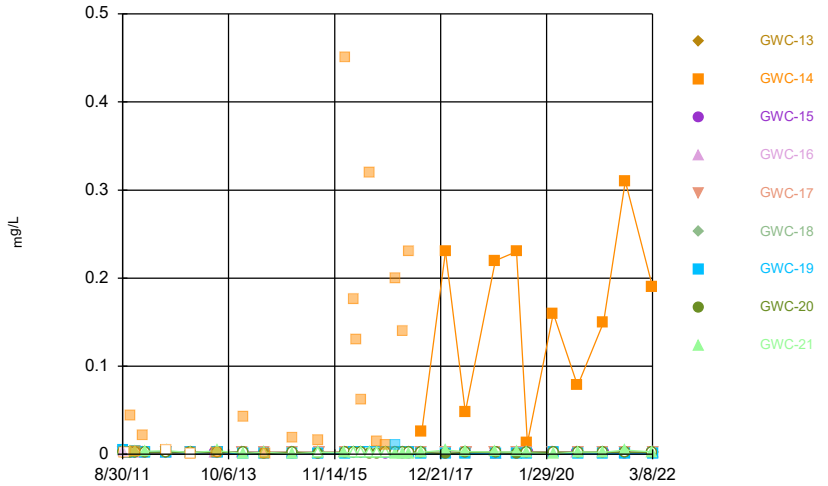
Time Series



Constituent: Cobalt Analysis Run 5/14/2022 12:04 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

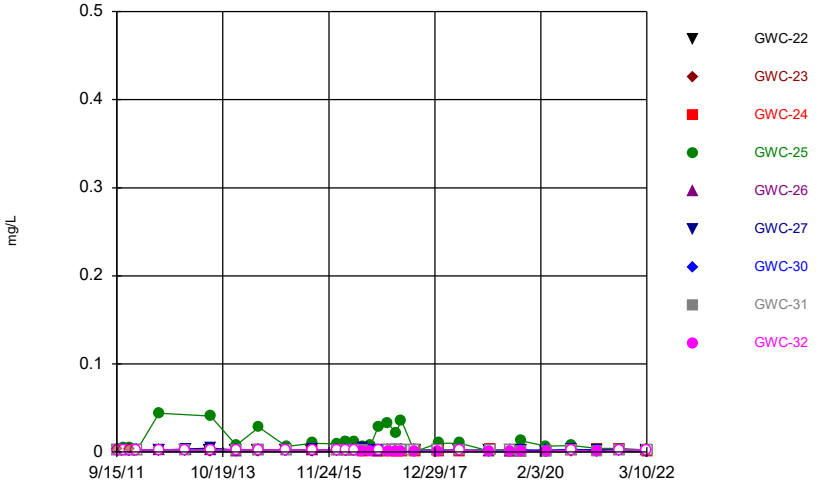
Time Series



Constituent: Cobalt Analysis Run 5/14/2022 12:04 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

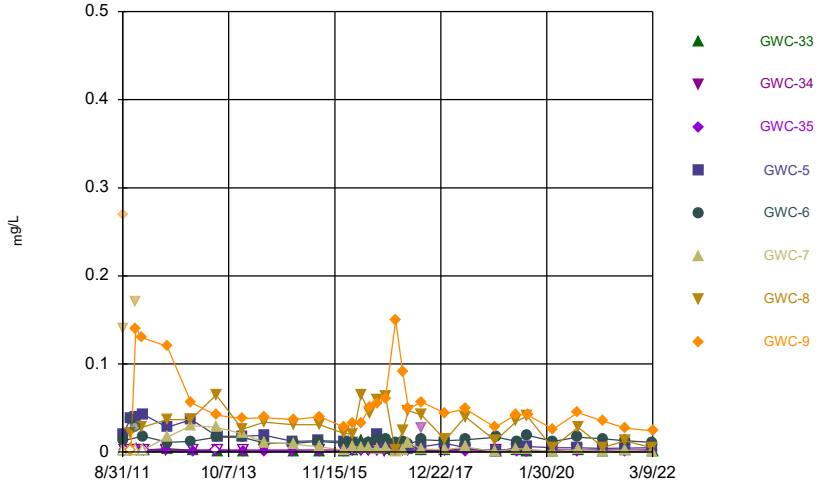
Time Series



Constituent: Cobalt Analysis Run 5/14/2022 12:04 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

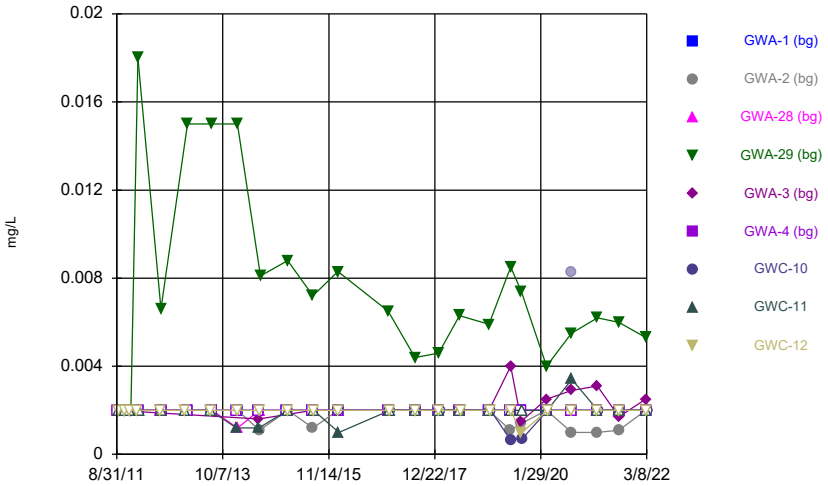
Time Series



Constituent: Cobalt Analysis Run 5/14/2022 12:04 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

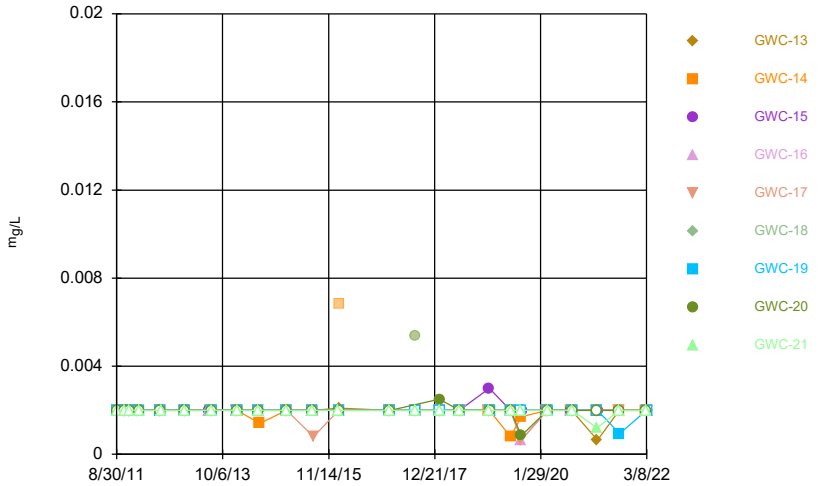
Time Series



Constituent: Copper Analysis Run 5/14/2022 12:04 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

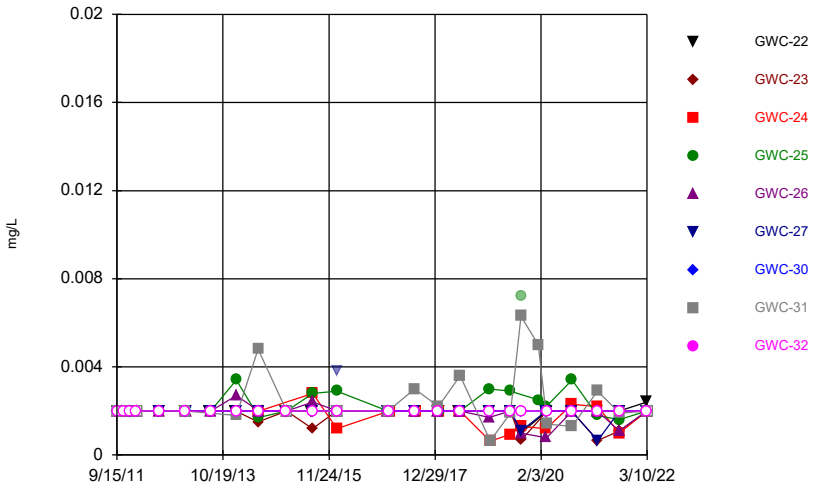
Time Series



Constituent: Copper Analysis Run 5/14/2022 12:04 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

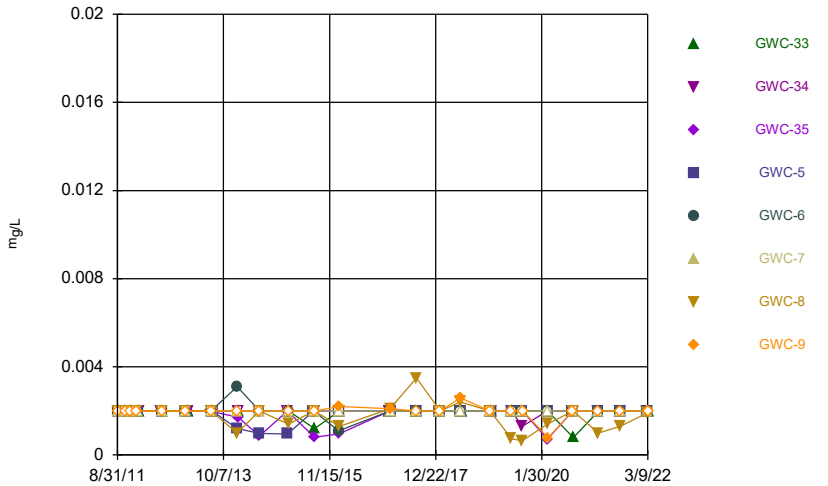
Time Series



Constituent: Copper Analysis Run 5/14/2022 12:04 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

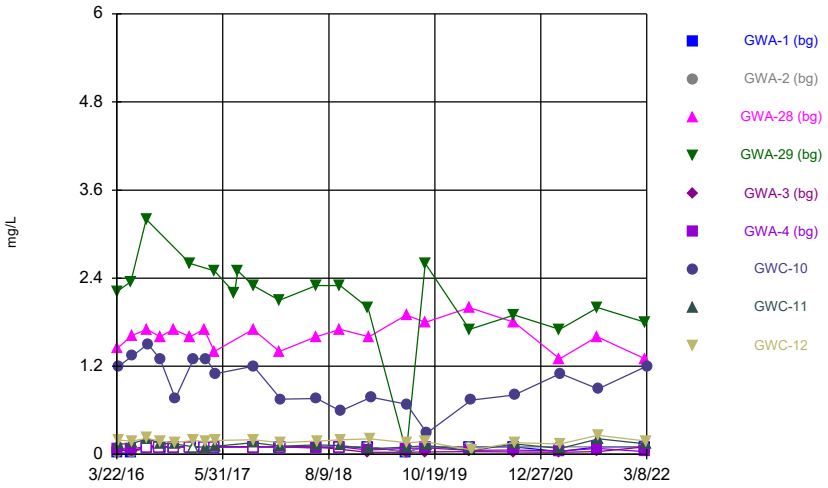
Time Series



Constituent: Copper Analysis Run 5/14/2022 12:04 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

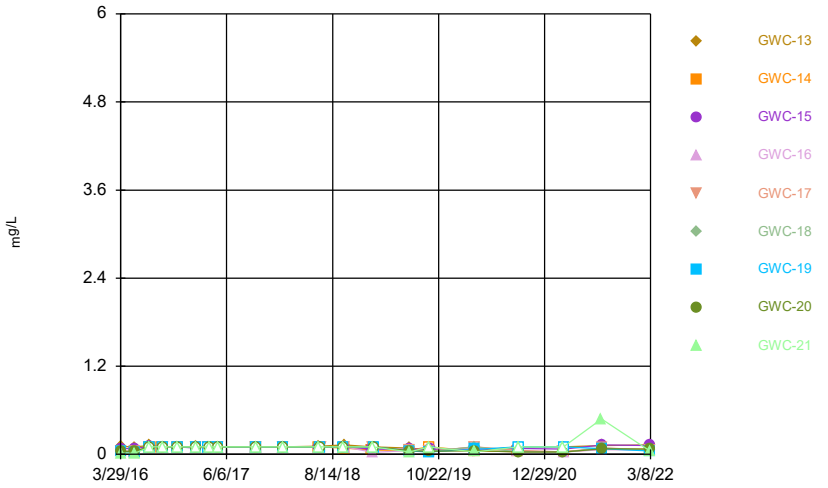
Time Series



Constituent: Fluoride, total Analysis Run 5/14/2022 12:04 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

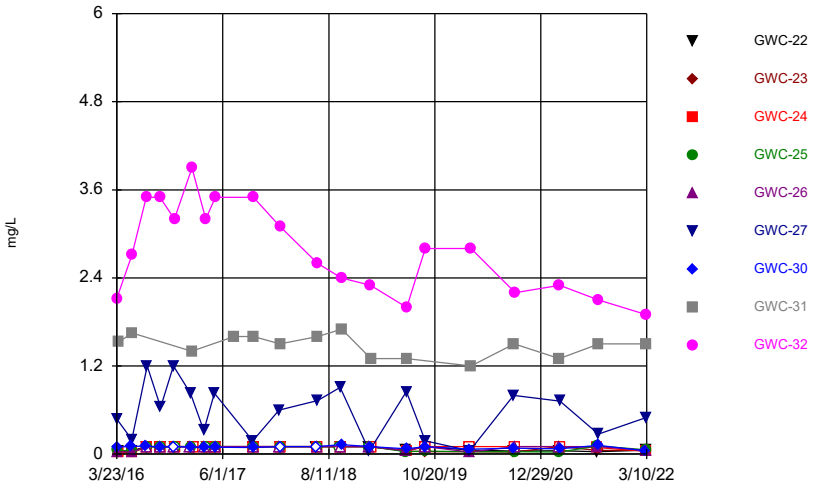
Time Series



Constituent: Fluoride, total Analysis Run 5/14/2022 12:04 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

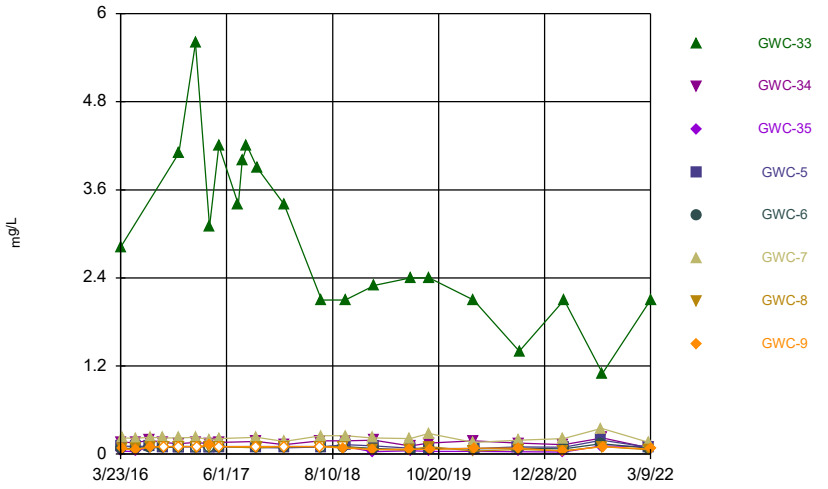
Time Series



Constituent: Fluoride, total Analysis Run 5/14/2022 12:04 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

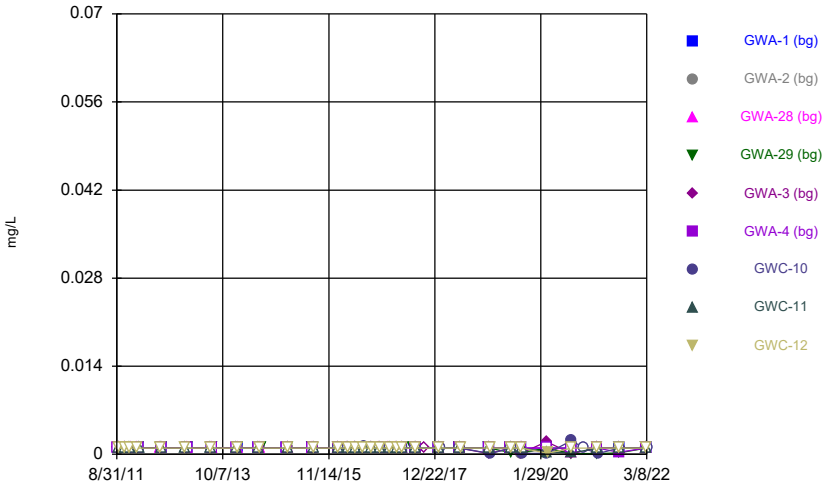
Time Series



Constituent: Fluoride, total Analysis Run 5/14/2022 12:04 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

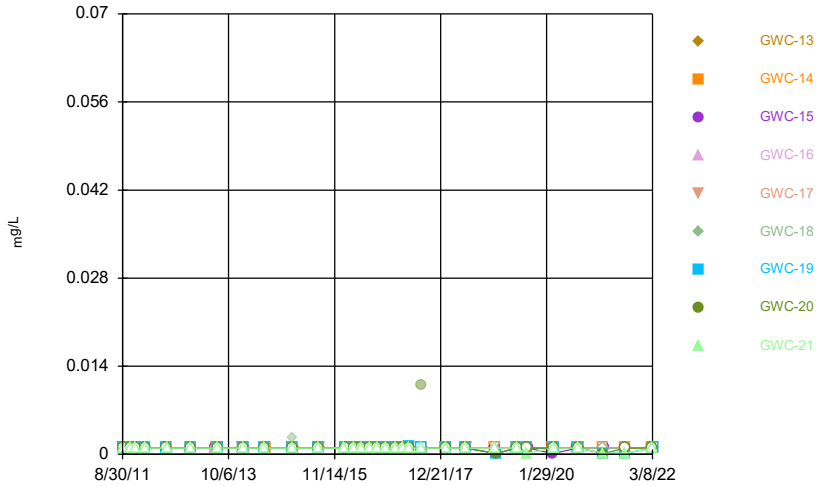
Time Series



Constituent: Lead Analysis Run 5/14/2022 12:05 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

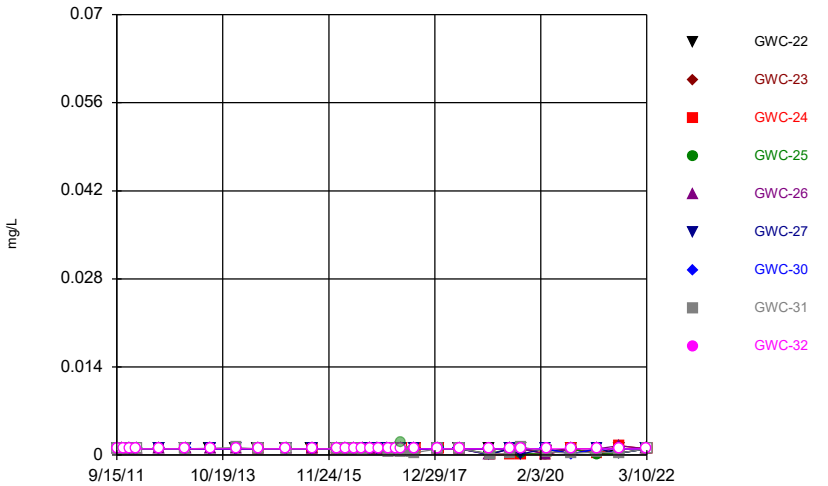
Time Series



Constituent: Lead Analysis Run 5/14/2022 12:05 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

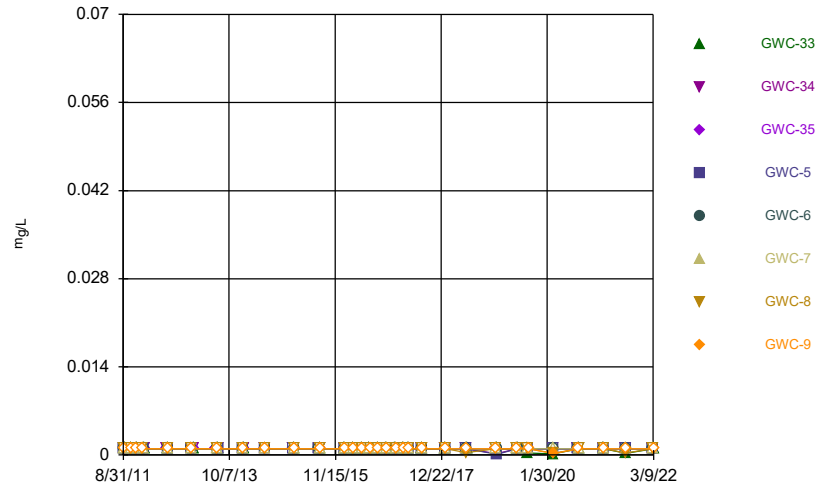
Time Series



Constituent: Lead Analysis Run 5/14/2022 12:05 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

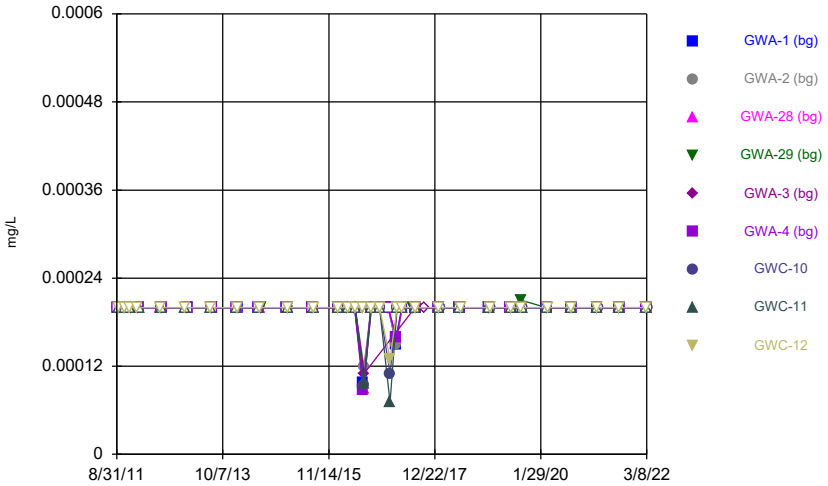
Time Series



Constituent: Lead Analysis Run 5/14/2022 12:05 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

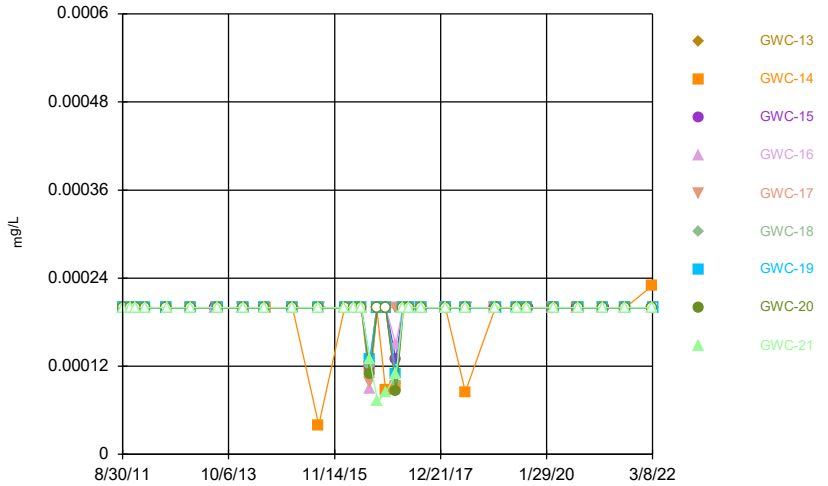
Time Series



Constituent: Mercury Analysis Run 5/14/2022 12:05 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

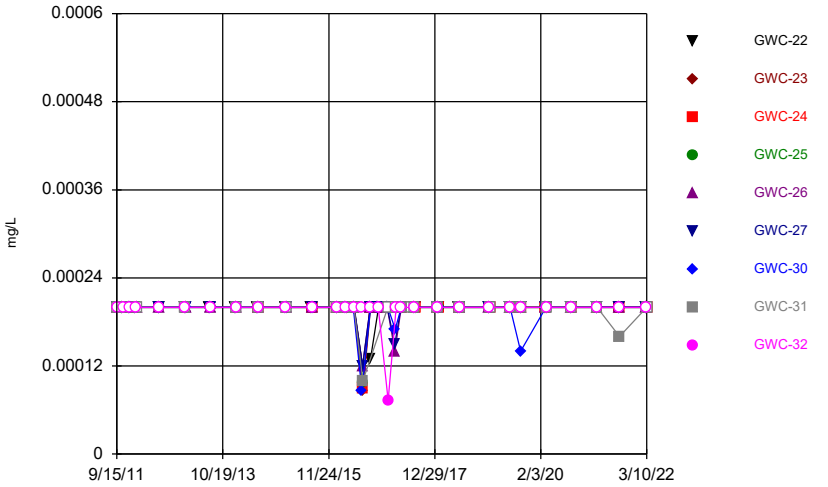
Time Series



Constituent: Mercury Analysis Run 5/14/2022 12:05 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

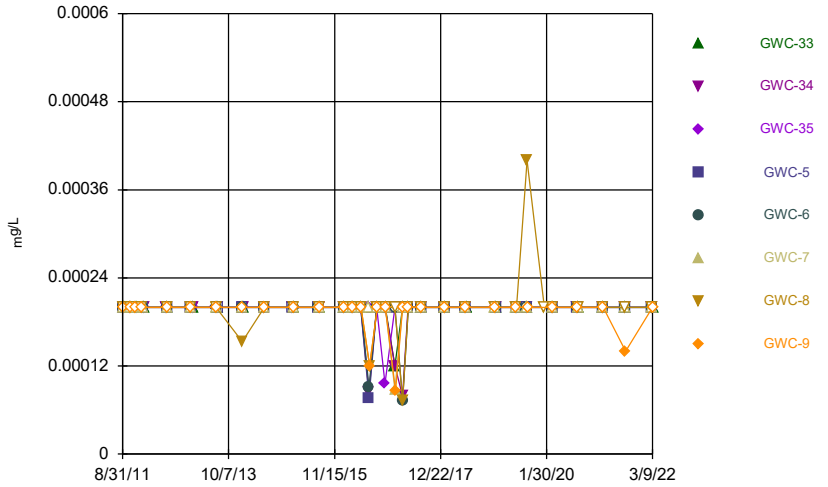
Time Series



Constituent: Mercury Analysis Run 5/14/2022 12:05 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

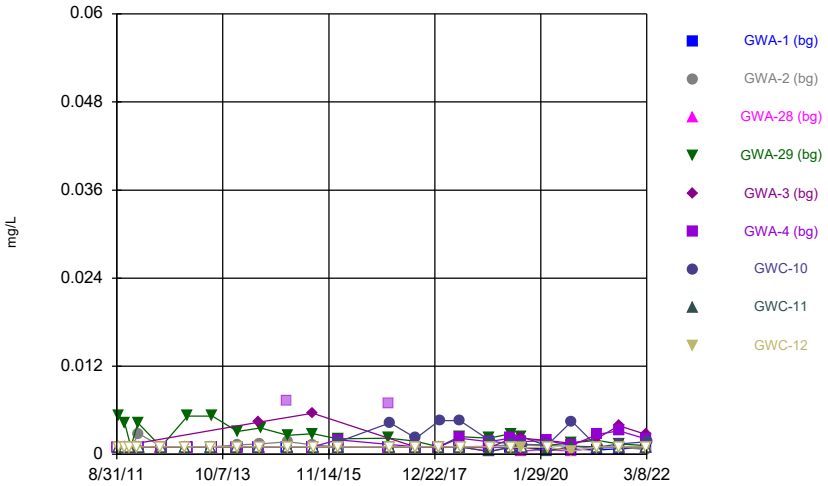
Time Series



Constituent: Mercury Analysis Run 5/14/2022 12:05 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

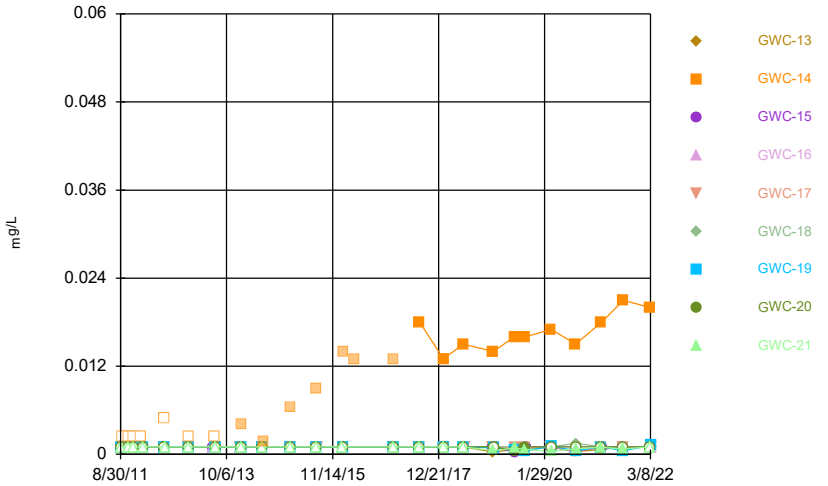
Time Series



Constituent: Nickel Analysis Run 5/14/2022 12:05 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

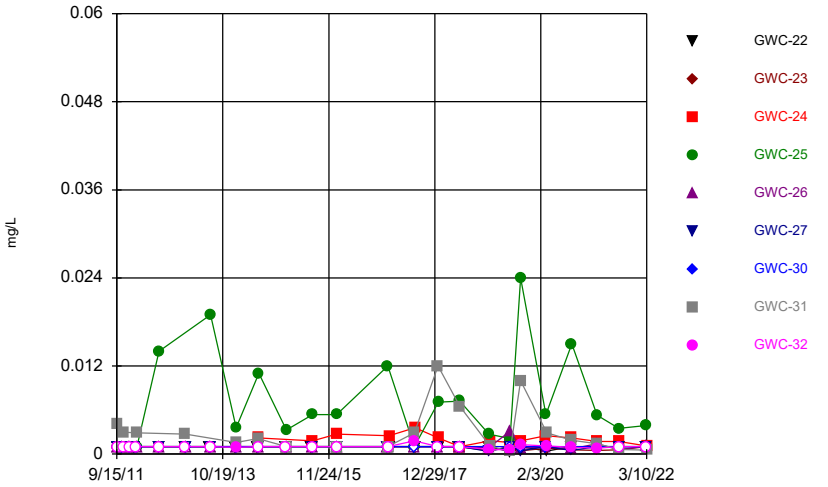
Time Series



Constituent: Nickel Analysis Run 5/14/2022 12:05 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

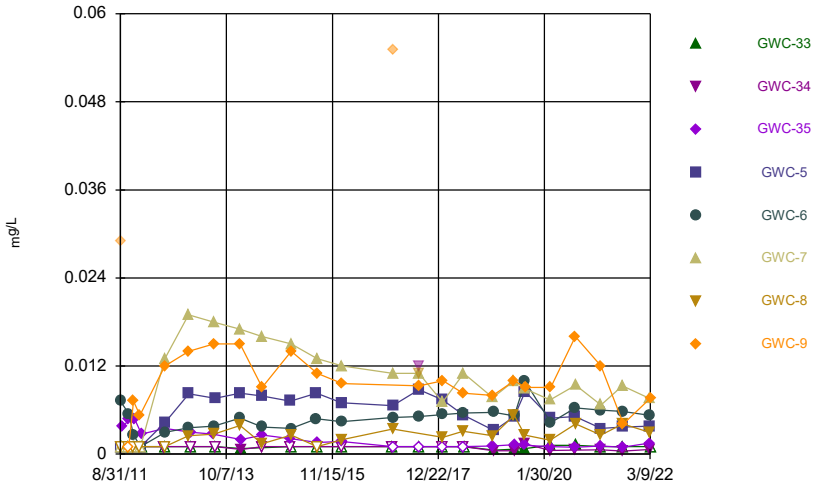
Time Series



Constituent: Nickel Analysis Run 5/14/2022 12:05 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

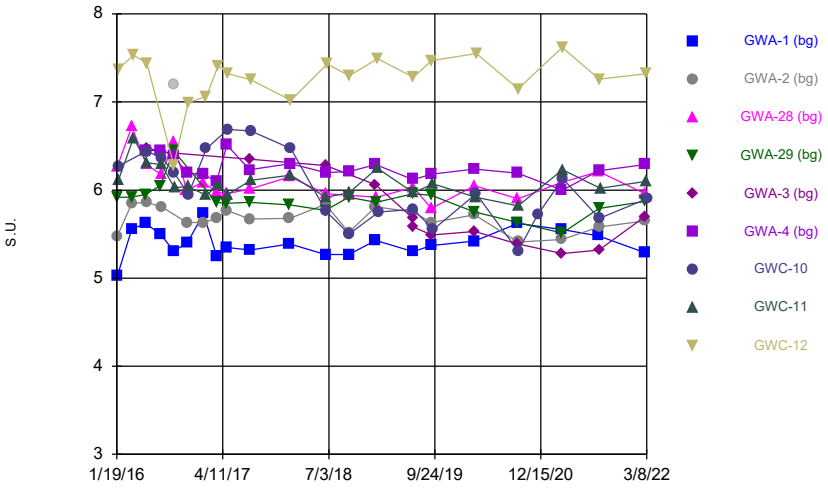
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Nickel Analysis Run 5/14/2022 12:05 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

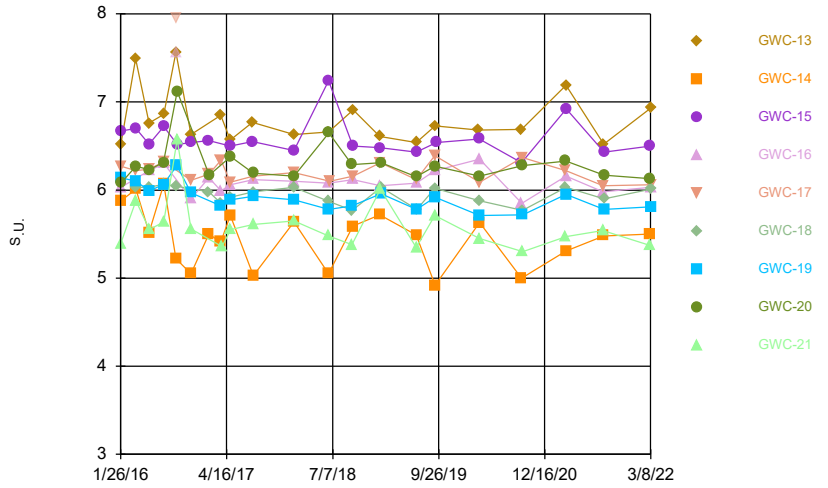
Time Series



Constituent: pH, Field Analysis Run 5/14/2022 12:05 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

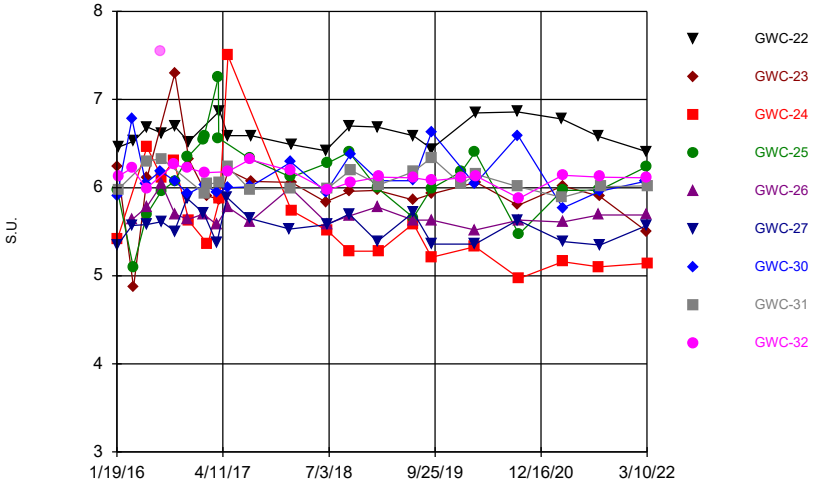
Time Series



Constituent: pH, Field Analysis Run 5/14/2022 12:05 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

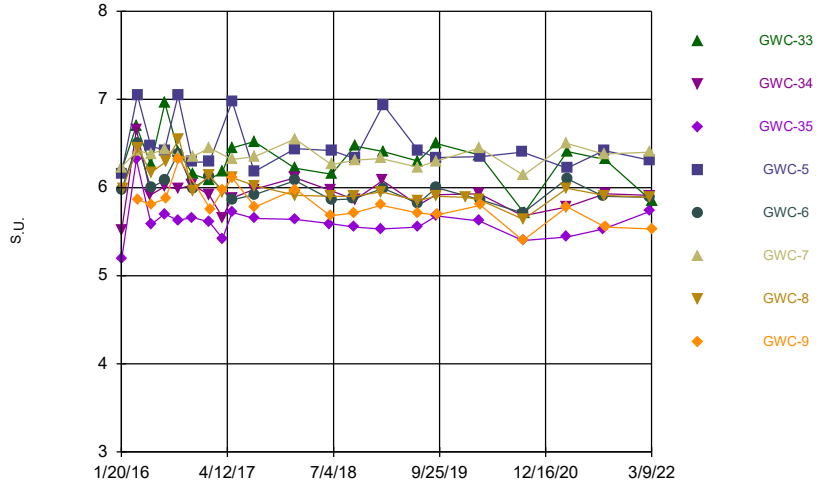
Time Series



Constituent: pH, Field Analysis Run 5/14/2022 12:05 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

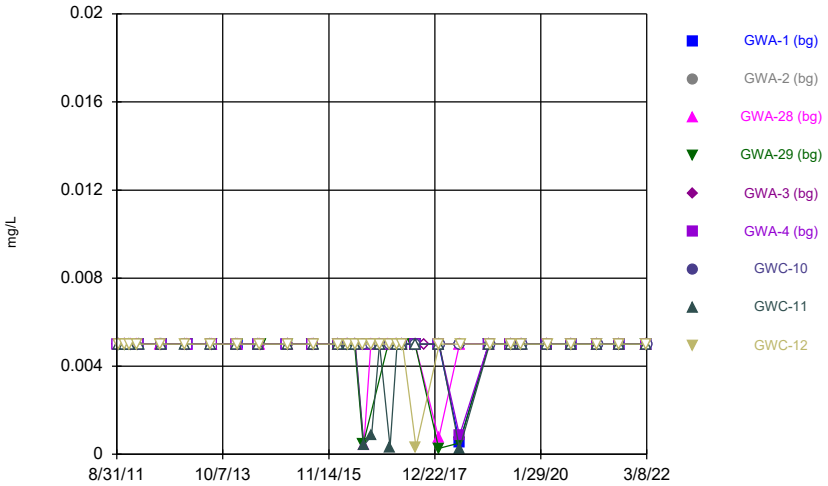
Time Series



Constituent: pH, Field Analysis Run 5/14/2022 12:05 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

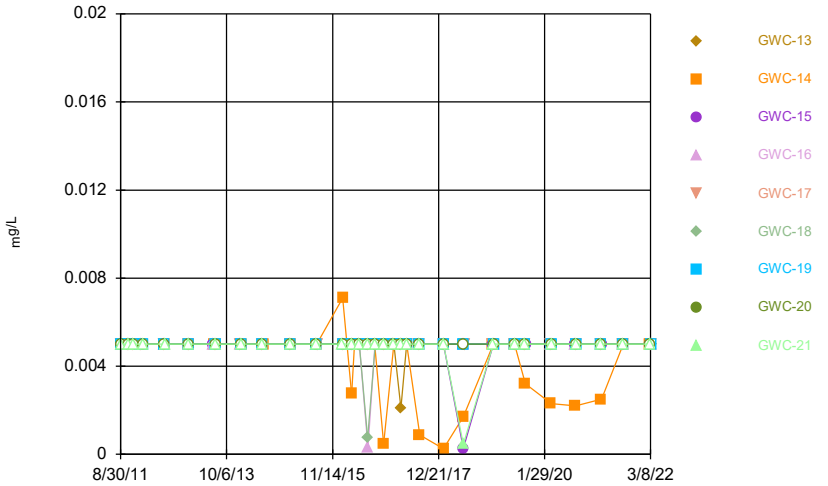
Time Series



Constituent: Selenium Analysis Run 5/14/2022 12:05 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

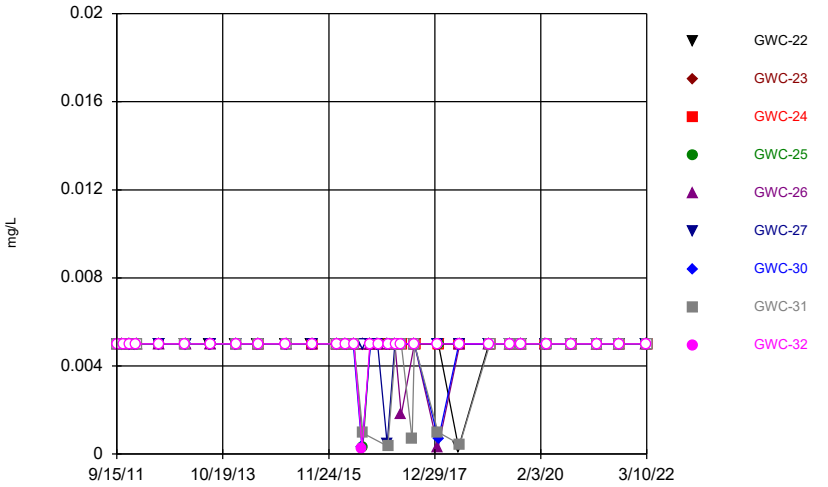
Time Series



Constituent: Selenium Analysis Run 5/14/2022 12:05 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

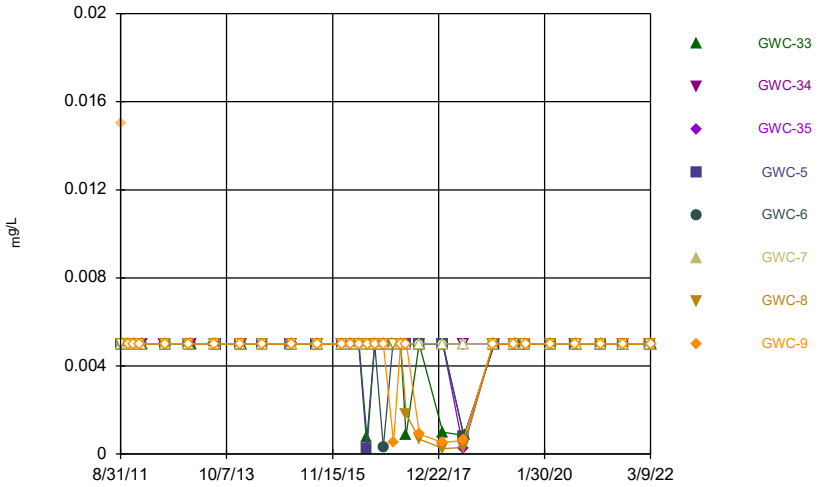
Time Series



Constituent: Selenium Analysis Run 5/14/2022 12:05 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

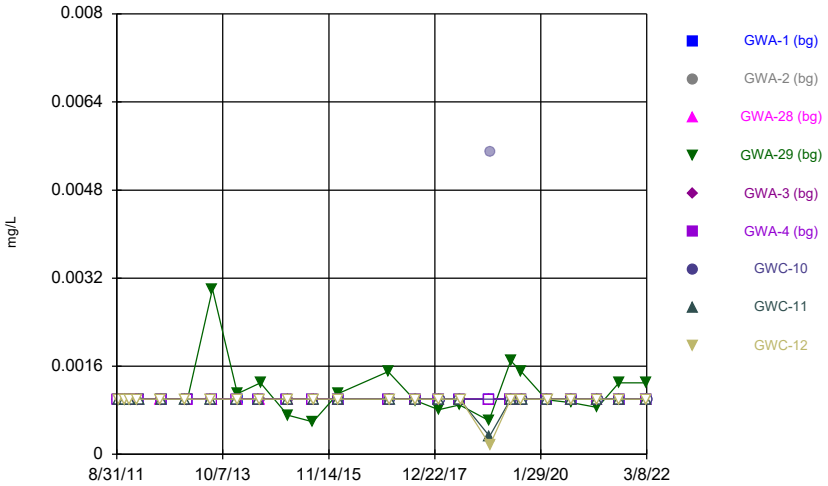
Time Series



Constituent: Selenium Analysis Run 5/14/2022 12:05 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

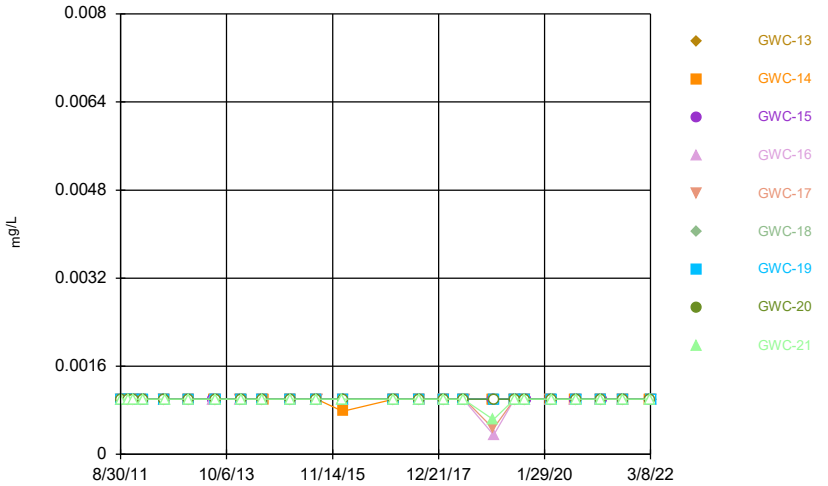
Time Series



Constituent: Silver Analysis Run 5/14/2022 12:05 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

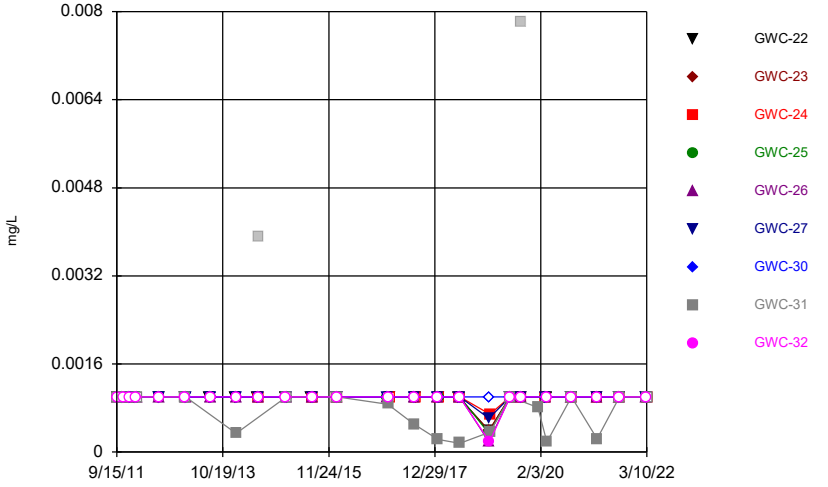
Time Series



Constituent: Silver Analysis Run 5/14/2022 12:05 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

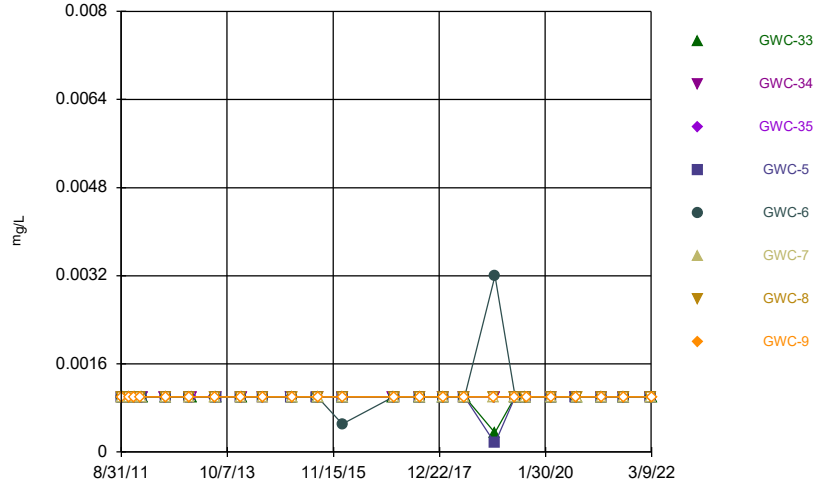
Time Series



Constituent: Silver Analysis Run 5/14/2022 12:05 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

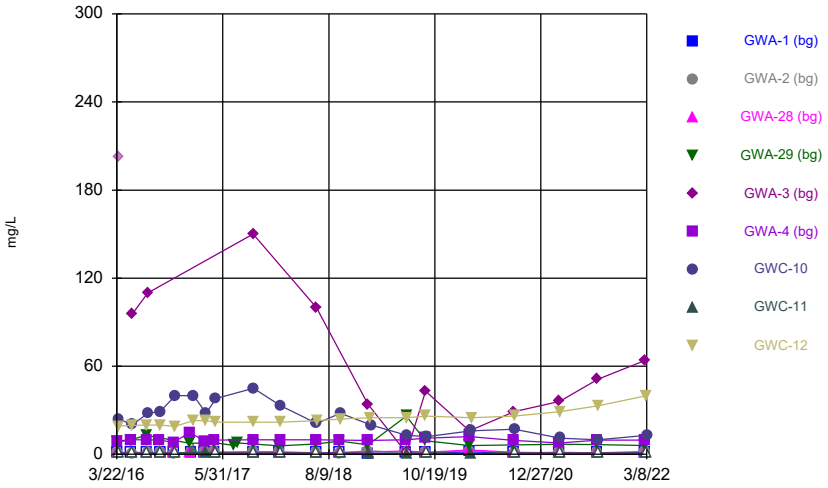
Time Series



Constituent: Silver Analysis Run 5/14/2022 12:05 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

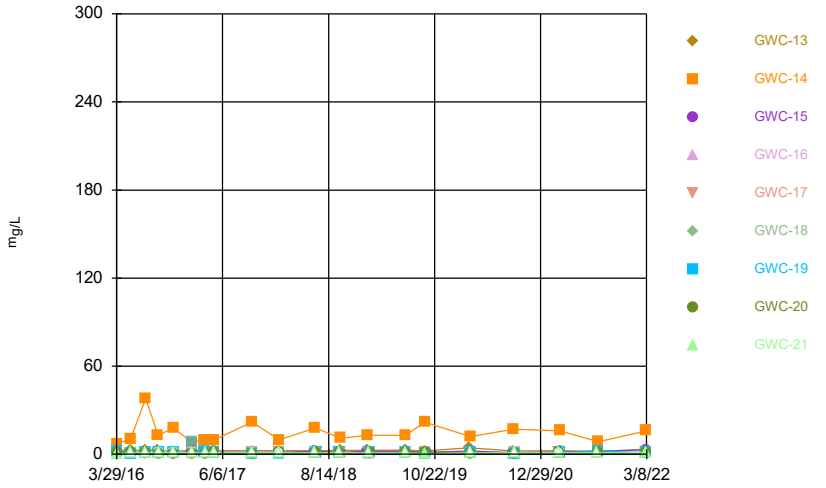
Time Series



Constituent: Sulfate as SO4 Analysis Run 5/14/2022 12:05 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

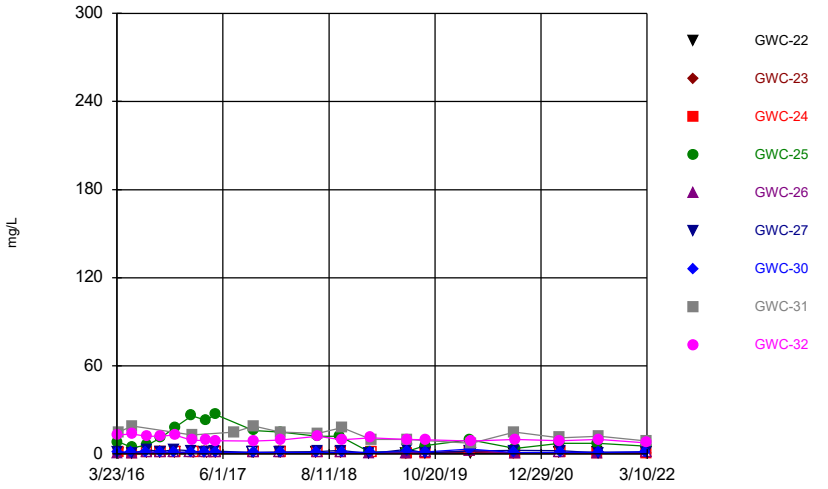
Time Series



Constituent: Sulfate as SO4 Analysis Run 5/14/2022 12:05 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

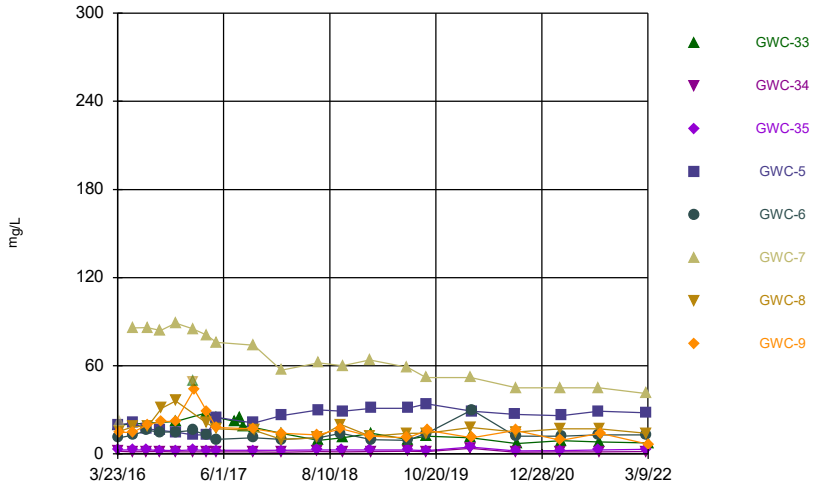
Time Series



Constituent: Sulfate as SO4 Analysis Run 5/14/2022 12:05 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

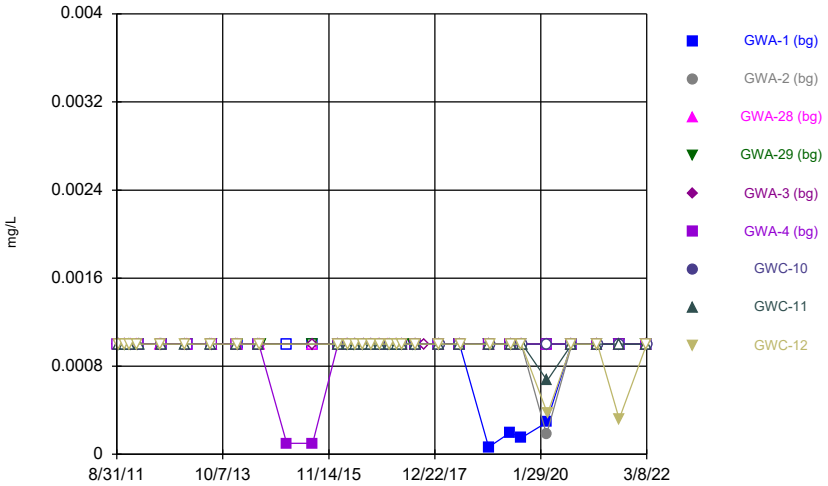
Time Series



Constituent: Sulfate as SO4 Analysis Run 5/14/2022 12:05 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

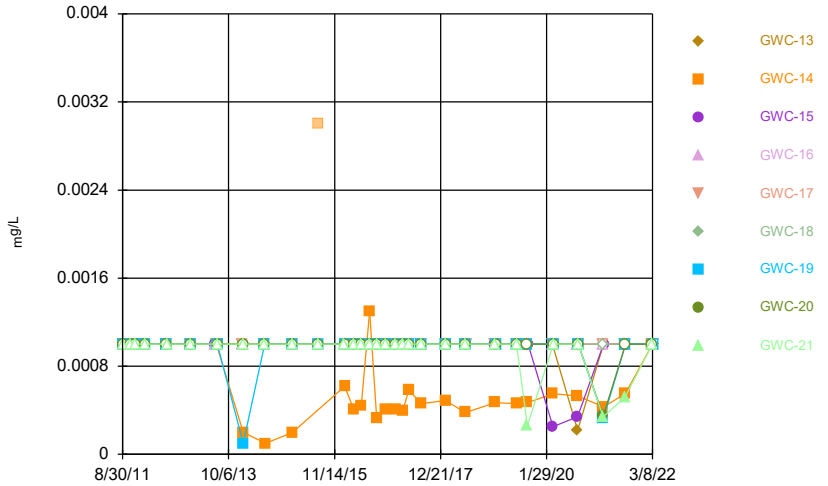
Time Series



Constituent: Thallium Analysis Run 5/14/2022 12:05 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

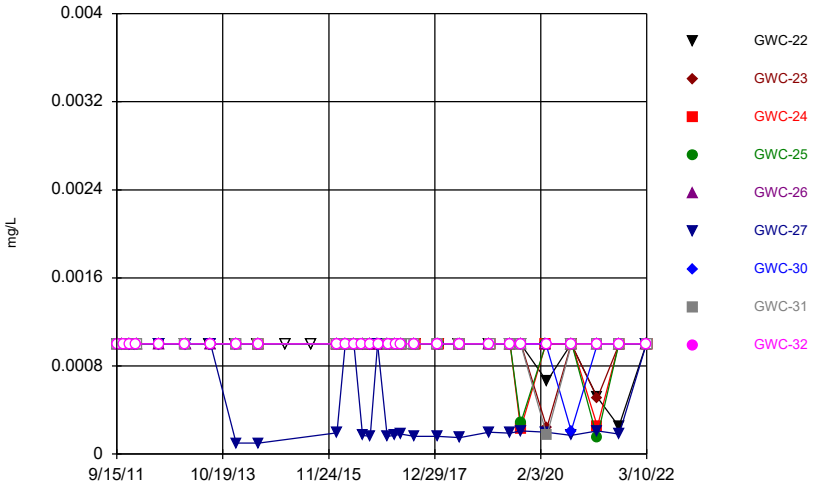
Time Series



Constituent: Thallium Analysis Run 5/14/2022 12:05 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

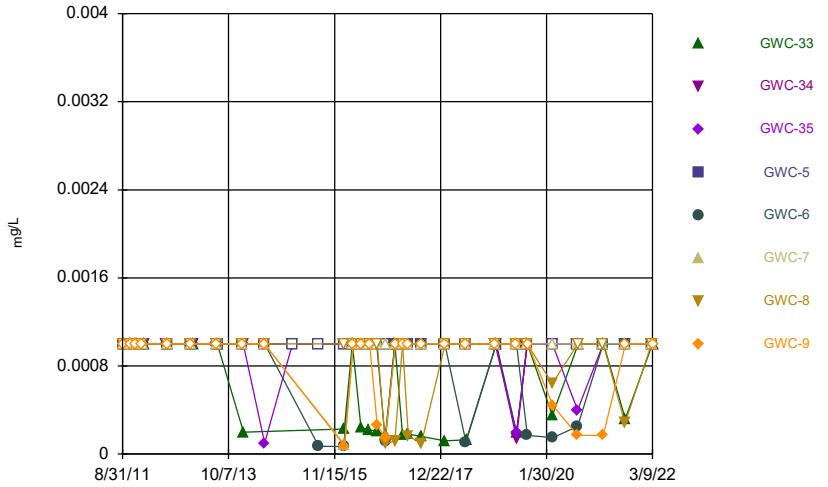
Time Series



Constituent: Thallium Analysis Run 5/14/2022 12:05 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

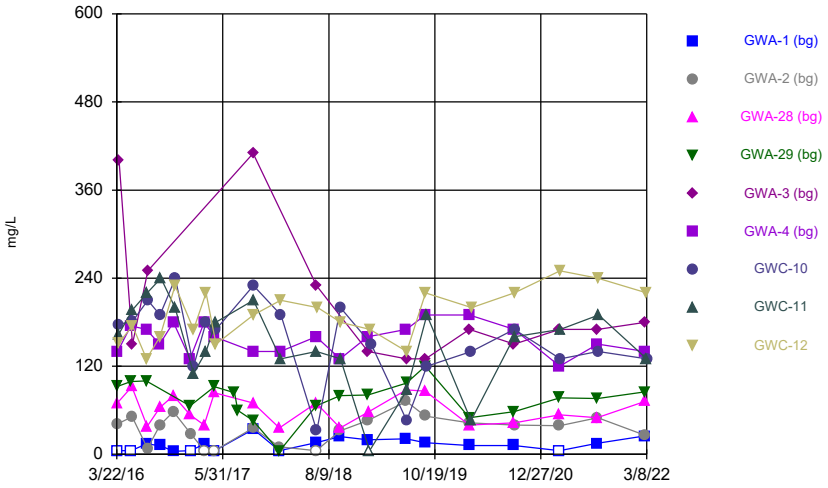
Time Series



Constituent: Thallium Analysis Run 5/14/2022 12:05 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

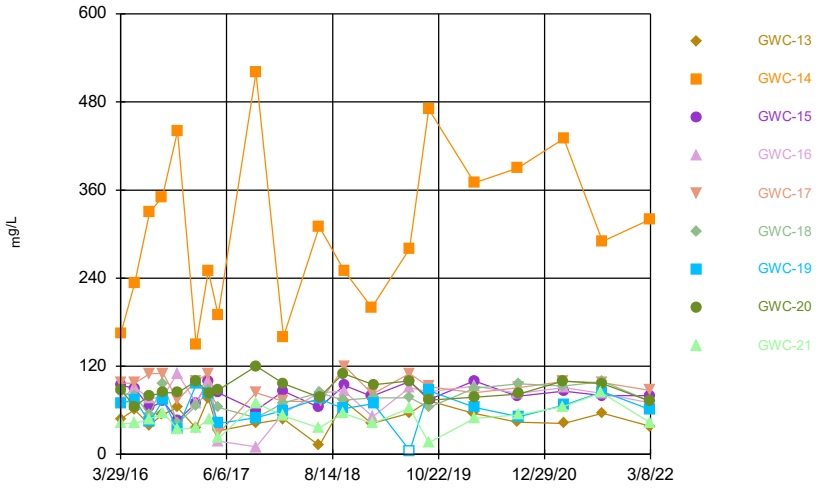
Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 5/14/2022 12:05 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

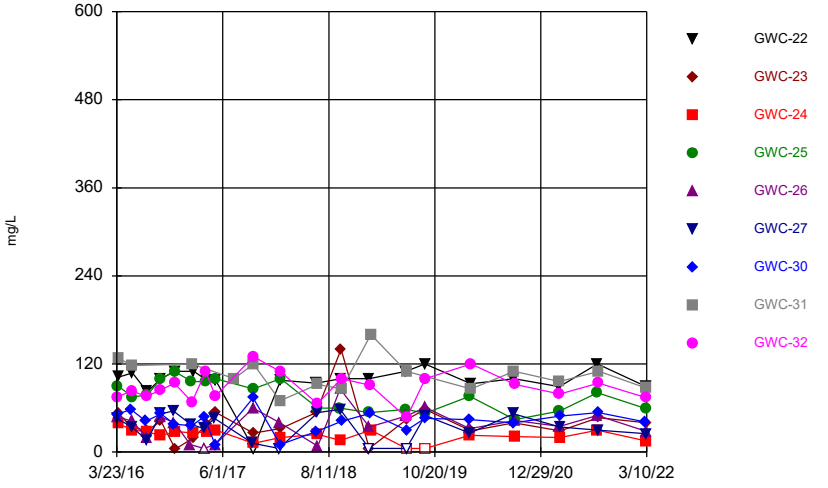
Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 5/14/2022 12:06 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

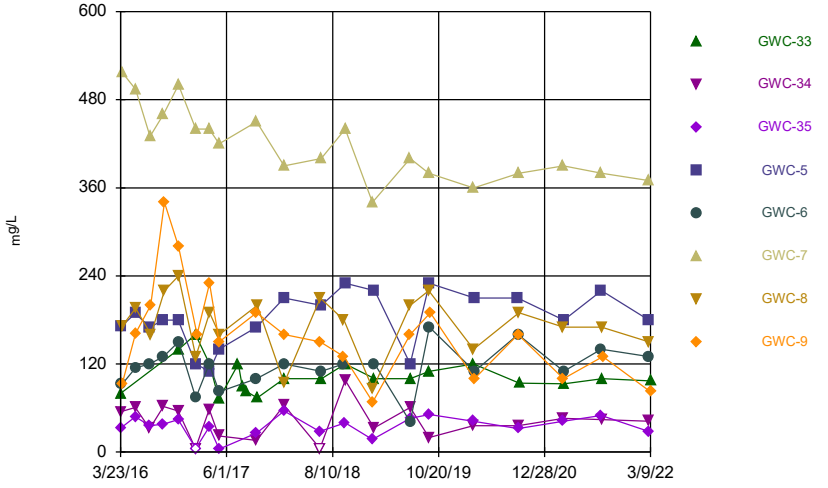
Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 5/14/2022 12:06 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

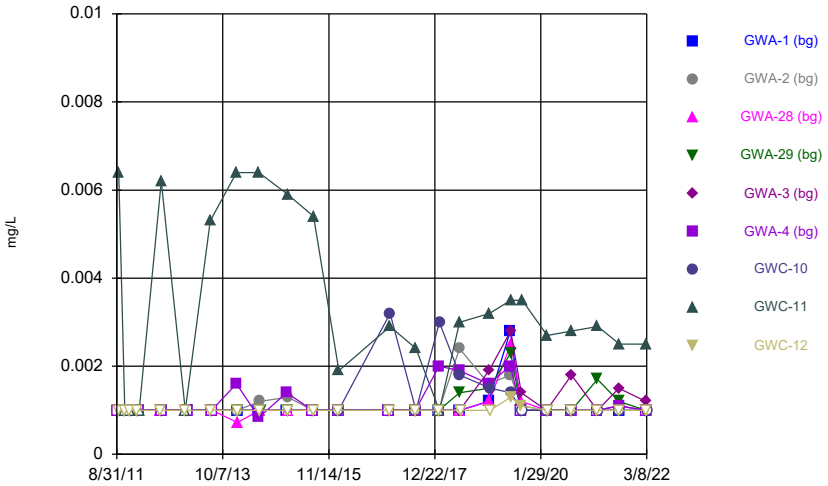
Time Series



Constituent: Total Dissolved Solids [TDS] Analysis Run 5/14/2022 12:06 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

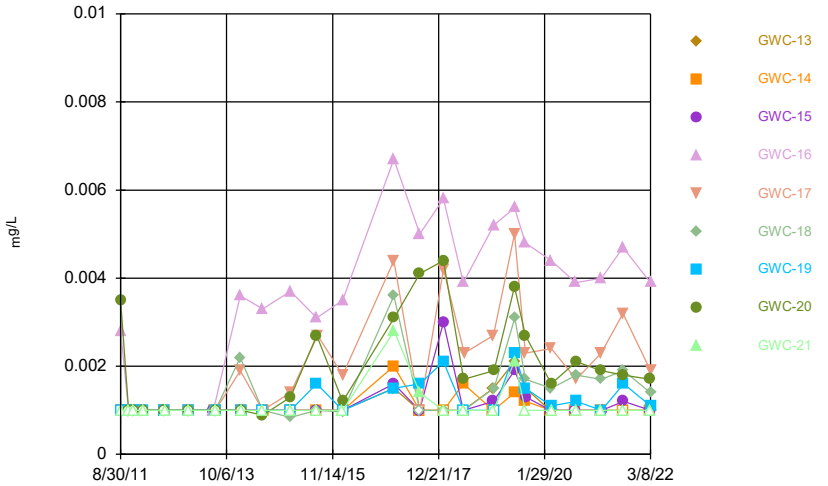
Time Series



Constituent: Vanadium Analysis Run 5/14/2022 12:06 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

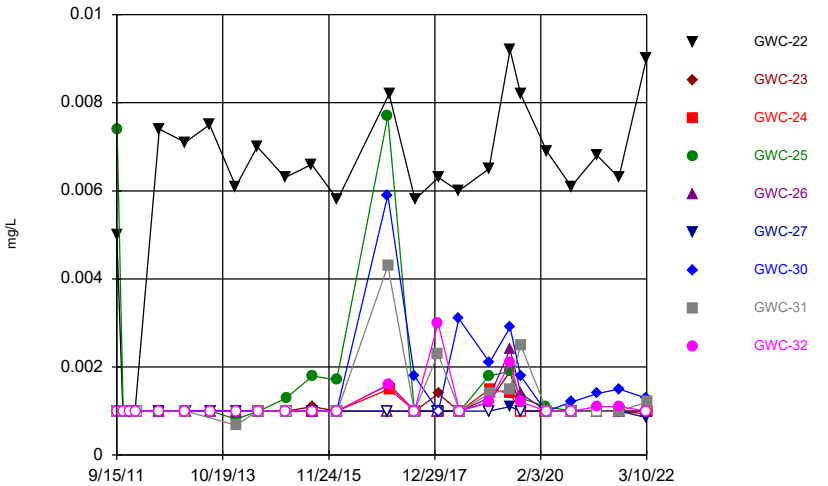
Time Series



Constituent: Vanadium Analysis Run 5/14/2022 12:06 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

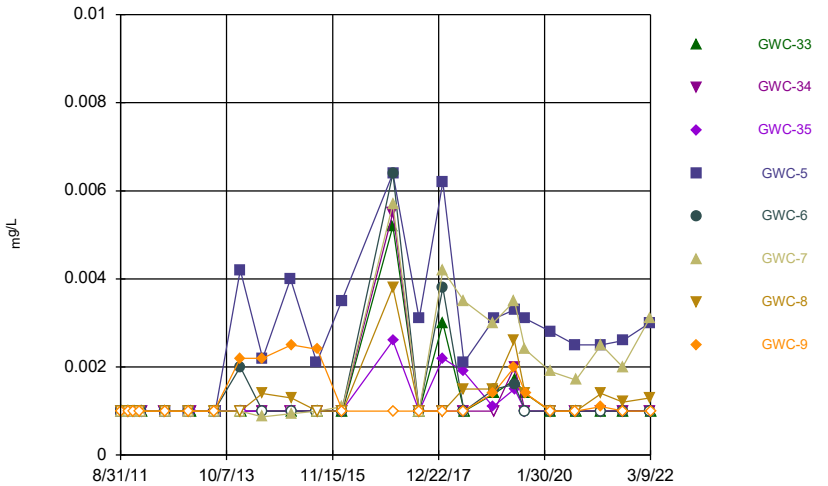
Time Series



Constituent: Vanadium Analysis Run 5/14/2022 12:06 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

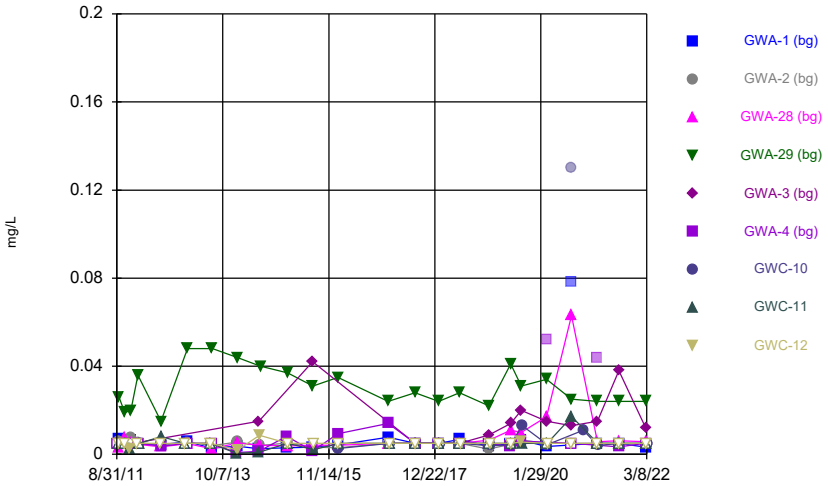
Time Series



Constituent: Vanadium Analysis Run 5/14/2022 12:06 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

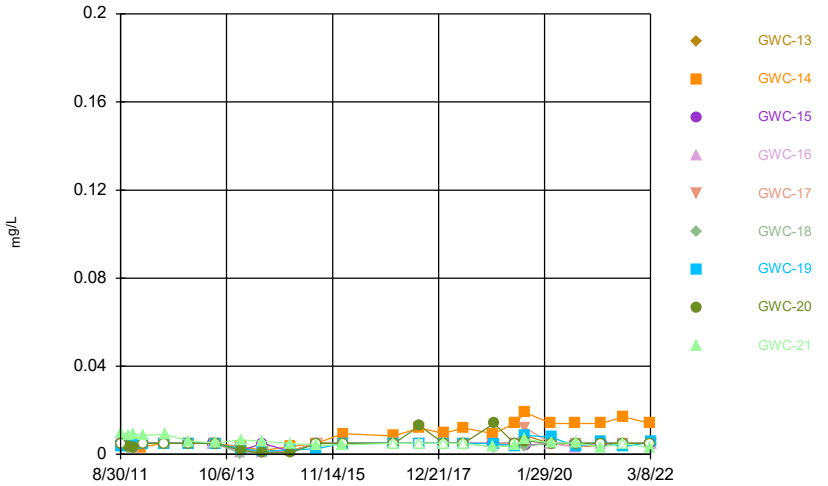
Time Series



Constituent: Zinc Analysis Run 5/14/2022 12:06 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

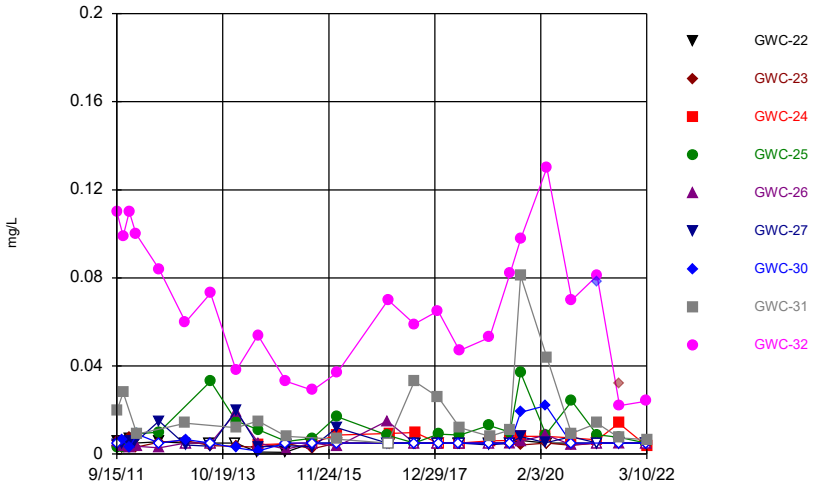
Time Series



Constituent: Zinc Analysis Run 5/14/2022 12:06 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

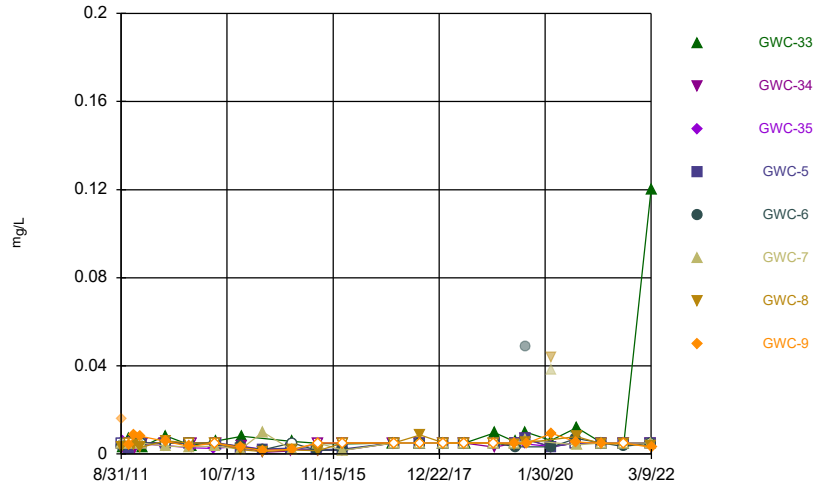
Time Series



Constituent: Zinc Analysis Run 5/14/2022 12:06 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Time Series



Constituent: Zinc Analysis Run 5/14/2022 12:06 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/14/2022 12:06 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
8/31/2011					<0.002	<0.002			
9/13/2011								<0.002	<0.002
9/16/2011	<0.002		<0.002						
9/17/2011		<0.002		<0.002					
10/27/2011	<0.002	<0.002				<0.002			
10/28/2011			<0.002	<0.002				<0.002	<0.002
12/4/2011								<0.002	<0.002
12/12/2011			<0.002	<0.002					
12/13/2011	<0.002								
12/14/2011		<0.002				<0.002			
1/24/2012									<0.002
1/25/2012			<0.002						
1/31/2012	<0.002			<0.002					
2/1/2012						<0.002			
2/7/2012		<0.002							
2/9/2012								<0.002	
7/11/2012									<0.002
7/16/2012			<0.002						
7/17/2012				<0.002					
7/18/2012	<0.002							<0.002	
7/23/2012		<0.002				<0.002			
1/8/2013								<0.002	<0.002
1/23/2013		<0.002				<0.002			
1/24/2013	<0.002		<0.002	<0.002					
7/9/2013								<0.002	
7/10/2013									<0.002
7/17/2013	<0.002					<0.002			
7/23/2013			<0.002						
7/24/2013		<0.002		<0.002					
1/15/2014						<0.002		0.0023 (J)	
1/21/2014	<0.002								<0.002
1/22/2014		<0.002	<0.002	<0.002					
6/25/2014	<0.002				<0.002	<0.002		<0.002	
7/1/2014		<0.002	<0.002						<0.002
7/8/2014				<0.002 (D)					
1/14/2015	<0.002					<0.002			
1/21/2015			<0.002	<0.002				<0.002	<0.002
1/22/2015		<0.002							
7/21/2015	<0.002		<0.002		<0.002	<0.002			
7/22/2015		<0.002		<0.002					
7/28/2015								<0.002	<0.002
1/19/2016				<0.002 (D)					
1/20/2016		<0.002				<0.002			
1/21/2016	<0.002								
1/22/2016			<0.002						
1/25/2016							<0.002		
1/26/2016								<0.002	<0.002
3/22/2016			<0.002	0.00113 (J)					
3/23/2016	<0.002	0.00069 (J)				<0.002			
3/29/2016								<0.002	<0.002
3/30/2016							<0.002		
3/31/2016					0.000602 (J)				

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/14/2022 12:06 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
5/19/2016				0.00103 (J)		<0.002			
5/20/2016	<0.002								
5/23/2016			0.00103 (J)						
5/24/2016		<0.002							
5/25/2016					0.000642 (J)		0.000703 (J)	<0.002	<0.002
7/21/2016	<0.002			0.0013 (J)		<0.002			
7/22/2016									<0.002
7/25/2016			0.0021 (J)					<0.002	
7/26/2016		0.0021 (J)							
7/27/2016					<0.002		<0.002		
9/14/2016						<0.002			
9/15/2016	<0.002		0.0012 (J)						<0.002
9/16/2016		<0.002					<0.002		
9/19/2016								<0.002	
11/9/2016			<0.002						
11/10/2016		<0.002				<0.002			
11/11/2016	<0.002								
11/16/2016								<0.002	<0.002
11/17/2016							<0.002		
1/17/2017			<0.002	<0.002		<0.002			
1/19/2017	<0.002	<0.002							
1/31/2017								<0.002	<0.002
2/1/2017							<0.002		
3/16/2017	<0.002		<0.002			<0.002			
3/17/2017		<0.002							
3/23/2017								<0.002	<0.002
3/24/2017							<0.002		
4/27/2017			<0.002	<0.002		<0.002			
4/28/2017	<0.002	<0.002							
5/2/2017								<0.002	
5/3/2017							<0.002		<0.002
7/18/2017				<0.002					
8/1/2017			<0.002	<0.002	<0.002				
8/2/2017		<0.002				<0.002			
8/3/2017	<0.002								
8/7/2017								<0.002	<0.002
8/8/2017							<0.002		
10/3/2017					<0.002				
1/19/2018	<0.002	<0.002	<0.002	<0.002					
1/22/2018						<0.002			
1/24/2018								<0.002	<0.002
1/25/2018							<0.002		
6/19/2018	<0.002	<0.002	<0.002	<0.002		<0.002			
6/20/2018					<0.002			<0.002	
6/21/2018							<0.002		
6/26/2018									<0.002
1/17/2019	<0.002	<0.002				<0.002			
1/18/2019				<0.002	<0.002				
1/21/2019			<0.002						
1/24/2019								<0.002	
1/25/2019									<0.002
1/31/2019							0.00048 (J)		

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/14/2022 12:06 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
6/24/2019	<0.002	<0.002				<0.002			
6/25/2019			<0.002	<0.002	<0.002				
6/26/2019							<0.002	<0.002	<0.002
9/9/2019	<0.002								
9/10/2019		<0.002	<0.002	<0.002		<0.002			
9/11/2019					<0.002				<0.002
9/16/2019								<0.002	
9/17/2019							<0.002		
3/10/2020	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002			
3/16/2020								<0.002	
3/17/2020							<0.002		
3/18/2020									<0.002
9/9/2020	<0.002		<0.002	<0.002	<0.002	<0.002			
9/10/2020		<0.002					<0.002	<0.002	<0.002
3/15/2021	<0.002	<0.002	<0.002	0.00047 (J)	<0.002	<0.002			
3/16/2021									<0.002
3/17/2021								<0.002	
3/18/2021							<0.002		
8/16/2021	<0.002		<0.002						
8/18/2021		<0.002		<0.002	<0.002	<0.002			
8/19/2021									<0.002
8/20/2021							<0.002		
8/23/2021								<0.002	
2/28/2022	<0.002								
3/1/2022		<0.002	<0.002		<0.002	<0.002			
3/2/2022				<0.002					
3/7/2022								<0.002	<0.002
3/8/2022							<0.002		

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/14/2022 12:06 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
8/30/2011				<0.002	<0.002	<0.002	<0.002		
8/31/2011								<0.002	<0.002
9/13/2011	<0.002	<0.002							
9/16/2011			<0.002						
10/26/2011				<0.002	<0.002	<0.002	<0.002		
10/27/2011		<0.002	<0.002					<0.002	<0.002
10/28/2011	<0.002								
12/3/2011		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		
12/4/2011	<0.002							<0.002	<0.002
1/24/2012	<0.002	<0.002							
1/25/2012				<0.002	<0.002				
2/8/2012							<0.002	<0.002	<0.002
2/9/2012			<0.002			<0.002			
7/11/2012	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
7/17/2012									<0.002
1/8/2013	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
1/9/2013									<0.002
7/2/2013			<0.002	<0.002					
7/10/2013	<0.002	<0.002							
7/16/2013					<0.002	<0.002	<0.002	<0.002	<0.002
1/14/2014				<0.002	<0.002	<0.002			
1/21/2014	<0.002	<0.002	<0.002				<0.002	<0.002	<0.002
6/24/2014			<0.002			<0.002	<0.002	<0.002	<0.002
6/25/2014				<0.002	<0.002				
7/1/2014	<0.002	<0.002							
1/13/2015				<0.002		<0.002	<0.002	<0.002	<0.002
1/14/2015		<0.002	<0.002		<0.002				
1/21/2015	<0.002								
7/22/2015		<0.002	<0.002	<0.002					
7/23/2015						<0.002	<0.002	<0.002	<0.002
7/28/2015	<0.002				<0.002				
1/26/2016									<0.002
1/27/2016	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
3/29/2016	<0.002								
3/30/2016		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
5/25/2016	<0.002	<0.002	<0.002	<0.002	<0.002				
5/26/2016						<0.002	<0.002	<0.002	<0.002
7/25/2016						0.0022 (J)	<0.002	<0.002	
7/26/2016	<0.002	<0.002	<0.002						<0.002
7/27/2016				<0.002	<0.002				
9/15/2016	<0.002	<0.002							
9/16/2016				<0.002					
9/19/2016					<0.002	<0.002	<0.002		
9/20/2016			<0.002					<0.002	<0.002
11/17/2016	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1/31/2017	<0.002								
2/1/2017		<0.002	<0.002	<0.002	<0.002	<0.002			
2/2/2017							<0.002	<0.002	<0.002
3/23/2017	<0.002	<0.002	<0.002						
3/24/2017				<0.002	<0.002	<0.002	<0.002		
3/28/2017								<0.002	<0.002
5/3/2017	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/14/2022 12:06 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
5/4/2017								<0.002	<0.002
8/4/2017	<0.002		<0.002						
8/7/2017		<0.002		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
1/25/2018	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		
1/26/2018								<0.002	<0.002
6/20/2018	<0.002	<0.002	<0.002	<0.002					<0.002
6/21/2018						<0.002	<0.002	<0.002	
6/26/2018					<0.002				
1/22/2019	<0.002	<0.002	<0.002						
1/24/2019					<0.002				<0.002
1/25/2019				<0.002					
1/28/2019						<0.002	<0.002	<0.002	
6/25/2019	<0.002	<0.002	<0.002	<0.002	<0.002			<0.002	<0.002
6/26/2019							<0.002		
6/27/2019						<0.002			
9/11/2019				<0.002	<0.002	<0.002		<0.002	<0.002
9/12/2019	<0.002	<0.002					<0.002		
9/17/2019			<0.002						
3/12/2020	<0.002								
3/16/2020			<0.002						
3/17/2020		<0.002		<0.002	<0.002	<0.002			
3/18/2020							<0.002	<0.002	<0.002
9/10/2020	0.00064 (J)	<0.002	<0.002						
9/11/2020				<0.002					
9/14/2020					<0.002	<0.002			
9/15/2020							<0.002	<0.002	<0.002
3/16/2021					<0.002	<0.002		<0.002	<0.002
3/17/2021	0.00075 (J)	<0.002		<0.002			<0.002		
3/18/2021			<0.002						
8/19/2021									<0.002
8/20/2021				<0.002	<0.002				
8/23/2021	<0.002	<0.002							
8/24/2021			<0.002			<0.002	<0.002	<0.002	
3/7/2022		<0.002	<0.002					<0.002	<0.002
3/8/2022	0.0011 (J)			<0.002	<0.002	<0.002	<0.002		

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/14/2022 12:06 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
9/15/2011	<0.002						<0.002		<0.002
9/16/2011		<0.002							
9/17/2011				<0.002	<0.002	<0.002		<0.002	
10/28/2011							<0.002		
10/29/2011	<0.002	<0.002			<0.002	<0.002			
10/31/2011				<0.002				<0.002	<0.002
12/13/2011	<0.002	<0.002					<0.002		<0.002
12/14/2011				<0.002	<0.002	<0.002			
1/25/2012	<0.002					<0.002			
1/31/2012		<0.002							
2/1/2012									<0.002
2/7/2012				<0.002	<0.002			<0.002	
2/8/2012							<0.002		
7/17/2012				<0.002	<0.002	<0.002			<0.002
7/18/2012	<0.002	<0.002					<0.002		
1/22/2013	<0.002	<0.002							
1/23/2013								<0.002	<0.002
1/24/2013					<0.002	<0.002	<0.002		
7/16/2013	<0.002								
7/23/2013		<0.002							
7/24/2013				<0.002	<0.002	<0.002	<0.002		<0.002
1/21/2014	<0.002								
1/22/2014		<0.002							
1/23/2014				<0.002	<0.002	<0.002	0.0014 (J)	<0.002	<0.002
6/25/2014	<0.002								
7/1/2014		<0.002					<0.002	<0.002	<0.002
7/8/2014			<0.002	<0.002	<0.002	<0.002			
1/14/2015	<0.002								
1/20/2015							<0.002		<0.002
1/21/2015				<0.002	<0.002	<0.002		<0.002	
1/22/2015		<0.002							
7/23/2015	<0.002								
7/29/2015		<0.002							
7/30/2015				<0.002		<0.002	<0.002		<0.002
7/31/2015			<0.002		<0.002				
1/19/2016							<0.002		
1/20/2016			<0.002						
1/21/2016		<0.002		<0.002					
1/22/2016						<0.002			
1/25/2016					<0.002			<0.002	<0.002
1/26/2016	<0.002								
3/23/2016						<0.002	<0.002		<0.002
3/24/2016					0.000653 (J)				
3/28/2016				<0.002					
3/29/2016		0.000665 (J)							
3/30/2016			0.00174 (J)					<0.002	
3/31/2016	<0.002								
5/20/2016							<0.002		
5/24/2016						<0.002			<0.002
5/25/2016		<0.002	0.00163 (J)	0.00151 (J)	0.000943 (J)			0.00129 (J)	
5/26/2016	<0.002								
7/21/2016							<0.002		

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/14/2022 12:06 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
7/22/2016									<0.002
7/26/2016	0.001 (J)				<0.002	0.0013 (J)			
7/27/2016		<0.002	0.0019 (J)	<0.002				0.0027	
9/16/2016			0.002 (J)						<0.002
9/19/2016				<0.002	<0.002	<0.002			
9/20/2016	<0.002	<0.002					0.0012 (J)		
11/11/2016						<0.002			
11/14/2016					<0.002		<0.002		
11/15/2016				<0.002					<0.002
11/17/2016	<0.002								
11/18/2016		<0.002	0.0011 (J)						
1/19/2017					<0.002				
1/20/2017						0.0014 (J)			
1/24/2017				<0.002			<0.002		
1/25/2017								<0.002	
1/26/2017									<0.002
2/3/2017	<0.002	<0.002	<0.002						
3/16/2017					<0.002	<0.002			
3/17/2017							<0.002		
3/23/2017				<0.002				<0.002	
3/24/2017									<0.002
3/28/2017	<0.002	<0.002							
3/29/2017			<0.002						
4/28/2017						<0.002			
5/1/2017					<0.002		<0.002		
5/2/2017				<0.002				<0.002	<0.002
5/3/2017	<0.002								
5/4/2017		<0.002	<0.002						
7/19/2017								<0.002	
8/3/2017				<0.002	<0.002	<0.002			<0.002
8/4/2017							<0.002	<0.002	
8/8/2017	<0.002	<0.002	<0.002						
1/19/2018						<0.002			
1/22/2018					<0.002				
1/23/2018								<0.002	<0.002
1/24/2018							<0.002		
1/25/2018	<0.002	<0.002	<0.002	<0.002					
6/20/2018	<0.002	<0.002							
6/21/2018							<0.002		
6/26/2018									<0.002
6/27/2018			<0.002	<0.002	<0.002	<0.002		<0.002	
1/24/2019	<0.002			<0.002	<0.002	<0.002			
1/25/2019		<0.002							
1/30/2019							0.0004 (J)		0.00039 (J)
1/31/2019			0.00048 (J)					0.00042 (J)	
6/25/2019	<0.002			<0.002	<0.002				
6/26/2019		<0.002	<0.002			<0.002		<0.002	
6/27/2019							<0.002		<0.002
9/10/2019	<0.002						<0.002		
9/11/2019			<0.002	<0.002				<0.002	
9/12/2019		<0.002			<0.002	<0.002			<0.002
3/11/2020							<0.002		

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/14/2022 12:06 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
3/12/2020			<0.002	<0.002		<0.002			
3/13/2020					<0.002				
3/17/2020								<0.002	
3/18/2020	<0.002	<0.002							<0.002
9/9/2020						<0.002			
9/10/2020	<0.002	<0.002					<0.002		
9/11/2020								<0.002	
9/14/2020				<0.002					
9/15/2020			<0.002		<0.002				<0.002
3/15/2021	<0.002								
3/16/2021								<0.002	
3/17/2021				<0.002	<0.002				<0.002
3/18/2021		<0.002	<0.002			<0.002	<0.002		
8/19/2021	<0.002		<0.002	<0.002	<0.002				
8/23/2021		<0.002				<0.002	<0.002		
8/24/2021									<0.002
8/25/2021								<0.002	
3/2/2022							<0.002		
3/8/2022	<0.002			<0.002		0.00064 (J)			
3/9/2022		<0.002			<0.002				<0.002
3/10/2022			<0.002					<0.002	

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/14/2022 12:06 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
8/31/2011				<0.002	<0.002			
9/7/2011						<0.002	<0.002	<0.002
9/16/2011	<0.002	<0.002	<0.002					
10/27/2011				<0.002				
10/30/2011	<0.002				<0.002	<0.002	<0.002	<0.002
10/31/2011		<0.002	<0.002					
12/4/2011								<0.002
12/5/2011				<0.002	<0.002	<0.002	<0.002	
12/12/2011		<0.002	<0.002					
12/13/2011	<0.002							
1/19/2012							<0.002	<0.002
1/25/2012				<0.002	<0.002	<0.002		
2/1/2012	<0.002	<0.002	<0.002					
7/16/2012		<0.002	<0.002					
7/17/2012	<0.002							
7/18/2012				<0.002		<0.002	<0.002	<0.002
7/24/2012					<0.002			
1/7/2013						<0.002	<0.002	
1/8/2013					<0.002			<0.002
1/9/2013				<0.002				
1/22/2013		<0.002	<0.002					
1/23/2013	<0.002							
7/2/2013			<0.002					
7/9/2013					<0.002	<0.002	<0.002	<0.002
7/17/2013	<0.002	<0.002		<0.002				
1/14/2014						<0.002	<0.002	<0.002
1/15/2014				<0.002	<0.002			
1/21/2014			<0.002					
1/23/2014	<0.002	<0.002						
6/24/2014						<0.002	<0.002	<0.002
6/25/2014		<0.002	<0.002	<0.002	<0.002			
1/13/2015				<0.002				
1/14/2015		<0.002	<0.002					
1/20/2015	<0.002				<0.002	<0.002	<0.002	<0.002
7/24/2015				<0.002	<0.002			
7/27/2015						<0.002	<0.002	<0.002
7/28/2015			<0.002					
7/29/2015	<0.002	<0.002						
1/20/2016				0.0024 (J)	<0.002			
1/21/2016		<0.002	<0.002					
1/25/2016	<0.002							
1/26/2016						<0.002	<0.002	<0.002
3/23/2016	<0.002							
3/24/2016		<0.002	<0.002					
3/28/2016				<0.002	<0.002			
3/29/2016						<0.002	<0.002	<0.002
5/23/2016		<0.002	<0.002	<0.002				
5/24/2016	<0.002				<0.002	<0.002	<0.002	<0.002
7/21/2016		<0.002	<0.002	<0.002	<0.002			
7/22/2016	<0.002					<0.002		
7/25/2016								<0.002
7/26/2016							<0.002	

Time Series

Constituent: Antimony (mg/L) Analysis Run 5/14/2022 12:06 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
9/15/2016		<0.002	<0.002	<0.002	<0.002	<0.002		
9/16/2016	<0.002							
9/19/2016							<0.002	<0.002
11/15/2016		<0.002	<0.002	<0.002				
11/16/2016					<0.002	<0.002	<0.002	<0.002
11/17/2016	<0.002							
1/25/2017	<0.002	<0.002						
1/26/2017			<0.002	<0.002	<0.002	<0.002	<0.002	
1/31/2017								<0.002
3/22/2017		<0.002	<0.002	<0.002	<0.002	<0.002		
3/23/2017	<0.002						<0.002	<0.002
5/1/2017	<0.002	<0.002						
5/2/2017			<0.002	<0.002	<0.002	<0.002		<0.002
5/3/2017							<0.002	
8/3/2017		<0.002	<0.002	<0.002	<0.002			
8/4/2017	<0.002					<0.002		
8/7/2017							<0.002	<0.002
1/23/2018	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		
1/24/2018							<0.002	<0.002
6/19/2018			<0.002					
6/20/2018		<0.002						
6/21/2018							<0.002	<0.002
6/25/2018				<0.002	<0.002	<0.002		
6/26/2018	<0.002							
1/21/2019			<0.002			<0.002		
1/22/2019							<0.002	<0.002
1/28/2019		<0.002						
1/30/2019	0.00055 (J)			0.0004 (J)	0.00039 (J)			
6/25/2019						<0.002	<0.002	<0.002
6/26/2019	<0.002	<0.002	<0.002	<0.002	<0.002			
9/10/2019						<0.002	<0.002	
9/11/2019		<0.002						
9/12/2019	<0.002		<0.002	<0.002	<0.002			
9/16/2019								<0.002
3/11/2020		<0.002	<0.002					
3/12/2020	<0.002					<0.002	<0.002	
3/16/2020				<0.002	<0.002			<0.002
9/9/2020				<0.002				
9/11/2020		<0.002	<0.002		<0.002			<0.002
9/14/2020						<0.002	<0.002	
9/16/2020	<0.002							
3/16/2021		<0.002	<0.002			<0.002	<0.002	<0.002
3/17/2021				<0.002	<0.002			
3/18/2021	<0.002							
8/18/2021			<0.002		<0.002			
8/19/2021				<0.002		<0.002		
8/20/2021							<0.002	
8/24/2021	<0.002	<0.002						
8/25/2021								<0.002
3/2/2022		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
3/9/2022	<0.002							<0.002

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 12:06 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
8/31/2011					<0.001	<0.001			
9/13/2011								<0.001	<0.001
9/16/2011	<0.001		<0.001						
9/17/2011		<0.001		<0.001					
10/27/2011	<0.001	<0.001				<0.001			
10/28/2011			<0.001	<0.001				<0.001	<0.001
12/4/2011								<0.001	<0.001
12/12/2011			<0.001	<0.001					
12/13/2011	<0.001								
12/14/2011		<0.001				<0.001			
1/24/2012									<0.001
1/25/2012			<0.001						
1/31/2012	<0.001			<0.001					
2/1/2012						<0.001			
2/7/2012		<0.001							
2/9/2012								<0.001	
7/11/2012									<0.001
7/16/2012			<0.001						
7/17/2012				<0.001					
7/18/2012	<0.001							<0.001	
7/23/2012		<0.001				<0.001			
1/8/2013								<0.001	<0.001
1/23/2013		<0.001				<0.001			
1/24/2013	<0.001		<0.001	<0.001					
7/9/2013								<0.001	
7/10/2013									<0.001
7/17/2013	<0.001					<0.001			
7/23/2013			<0.001						
7/24/2013		<0.001		<0.001					
1/15/2014						<0.001		<0.001	
1/21/2014	<0.001								<0.001
1/22/2014		<0.001	<0.001	<0.001					
6/25/2014	<0.001				<0.001	<0.001		<0.001	
7/1/2014		<0.001	<0.001						<0.001
7/8/2014				<0.001 (D)					
1/14/2015	<0.001					<0.001			
1/21/2015			<0.001	<0.001				<0.001	<0.001
1/22/2015		<0.001							
7/21/2015	<0.001		<0.001		<0.001	<0.001			
7/22/2015		<0.001		<0.001					
7/28/2015								<0.001	<0.001
1/19/2016				<0.001 (D)					
1/20/2016		<0.001				<0.001			
1/21/2016	<0.001								
1/22/2016			<0.001						
1/25/2016							<0.001		
1/26/2016								<0.001	<0.001
3/22/2016			<0.001	<0.001					
3/23/2016	<0.001	<0.001				<0.001			
3/29/2016								0.00165 (J)	<0.001
3/30/2016							<0.001		
3/31/2016					<0.001				

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 12:06 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
5/19/2016				<0.001		<0.001			
5/20/2016	<0.001								
5/23/2016			<0.001						
5/24/2016		<0.001							
5/25/2016					<0.001		<0.001	0.00191 (J)	<0.001
7/21/2016	<0.001			<0.001		0.00062 (J)			
7/22/2016									0.00047 (J)
7/25/2016			<0.001					0.0016	
7/26/2016		<0.001							
7/27/2016					<0.001		<0.001		
9/14/2016						<0.001			
9/15/2016	<0.001		<0.001						<0.001
9/16/2016		<0.001					<0.001		
9/19/2016								0.0021	
11/9/2016			<0.001						
11/10/2016		<0.001				<0.001			
11/11/2016	<0.001								
11/16/2016								0.0012 (J)	<0.001
11/17/2016							<0.001		
1/17/2017			<0.001	<0.001		<0.001			
1/19/2017	<0.001	<0.001							
1/31/2017								0.001 (J)	<0.001
2/1/2017							<0.001		
3/16/2017	<0.001		<0.001			<0.001			
3/17/2017		<0.001							
3/23/2017								0.00076 (J)	<0.001
3/24/2017							<0.001		
4/27/2017			<0.001	0.00064 (J)		<0.001			
4/28/2017	<0.001	<0.001							
5/2/2017								0.0012 (J)	
5/3/2017							<0.001		0.0024 (O)
7/18/2017				<0.001					
8/1/2017			<0.001	<0.001	<0.001				
8/2/2017		<0.001				<0.001			
8/3/2017	<0.001								
8/7/2017								0.0018	<0.001
8/8/2017							<0.001		
10/3/2017					<0.001				
1/19/2018	<0.001	<0.001	<0.001	<0.001					
1/22/2018						0.00068 (J)			
1/24/2018								0.0011 (J)	<0.001
1/25/2018							<0.001		
6/19/2018	<0.001	<0.001	0.00078 (J)	0.00095 (J)		0.0011 (J)			
6/20/2018					0.001 (J)			0.002	
6/21/2018							<0.001		
6/26/2018									<0.001
1/17/2019	<0.001	<0.001				<0.001			
1/18/2019				<0.001	<0.001				
1/21/2019			<0.001						
1/24/2019								0.00065 (J)	
1/25/2019									<0.001
1/31/2019							<0.001		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 12:06 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
6/24/2019	0.00054 (J)	0.00043 (J)				0.00032 (J)			
6/25/2019			<0.001	<0.001	<0.001				
6/26/2019							<0.001	0.0015	<0.001
9/9/2019	<0.001								
9/10/2019		<0.001	<0.001	<0.001		<0.001			
9/11/2019					<0.001				0.00036 (J)
9/16/2019								0.0018	
9/17/2019							<0.001		
3/10/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
3/16/2020								0.0009 (J)	
3/17/2020							<0.001		
3/18/2020									0.00061 (J)
9/9/2020	<0.001		<0.001	<0.001	<0.001	<0.001			
9/10/2020		<0.001					<0.001	0.0014	<0.001
3/15/2021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
3/16/2021									0.00041 (J)
3/17/2021								0.0012	
3/18/2021							<0.001		
8/16/2021	<0.001		<0.001						
8/18/2021		<0.001		<0.001	<0.001	<0.001			
8/19/2021									<0.001
8/20/2021							<0.001		
8/23/2021								0.0014	
2/28/2022	<0.001								
3/1/2022		<0.001	<0.001		<0.001	<0.001			
3/2/2022				<0.001					
3/7/2022								0.00088 (J)	0.0005 (J)
3/8/2022							<0.001		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 12:06 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
8/30/2011				<0.001	<0.001	<0.001	<0.001		
8/31/2011								<0.001	<0.001
9/13/2011	<0.001	<0.001							
9/16/2011			<0.001						
10/26/2011				<0.001	<0.001	<0.001	<0.001		
10/27/2011		<0.001	<0.001					<0.001	<0.001
10/28/2011	<0.001								
12/3/2011		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
12/4/2011	<0.001							<0.001	<0.001
1/24/2012	<0.001	<0.001							
1/25/2012				<0.001	<0.001				
2/8/2012							<0.001	<0.001	<0.001
2/9/2012			<0.001			<0.001			
7/11/2012	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
7/17/2012									<0.001
1/8/2013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
1/9/2013									<0.001
7/2/2013			<0.001	<0.001					
7/10/2013	<0.001	<0.001							
7/16/2013					<0.001	<0.001	<0.001	<0.001	<0.001
1/14/2014				<0.001	<0.001	<0.001			
1/21/2014	<0.001	<0.001	<0.001				<0.001	<0.001	<0.001
6/24/2014			<0.001			<0.001	<0.001	<0.001	<0.001
6/25/2014				<0.001	<0.001				
7/1/2014	<0.001	<0.001							
1/13/2015				<0.001		<0.001	<0.001	<0.001	<0.001
1/14/2015		<0.001	<0.001		<0.001				
1/21/2015	<0.001								
7/22/2015		<0.001	<0.001	<0.001					
7/23/2015						<0.001	<0.001	<0.001	<0.001
7/28/2015	<0.001				<0.001				
1/26/2016									<0.001
1/27/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
3/29/2016	<0.001								
3/30/2016		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
5/25/2016	<0.001	<0.001	<0.001	<0.001	<0.001				
5/26/2016						<0.001	<0.001	<0.001	<0.001
7/25/2016						0.00056 (J)	<0.001	<0.001	
7/26/2016	<0.001	0.00096 (J)	<0.001						<0.001
7/27/2016				<0.001	<0.001				
9/15/2016	<0.001	<0.001							
9/16/2016				<0.001					
9/19/2016					<0.001	<0.001	<0.001		
9/20/2016			<0.001					<0.001	<0.001
11/17/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1/31/2017	<0.001								
2/1/2017		<0.001	<0.001	<0.001	<0.001	<0.001			
2/2/2017							<0.001	<0.001	<0.001
3/23/2017	0.00067 (J)	<0.001	<0.001						
3/24/2017				<0.001	<0.001	<0.001	<0.001		
3/28/2017								<0.001	<0.001
5/3/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
5/4/2017								<0.001	<0.001
8/4/2017	<0.001		<0.001						
8/7/2017		<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1/25/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
1/26/2018								<0.001	<0.001
6/20/2018	0.0012 (J)	<0.001	<0.001	0.00084 (J)					<0.001
6/21/2018						0.001 (J)	0.0013	0.00049 (J)	
6/26/2018					<0.001				
1/22/2019	<0.001	0.00041 (J)	<0.001						
1/24/2019					<0.001				<0.001
1/25/2019				<0.001					
1/28/2019						<0.001	<0.001	<0.001	
6/25/2019	<0.001	0.00048 (J)	<0.001	<0.001	0.00038 (J)			<0.001	0.00037 (J)
6/26/2019							<0.001		
6/27/2019						<0.001			
9/11/2019				<0.001	<0.001	<0.001		<0.001	0.00047 (J)
9/12/2019	<0.001	<0.001					<0.001		
9/17/2019			<0.001						
3/12/2020	<0.001								
3/16/2020			<0.001						
3/17/2020		0.00031 (J)		<0.001	<0.001	<0.001			
3/18/2020							<0.001	<0.001	<0.001
9/10/2020	<0.001	<0.001	<0.001						
9/11/2020				<0.001					
9/14/2020					<0.001	<0.001			
9/15/2020							<0.001	<0.001	<0.001
3/16/2021					<0.001	<0.001		0.00039 (J)	<0.001
3/17/2021	<0.001	<0.001		<0.001			0.00031 (J)		
3/18/2021			<0.001						
8/19/2021									<0.001
8/20/2021				<0.001	<0.001				
8/23/2021	<0.001	<0.001							
8/24/2021			<0.001			<0.001	<0.001	<0.001	
3/7/2022		<0.001	<0.001					<0.001	<0.001
3/8/2022	<0.001			<0.001	<0.001	<0.001	<0.001		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
9/15/2011	<0.001						<0.001		<0.001
9/16/2011		<0.001							
9/17/2011				<0.001	<0.001	<0.001		<0.001	
10/28/2011							<0.001		
10/29/2011	<0.001	<0.001			<0.001	<0.001			
10/31/2011				<0.001				<0.001	<0.001
12/13/2011	<0.001	<0.001					<0.001		<0.001
12/14/2011				<0.001	<0.001	<0.001			
1/25/2012	<0.001					<0.001			
1/31/2012		<0.001							
2/1/2012									<0.001
2/7/2012				<0.001	<0.001			<0.001	
2/8/2012							<0.001		
7/17/2012				<0.001	<0.001	<0.001			<0.001
7/18/2012	<0.001	<0.001					<0.001		
1/22/2013	<0.001	<0.001							
1/23/2013								<0.001	<0.001
1/24/2013					<0.001	<0.001	<0.001		
7/16/2013	<0.001								
7/23/2013		<0.001							
7/24/2013				<0.001	<0.001	<0.001	<0.001		<0.001
1/21/2014	<0.001								
1/22/2014		<0.001							
1/23/2014				<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
6/25/2014	<0.001								
7/1/2014		<0.001					<0.001	<0.001	<0.001
7/8/2014			<0.001	<0.001	<0.001	<0.001			
1/14/2015	<0.001								
1/20/2015							<0.001		<0.001
1/21/2015				<0.001	<0.001	<0.001		<0.001	
1/22/2015		<0.001							
7/23/2015	<0.001								
7/29/2015		<0.001							
7/30/2015				<0.001		<0.001	<0.001		<0.001
7/31/2015			<0.001		<0.001				
1/19/2016							<0.001		
1/20/2016			<0.001						
1/21/2016		<0.001		<0.001					
1/22/2016						<0.001			
1/25/2016					<0.001			<0.001	<0.001
1/26/2016	<0.001								
3/23/2016						<0.001	<0.001		<0.001
3/24/2016					<0.001				
3/28/2016				<0.001					
3/29/2016		<0.001							
3/30/2016			<0.001					<0.001	
3/31/2016	<0.001								
5/20/2016							<0.001		
5/24/2016						<0.001			<0.001
5/25/2016		<0.001	<0.001	<0.001	<0.001			<0.001	
5/26/2016	<0.001								
7/21/2016							<0.001		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
7/22/2016									<0.001
7/26/2016	<0.001				<0.001	<0.001			
7/27/2016		<0.001	<0.001	<0.001				0.00055 (J)	
9/16/2016			<0.001						<0.001
9/19/2016				<0.001	<0.001	<0.001			
9/20/2016	<0.001	<0.001					<0.001		
11/11/2016						<0.001			
11/14/2016					<0.001		<0.001		
11/15/2016				<0.001					<0.001
11/17/2016	<0.001								
11/18/2016		<0.001	0.00055 (J)						
1/19/2017					<0.001				
1/20/2017						<0.001			
1/24/2017				0.00061 (J)			<0.001		
1/25/2017								<0.001	
1/26/2017									<0.001
2/3/2017	<0.001	<0.001	<0.001						
3/16/2017					<0.001	<0.001			
3/17/2017							<0.001		
3/23/2017				<0.001				<0.001	
3/24/2017									<0.001
3/28/2017	<0.001	<0.001							
3/29/2017			<0.001						
4/28/2017						<0.001			
5/1/2017					<0.001		<0.001		
5/2/2017				0.00085 (J)				<0.001	<0.001
5/3/2017	<0.001								
5/4/2017		<0.001	<0.001						
7/19/2017								0.00055 (J)	
8/3/2017				<0.001	<0.001	<0.001			<0.001
8/4/2017							<0.001	<0.001	
8/8/2017	<0.001	<0.001	<0.001						
1/19/2018						<0.001			
1/22/2018					0.00054 (J)				
1/23/2018								0.0012 (J)	0.00078 (J)
1/24/2018							<0.001		
1/25/2018	<0.001	<0.001	<0.001	<0.001					
6/20/2018	0.00073 (J)	0.00086 (J)							
6/21/2018							<0.001		
6/26/2018									<0.001
6/27/2018			<0.001	<0.001	<0.001	<0.001		<0.001	
1/24/2019	<0.001			<0.001	<0.001	<0.001			
1/25/2019		<0.001							
1/30/2019							<0.001		<0.001
1/31/2019			<0.001					<0.001	
6/25/2019	<0.001			<0.001	<0.001				
6/26/2019		<0.001	<0.001			<0.001		<0.001	
6/27/2019							<0.001		<0.001
9/10/2019	<0.001						<0.001		
9/11/2019			<0.001	0.00041 (J)				0.00032 (J)	
9/12/2019		<0.001			<0.001	<0.001			0.00034 (J)
3/11/2020							<0.001		

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
3/12/2020			<0.001	<0.001		<0.001			
3/13/2020					<0.001				
3/17/2020								<0.001	
3/18/2020	0.00058 (J)	<0.001							<0.001
9/9/2020						<0.001			
9/10/2020	<0.001	<0.001					<0.001		
9/11/2020								<0.001	
9/14/2020				<0.001					
9/15/2020			<0.001		<0.001				<0.001
3/15/2021	<0.001								
3/16/2021								<0.001	
3/17/2021				<0.001	<0.001				<0.001
3/18/2021		0.00038 (J)	<0.001			<0.001	<0.001		
8/19/2021	<0.001		<0.001	<0.001	<0.001				
8/23/2021		<0.001				<0.001	<0.001		
8/24/2021									<0.001
8/25/2021								<0.001	
3/2/2022							<0.001		
3/8/2022	<0.001			<0.001		<0.001			
3/9/2022		<0.001			<0.001				<0.001
3/10/2022			<0.001					<0.001	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
8/31/2011				<0.001	<0.001			
9/7/2011						<0.001	<0.001	<0.001
9/16/2011	<0.001	<0.001	<0.001					
10/27/2011				<0.001				
10/30/2011	<0.001				<0.001	<0.001	<0.001	<0.001
10/31/2011		<0.001	<0.001					
12/4/2011								<0.001
12/5/2011				<0.001	<0.001	<0.001	<0.001	
12/12/2011		<0.001	<0.001					
12/13/2011	<0.001							
1/19/2012							<0.001	<0.001
1/25/2012				<0.001	<0.001	<0.001		
2/1/2012	<0.001	<0.001	<0.001					
7/16/2012		<0.001	<0.001					
7/17/2012	<0.001							
7/18/2012				<0.001		<0.001	<0.001	<0.001
7/24/2012					<0.001			
1/7/2013						<0.001	<0.001	
1/8/2013					<0.001			<0.001
1/9/2013				<0.001				
1/22/2013		<0.001	<0.001					
1/23/2013	<0.001							
7/2/2013			<0.001					
7/9/2013					<0.001	<0.001	<0.001	<0.001
7/17/2013	<0.001	<0.001		<0.001				
1/14/2014						<0.001	<0.001	<0.001
1/15/2014				<0.001	<0.001			
1/21/2014			<0.001					
1/23/2014	<0.001	<0.001						
6/24/2014						<0.001	<0.001	<0.001
6/25/2014		<0.001	<0.001	<0.001	<0.001			
1/13/2015				<0.001				
1/14/2015		<0.001	<0.001					
1/20/2015	<0.001				<0.001	<0.001	<0.001	<0.001
7/24/2015				<0.001	<0.001			
7/27/2015						<0.001	<0.001	<0.001
7/28/2015			<0.001					
7/29/2015	<0.001	<0.001						
1/20/2016				<0.001	<0.001			
1/21/2016		<0.001	<0.001					
1/25/2016	<0.001							
1/26/2016						<0.001	<0.001	<0.001
3/23/2016	<0.001							
3/24/2016		<0.001	<0.001					
3/28/2016				<0.001	<0.001			
3/29/2016						<0.001	<0.001	<0.001
5/23/2016		<0.001	<0.001	<0.001				
5/24/2016	<0.001				<0.001	<0.001	<0.001	<0.001
7/21/2016		<0.001	<0.001	<0.001	<0.001			
7/22/2016	<0.001					0.00049 (J)		
7/25/2016								0.00046 (J)
7/26/2016							<0.001	

Time Series

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
9/15/2016		<0.001	<0.001	<0.001	<0.001	<0.001		
9/16/2016	<0.001							
9/19/2016							<0.001	<0.001
11/15/2016		<0.001	<0.001	<0.001				
11/16/2016					<0.001	<0.001	<0.001	<0.001
11/17/2016	<0.001							
1/25/2017	<0.001	<0.001						
1/26/2017			<0.001	<0.001	<0.001	<0.001	<0.001	
1/31/2017								0.0011 (J)
3/22/2017		<0.001	<0.001	<0.001	<0.001	<0.001		
3/23/2017	<0.001						<0.001	0.00076 (J)
5/1/2017	<0.001	<0.001						
5/2/2017			<0.001	<0.001	<0.001	<0.001		<0.001
5/3/2017							<0.001	
8/3/2017		<0.001	<0.001	<0.001	<0.001			
8/4/2017	<0.001					<0.001		
8/7/2017							<0.001	0.00052 (J)
1/23/2018	0.0013	0.0012 (J)	0.001 (J)	0.0014	0.00075 (J)	0.0012 (J)		
1/24/2018							<0.001	<0.001
6/19/2018			<0.001					
6/20/2018		0.001 (J)						
6/21/2018							0.00052 (J)	0.00095 (J)
6/25/2018				<0.001	<0.001	<0.001		
6/26/2018	<0.001							
1/21/2019			<0.001			<0.001		
1/22/2019							<0.001	0.00059 (J)
1/28/2019		<0.001						
1/30/2019	<0.001			<0.001	<0.001			
6/25/2019						0.00035 (J)	0.00045 (J)	0.00086 (J)
6/26/2019	<0.001	<0.001	<0.001	<0.001	<0.001			
9/10/2019						<0.001	0.00043 (J)	
9/11/2019		<0.001						
9/12/2019	<0.001		<0.001	<0.001	<0.001			
9/16/2019								0.00069 (J)
3/11/2020		<0.001	<0.001					
3/12/2020	<0.001					<0.001	0.00049 (J)	
3/16/2020				<0.001	<0.001			0.00065 (J)
9/9/2020				<0.001				
9/11/2020		<0.001	<0.001		<0.001			0.0008 (J)
9/14/2020						<0.001	<0.001	
9/16/2020	<0.001							
3/16/2021		<0.001	<0.001			<0.001	<0.001	<0.001
3/17/2021				<0.001	<0.001			
3/18/2021	<0.001							
8/18/2021			<0.001		<0.001			
8/19/2021				<0.001		<0.001		
8/20/2021							<0.001	
8/24/2021	<0.001	<0.001						
8/25/2021								0.00045 (J)
3/2/2022		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
3/9/2022	<0.001							<0.001

Time Series

Constituent: Barium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
8/31/2011					0.1	0.092			
9/13/2011								0.2	0.013
9/16/2011	0.013		0.0022						
9/17/2011		0.011		0.0016					
10/27/2011	0.012	0.013				0.061			
10/28/2011			0.0016	0.0015				0.27	0.0092
12/4/2011								0.22	0.0089
12/12/2011			0.0018	0.0013					
12/13/2011	0.012								
12/14/2011		0.01				0.1			
1/24/2012									0.0099
1/25/2012			<0.01						
1/31/2012	0.011			<0.01					
2/1/2012						0.087			
2/7/2012		0.014							
2/9/2012								0.19	
7/11/2012									0.0099
7/16/2012			0.0011						
7/17/2012				0.0016					
7/18/2012	0.012							0.36	
7/23/2012		0.014				0.13			
1/8/2013								0.2	0.012
1/23/2013		0.02				0.11			
1/24/2013	0.012		<0.01	0.0013					
7/9/2013								0.26	
7/10/2013									0.014
7/17/2013	0.0097					0.087			
7/23/2013			<0.01						
7/24/2013		0.016		0.0022					
1/15/2014						0.081		0.21	
1/21/2014	0.0096								0.014
1/22/2014		0.017	0.0013	0.0012 (J)					
6/25/2014	0.0094				0.048	0.081		0.44	
7/1/2014		0.015	0.0012 (J)						0.014
7/8/2014				0.0013 (D)					
1/14/2015	0.0095					0.13			
1/21/2015			0.00042 (J)	0.0015				0.31	0.016
1/22/2015		0.019							
7/21/2015	0.0099		0.00055 (J)		0.036	0.11			
7/22/2015		0.014		0.0014					
7/28/2015								0.38	0.013
1/19/2016				0.00092 (JD)					
1/20/2016		0.016				0.086			
1/21/2016	0.011								
1/22/2016			0.00037 (J)						
1/25/2016							0.014		
1/26/2016								0.15	0.014
3/22/2016			<0.01	<0.01					
3/23/2016	0.00968 (J)	0.00773 (J)				0.112			
3/29/2016								0.372	0.0179
3/30/2016							0.0127		
3/31/2016					0.027				

Time Series

Constituent: Barium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
5/19/2016				0.00265 (J)		0.11			
5/20/2016	0.0096 (J)								
5/23/2016			<0.01						
5/24/2016		0.00761 (J)							
5/25/2016					0.027		0.014	0.396	0.0173
7/21/2016	0.0087			0.0038		0.14			
7/22/2016									0.017
7/25/2016			0.001 (J)					0.25	
7/26/2016		0.0078							
7/27/2016					0.029		0.03		
9/14/2016						0.15			
9/15/2016	0.0086		0.00092 (J)						0.017
9/16/2016		0.017					0.017		
9/19/2016								0.33	
11/9/2016			0.0016 (J)						
11/10/2016		0.016				0.17			
11/11/2016	0.0095								
11/16/2016								0.29	0.018
11/17/2016							0.028		
1/17/2017			<0.01	0.0011 (J)		0.18			
1/19/2017	0.0087	0.02							
1/31/2017								0.19	0.022
2/1/2017							0.023		
3/16/2017	0.01		0.00055 (J)			0.15			
3/17/2017		0.016							
3/23/2017								0.24	0.019
3/24/2017							0.012		
4/27/2017			<0.01	0.00097 (J)		0.13			
4/28/2017	0.0091	0.016							
5/2/2017								0.34	
5/3/2017							0.024		0.02
7/18/2017				0.0016 (J)					
8/1/2017			0.00059 (J)	0.0011 (J)	0.03				
8/2/2017		0.014				0.15			
8/3/2017	0.0099								
8/7/2017								0.4	0.021
8/8/2017							0.014		
10/3/2017					0.038				
1/19/2018	0.0089	0.014	<0.01	0.00076 (J)					
1/22/2018						0.15			
1/24/2018								0.27	0.022
1/25/2018							0.025		
6/19/2018	0.012	0.015	<0.01	0.00078 (J)		0.13			
6/20/2018					0.029			0.31	
6/21/2018							0.023		
6/26/2018									0.021
1/17/2019	0.01	0.01				0.12			
1/18/2019				0.0007 (J)	0.033				
1/21/2019			0.00088						
1/24/2019								0.09	
1/25/2019									0.024
1/31/2019							0.025		

Time Series

Constituent: Barium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
6/24/2019	0.0096 (J)	0.011				0.12			
6/25/2019			<0.01	<0.01	0.082				
6/26/2019							0.02	0.26	0.02
9/9/2019	0.012								
9/10/2019		0.015	0.0022 (J)	0.0033 (J)		0.16			
9/11/2019					0.094				0.022
9/16/2019								0.35	
9/17/2019							0.026		
3/10/2020	0.01	0.01	0.0018 (J)	<0.01	0.079	0.14			
3/16/2020								0.066	
3/17/2020							0.025		
3/18/2020									0.023
9/9/2020	0.01		<0.01	<0.01	0.088	0.12			
9/10/2020		0.012					0.029	0.27	0.025
3/15/2021	0.01	0.011	<0.01	<0.01	0.1	0.13			
3/16/2021									0.026
3/17/2021								0.26	
3/18/2021							0.013		
8/16/2021	0.01		<0.01						
8/18/2021		0.014		<0.01	0.092	0.12			
8/19/2021									0.023
8/20/2021							0.017		
8/23/2021								0.23	
2/28/2022	0.01								
3/1/2022		0.012	<0.01		0.078	0.12			
3/2/2022				<0.01					
3/7/2022								0.16	0.025
3/8/2022							0.013		

Time Series

Constituent: Barium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
8/30/2011				0.018	0.021	0.033	0.037		
8/31/2011								0.038	0.015
9/13/2011	0.0043	0.01							
9/16/2011			0.0061						
10/26/2011				0.017	0.014	0.028	0.037		
10/27/2011		0.019	0.0068					0.034	0.01
10/28/2011	0.0041								
12/3/2011		0.011	0.0067	0.018	0.015	0.03	0.037		
12/4/2011	0.0037							0.033	0.011
1/24/2012	0.0042	0.015							
1/25/2012				0.017	0.014				
2/8/2012							0.048	0.037	0.013
2/9/2012			0.0066			0.029			
7/11/2012	0.0038	0.01	0.0064	0.017	0.015	0.03	0.035	0.035	
7/17/2012									0.013
1/8/2013	0.0034	0.013	0.0075	0.019	0.017	0.036	0.059	0.034	
1/9/2013									0.013
7/2/2013			0.011	0.017					
7/10/2013	0.0035	0.014							
7/16/2013					0.013	0.034	0.069	0.034	0.023
1/14/2014				0.017	0.015	0.037			
1/21/2014	0.0037	<0.01	0.012				0.075	0.035	0.026
6/24/2014			0.0094			0.032	<0.01	0.034	0.027
6/25/2014				0.017	0.016				
7/1/2014	0.0035	0.014							
1/13/2015				0.017		0.034	0.076	0.031	0.024
1/14/2015		0.033	0.01		0.017				
1/21/2015	0.0031								
7/22/2015		0.072	0.0084	0.017					
7/23/2015						0.03	0.05	0.036	0.024
7/28/2015	0.0039				0.016				
1/26/2016									0.026
1/27/2016	0.0026	0.083	0.012	0.016	0.016	0.032	0.092	0.03	
3/29/2016	0.00337 (J)								
3/30/2016		0.0943	0.0136	0.0174	0.0178	0.0349	0.0986	0.0344	0.0293
5/25/2016	0.0028 (J)	0.117	0.00957 (J)	0.0173	0.0169				
5/26/2016						0.0323	0.0687	0.0336	0.0237
7/25/2016						0.031	0.047	0.03	
7/26/2016	0.0023 (J)	0.11	0.0068						0.016
7/27/2016				0.016	0.016				
9/15/2016	0.0026	0.16							
9/16/2016				0.016					
9/19/2016					0.016	0.028	0.039		
9/20/2016			0.007					0.035	0.014
11/17/2016	0.0027	0.27	0.0072	0.017	0.017	0.033	0.046	0.034	0.012
1/31/2017	0.0029								
2/1/2017		0.088	0.009	0.018	0.017	0.037			
2/2/2017							0.085	0.035	0.014
3/23/2017	0.0032	0.11	0.011						
3/24/2017				0.017	0.016	0.037	0.079		
3/28/2017								0.031	0.021
5/3/2017	0.0028	0.1	0.0092	0.017	0.016	0.034	0.1		

Time Series

Constituent: Barium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
5/4/2017								0.035	0.02
8/4/2017	0.0032		0.01						
8/7/2017		0.23		0.017	0.017	0.035	0.06	0.033	0.027
1/25/2018	0.0037	0.1	0.01	0.016	0.015	0.033	0.094		
1/26/2018								0.038	0.032
6/20/2018	0.0035	0.25	0.011	0.017					0.033
6/21/2018						0.033	0.09	0.031	
6/26/2018					0.017				
1/22/2019	0.0029	0.15	0.012						
1/24/2019					0.016				0.046
1/25/2019				0.019					
1/28/2019						0.037	0.12	0.033	
6/25/2019	0.0069 (J)	0.16	0.0096 (J)	0.018	0.017			0.034	0.046
6/26/2019							0.077		
6/27/2019						0.035			
9/11/2019				0.02	0.018	0.04		0.035	0.028
9/12/2019	0.0054 (J)	0.32					0.058		
9/17/2019			0.0072 (J)						
3/12/2020	0.0026 (J)								
3/16/2020			0.012						
3/17/2020		0.23		0.019	0.017	0.039			
3/18/2020							0.13	0.031	0.056
9/10/2020	0.0041 (J)	0.24	0.0076 (J)						
9/11/2020				0.018					
9/14/2020					0.016	0.041			
9/15/2020							0.067	0.035	0.045
3/16/2021					0.015	0.038		0.032	0.061
3/17/2021	0.0039 (J)	0.26		0.017			0.12		
3/18/2021			0.011						
8/19/2021									0.062
8/20/2021				0.018	0.016				
8/23/2021	0.0031 (J)	0.17							
8/24/2021			0.0075 (J)			0.04	0.07	0.032	
3/7/2022		0.23	0.011					0.032	0.063
3/8/2022	0.0034 (J)			0.018	0.016	0.04	0.12		

Time Series

Constituent: Barium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
9/15/2011	0.025						0.0074		0.0043
9/16/2011		0.011							
9/17/2011				0.016	0.038	0.02		0.01	
10/28/2011							0.0074		
10/29/2011	0.024	0.0075			0.036	0.015			
10/31/2011				0.013				0.0068	0.0035
12/13/2011	0.027	0.011					0.0075		0.0036
12/14/2011				0.018	0.035	0.016			
1/25/2012	0.029					0.016			
1/31/2012		0.009							
2/1/2012									0.0037
2/7/2012				0.033	0.04			0.0016	
2/8/2012							0.0075		
7/17/2012				0.025	0.033	0.0057			0.0038
7/18/2012	0.027	0.0076					0.0068		
1/22/2013	0.029	0.0078							
1/23/2013								0.0038	0.003
1/24/2013					0.034	0.0062	0.0083		
7/16/2013	0.025								
7/23/2013		0.0075							
7/24/2013				0.043	0.036	0.01	0.006		0.0019
1/21/2014	0.027								
1/22/2014		0.004							
1/23/2014				0.025	0.031	0.013	0.0051	0.0045	0.0012 (J)
6/25/2014	0.025								
7/1/2014		0.0066					0.0061	0.0048	0.0014
7/8/2014			0.022	0.046	0.031	0.014			
1/14/2015	0.025								
1/20/2015							0.0061		0.0012 (J)
1/21/2015				0.023	0.031	0.015		0.0022	
1/22/2015		0.0067							
7/23/2015	0.025								
7/29/2015		0.0064							
7/30/2015				0.022		0.0092	0.0059		0.0011 (J)
7/31/2015			0.02		0.017				
1/19/2016							0.0075		
1/20/2016			0.026						
1/21/2016		0.0055		0.028					
1/22/2016						0.0063			
1/25/2016					0.03			0.002	0.001 (J)
1/26/2016	0.023								
3/23/2016						0.0107	0.00731 (J)		<0.01
3/24/2016					0.0362				
3/28/2016				0.0383					
3/29/2016		0.0114							
3/30/2016			0.00874 (J)					0.00491 (J)	
3/31/2016	0.0249								
5/20/2016							0.00703 (J)		
5/24/2016						0.00672 (J)			<0.01
5/25/2016		0.00579 (J)	0.00545 (J)	0.0439	0.0348			0.00502 (J)	
5/26/2016	0.0235								
7/21/2016							0.0067		

Time Series

Constituent: Barium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
7/22/2016									0.0014 (J)
7/26/2016	0.021				0.028	0.0085			
7/27/2016		0.0043	0.0047	0.037				0.0033	
9/16/2016			0.018						0.0018 (J)
9/19/2016				0.041	0.029	0.008			
9/20/2016	0.026	0.0056					0.007		
11/11/2016						0.017			
11/14/2016					0.036		0.007		
11/15/2016				0.033					0.0014 (J)
11/17/2016	0.025								
11/18/2016		0.0043	0.022						
1/19/2017					0.034				
1/20/2017						0.013			
1/24/2017				0.04			0.0075		
1/25/2017								0.0051	
1/26/2017									0.003
2/3/2017	0.027	0.005	0.02						
3/16/2017					0.035	0.0096			
3/17/2017							0.0071		
3/23/2017				0.032				0.0024 (J)	
3/24/2017									0.0021 (J)
3/28/2017	0.024	0.0041							
3/29/2017			0.02						
4/28/2017						0.0097			
5/1/2017					0.03		0.0057		
5/2/2017				0.041				0.0026	0.0025
5/3/2017	0.025								
5/4/2017		0.0063	0.023						
7/19/2017								0.004	
8/3/2017				0.012	0.032	0.015			<0.01 (*)
8/4/2017							0.0072	0.0033	
8/8/2017	0.025	0.006	0.026						
1/19/2018						0.013			
1/22/2018					0.031				
1/23/2018								0.0025	0.0027
1/24/2018							0.0084		
1/25/2018	0.027	0.0048	0.021	0.036					
6/20/2018	0.026	0.0047							
6/21/2018							0.011		
6/26/2018									0.0014 (J)
6/27/2018			0.011	0.036	0.033	0.015		0.0016 (J)	
1/24/2019	0.026			0.03	0.036	0.009			
1/25/2019		0.0069							
1/30/2019							0.013		0.0017 (J)
1/31/2019			0.011					0.0016 (J)	
6/25/2019	0.026			0.032	0.038				
6/26/2019		0.0041 (J)	0.0093 (J)			0.017		<0.01	
6/27/2019							0.0071 (J)		<0.01
9/10/2019	0.027						0.0098 (J)		
9/11/2019			0.02	0.056				0.0055 (J)	
9/12/2019		0.0053 (J)			0.039	0.012			0.002 (J)
3/11/2020							0.0081 (J)		

Time Series

Constituent: Barium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
3/12/2020			0.0082 (J)	0.03		0.008 (J)			
3/13/2020					0.035				
3/17/2020								0.002 (J)	
3/18/2020	0.025	0.0055 (J)							<0.01
9/9/2020						0.015			
9/10/2020	0.024	0.0059 (J)					0.0076 (J)		
9/11/2020								0.002 (J)	
9/14/2020				0.04					
9/15/2020			0.011		0.037				<0.01
3/15/2021	0.025								
3/16/2021								0.0022 (J)	
3/17/2021				0.029	0.035				0.0031 (J)
3/18/2021		0.005 (J)	0.0099 (J)			0.016	0.0083 (J)		
8/19/2021	0.024		0.013	0.03	0.036				
8/23/2021		0.0053 (J)				0.01	0.0076 (J)		
8/24/2021									<0.01
8/25/2021								0.0029 (J)	
3/2/2022							0.0072 (J)		
3/8/2022	0.026			0.023		0.015			
3/9/2022		0.0041 (J)			0.037				<0.01
3/10/2022			0.0095 (J)					<0.01	

Time Series

Constituent: Barium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
8/31/2011				0.024	0.064			
9/7/2011						0.06	0.088	0.13
9/16/2011	0.0049	0.01	0.019					
10/27/2011				0.026				
10/30/2011	0.0085				0.06	0.053	0.092	0.02
10/31/2011		0.0089	0.018					
12/4/2011								0.11
12/5/2011				0.024	0.061	0.059	0.11	
12/12/2011		0.011	0.02					
12/13/2011	0.0073							
1/19/2012							0.084	0.15
1/25/2012				0.028	0.064	0.068		
2/1/2012	0.0077	0.011	0.02					
7/16/2012		0.011	0.02					
7/17/2012	0.012							
7/18/2012				0.026		0.098	0.11	0.11
7/24/2012					0.054			
1/7/2013						0.13	0.095	
1/8/2013					0.063			0.14
1/9/2013				0.029				
1/22/2013		0.011	0.021					
1/23/2013	0.012							
7/2/2013			0.019					
7/9/2013					0.051	0.13	0.085	0.13
7/17/2013	0.012	0.011		0.022				
1/14/2014						0.14	0.066	0.099
1/15/2014				0.023	0.06			
1/21/2014			0.02					
1/23/2014	0.0099	0.0097						
6/24/2014						0.13	0.078	0.2
6/25/2014		0.011	0.019	0.02	0.045			
1/13/2015				0.023				
1/14/2015		0.011	0.019					
1/20/2015	0.011				0.048	0.13	0.053	0.12
7/24/2015				0.018	0.051			
7/27/2015						0.11	0.055	0.17
7/28/2015			0.019					
7/29/2015	0.0095	0.011						
1/20/2016				0.027	0.051			
1/21/2016		0.012	0.021					
1/25/2016	0.009							
1/26/2016						0.11	0.044	0.088
3/23/2016	0.00902 (J)							
3/24/2016		0.0132	0.0206					
3/28/2016				0.0207	0.0506			
3/29/2016						0.109	0.05	0.11
5/23/2016		0.0119	0.0221	0.0191				
5/24/2016	0.00573 (J)				0.052	0.0996	0.051	0.17
7/21/2016		0.011	0.019	0.018	0.049			
7/22/2016	0.01					0.089		
7/25/2016								0.17
7/26/2016							0.044	

Time Series

Constituent: Barium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
9/15/2016		0.012	0.02	0.037	0.062	0.097		
9/16/2016	0.0061							
9/19/2016							0.043	0.18
11/15/2016		0.011	0.02	0.024				
11/16/2016					0.062	0.11	0.053	0.18
11/17/2016	0.014							
1/25/2017	<0.01	0.011						
1/26/2017			0.021	0.025	0.062	0.097	0.043	
1/31/2017								0.1
3/22/2017		0.01	0.019	0.02	0.048	0.083		
3/23/2017	0.0096						0.053	0.12
5/1/2017	0.0057	0.012						
5/2/2017			0.02	0.02	0.043	0.088		0.11
5/3/2017							0.047	
8/3/2017		0.031 (O)	0.02	0.025	0.049			
8/4/2017	0.0062					0.088		
8/7/2017							0.048	0.17
1/23/2018	0.0047	0.011	0.019	0.027	0.05	0.094		
1/24/2018							0.038	0.14
6/19/2018			0.02					
6/20/2018		0.012						
6/21/2018							0.058	0.16
6/25/2018				0.02	0.053	0.078		
6/26/2018	0.0067							
1/21/2019			0.022			0.083		
1/22/2019							0.04	0.11
1/28/2019		0.013						
1/30/2019	0.021			0.016	0.054			
6/25/2019						0.075	0.06	0.18
6/26/2019	0.0057 (J)	0.011	0.021	0.02	0.045			
9/10/2019						0.086	0.066	
9/11/2019		0.014						
9/12/2019	0.009 (J)		0.02	0.03	0.074			
9/16/2019								0.18
3/11/2020		0.012	0.02					
3/12/2020	0.0067 (J)					0.072	0.031	
3/16/2020				0.023	0.045			0.079
9/9/2020				0.024				
9/11/2020		0.013	0.021		0.064			0.15
9/14/2020						0.074	0.052	
9/16/2020	0.007 (J)							
3/16/2021		0.012	0.02			0.066	0.037	0.099
3/17/2021				0.021	0.059			
3/18/2021	0.006 (J)							
8/18/2021			0.023		0.061			
8/19/2021				0.025		0.069		
8/20/2021							0.044	
8/24/2021	0.01	0.012						
8/25/2021								0.14
3/2/2022		0.012	0.022	0.024	0.054	0.071	0.037	
3/9/2022	0.006 (J)							0.094

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
8/31/2011					<0.0025	<0.0025			
9/13/2011								<0.0025	<0.0025
9/16/2011	<0.0025		<0.0025						
9/17/2011		<0.0025		<0.0025					
10/27/2011	<0.0025	<0.0025				<0.0025			
10/28/2011			<0.0025	<0.0025				<0.0025	<0.0025
12/4/2011								<0.0025	<0.0025
12/12/2011			<0.0025	0.0015					
12/13/2011	<0.0025								
12/14/2011		<0.0025				<0.0025			
1/24/2012									<0.0025
1/25/2012			<0.0025						
1/31/2012	<0.0025			0.0016					
2/1/2012						<0.0025			
2/7/2012		<0.0025							
2/9/2012								<0.0025	
7/11/2012									<0.0025
7/16/2012			<0.0025						
7/17/2012				0.002					
7/18/2012	<0.0025							<0.0025	
7/23/2012		<0.0025				<0.0025			
1/8/2013								<0.0025	<0.0025
1/23/2013		<0.0025				<0.0025			
1/24/2013	<0.0025		<0.0025	0.0025					
7/9/2013								<0.0025	
7/10/2013									<0.0025
7/17/2013	<0.0025					<0.0025			
7/23/2013			<0.0025						
7/24/2013		<0.0025		0.0027					
1/15/2014						<0.0025		<0.0025	
1/21/2014	<0.0025								<0.0025
1/22/2014		<0.0025	0.00034 (J)	0.002					
6/25/2014	<0.0025				<0.0025	<0.0025		8.3E-05 (J)	
7/1/2014		<0.0025	0.00039 (J)						<0.0025
7/8/2014				0.0024 (D)					
1/14/2015	<0.0025					<0.0025			
1/21/2015			0.0005 (J)	0.0026				<0.0025	<0.0025
1/22/2015		0.00011 (J)							
7/21/2015	<0.0025		0.00042 (J)		<0.0025	<0.0025			
7/22/2015		<0.0025		0.0024					
7/28/2015								<0.0025	<0.0025
1/19/2016				0.0024 (D)					
1/20/2016		0.00012 (J)				<0.0025			
1/21/2016	7.5E-05 (J)								
1/22/2016			0.00044 (J)						
1/25/2016							<0.0025		
1/26/2016								<0.0025	<0.0025
3/22/2016			<0.0025	0.00194 (J)					
3/23/2016	<0.0025	<0.0025				<0.0025			
3/29/2016								<0.0025	<0.0025
3/30/2016							<0.0025		
3/31/2016					<0.0025				

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
5/19/2016				0.00188 (J)		<0.0025			
5/20/2016	<0.0025								
5/23/2016			<0.0025						
5/24/2016		<0.0025							
5/25/2016					<0.0025		<0.0025	<0.0025	<0.0025
7/21/2016	<0.0025			0.0021 (J)		<0.0025			
7/22/2016									<0.0025
7/25/2016			0.00037 (J)					<0.0025	
7/26/2016		<0.0025							
7/27/2016					<0.0025		<0.0025		
9/14/2016						<0.0025			
9/15/2016	<0.0025		0.00039 (J)						<0.0025
9/16/2016		<0.0025					<0.0025		
9/19/2016								<0.0025	
11/9/2016			0.00041 (J)						
11/10/2016		<0.0025				<0.0025			
11/11/2016	<0.0025								
11/16/2016								<0.0025	<0.0025
11/17/2016							<0.0025		
1/17/2017			0.0004 (J)	0.0024 (J)		<0.0025			
1/19/2017	<0.0025	<0.0025							
1/31/2017								<0.0025	<0.0025
2/1/2017							<0.0025		
3/16/2017	<0.0025		<0.0025			<0.0025			
3/17/2017		<0.0025							
3/23/2017								<0.0025	<0.0025
3/24/2017							<0.0025		
4/27/2017			0.00042 (J)	0.0019 (J)		<0.0025			
4/28/2017	<0.0025	<0.0025							
5/2/2017								<0.0025	
5/3/2017							<0.0025		<0.0025
7/18/2017				0.0018 (J)					
8/1/2017			0.0004 (J)	0.0019 (J)	<0.0025				
8/2/2017		<0.0025				<0.0025			
8/3/2017	<0.0025								
8/7/2017								<0.0025	<0.0025
8/8/2017							<0.0025		
10/3/2017					<0.0025				
1/19/2018	<0.0025	<0.0025	0.00045 (J)	0.0018 (J)					
1/22/2018						<0.0025			
1/24/2018								<0.0025	<0.0025
1/25/2018							<0.0025		
6/19/2018	<0.0025	<0.0025	0.00038 (J)	0.0021 (J)		<0.0025			
6/20/2018					<0.0025			<0.0025	
6/21/2018							<0.0025		
6/26/2018									<0.0025
1/17/2019	7.4E-05 (J)	<0.0025				<0.0025			
1/18/2019				0.0021 (J)	<0.0025				
1/21/2019			0.00041 (J)						
1/24/2019								0.00015 (J)	
1/25/2019									<0.0025
1/31/2019							<0.0025		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
6/24/2019	0.00029 (J)	0.00023 (J)				<0.0025			
6/25/2019			0.00039 (J)	0.0023	<0.0025				
6/26/2019							<0.0025	<0.0025	<0.0025
9/9/2019	0.00019 (J)								
9/10/2019		<0.0025	0.00049 (J)	0.0023		<0.0025			
9/11/2019					0.0003 (J)				0.00024 (J)
9/16/2019								<0.0025	
9/17/2019							<0.0025		
3/10/2020	0.00019 (J)	<0.0025	0.00051 (J)	0.002 (J)	<0.0025	<0.0025			
3/16/2020								0.00039 (J)	
3/17/2020							<0.0025		
3/18/2020									0.00029 (J)
9/9/2020	<0.0025		0.0003 (J)	0.0017 (J)	<0.0025	<0.0025			
9/10/2020		<0.0025					<0.0025	<0.0025	<0.0025
3/15/2021	<0.0025	<0.0025	0.00046 (J)	0.002 (J)	<0.0025	<0.0025			
3/16/2021									<0.0025
3/17/2021								<0.0025	
3/18/2021							<0.0025		
8/16/2021	<0.0025		0.00041 (J)						
8/18/2021		<0.0025		0.0021 (J)	<0.0025	<0.0025			
8/19/2021									<0.0025
8/20/2021							<0.0025		
8/23/2021								<0.0025	
2/28/2022	<0.0025								
3/1/2022		<0.0025	0.00042 (J)		<0.0025	<0.0025			
3/2/2022				0.002 (J)					
3/7/2022								<0.0025	<0.0025
3/8/2022							<0.0025		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
8/30/2011				<0.0025	<0.0025	<0.0025	<0.0025		
8/31/2011								<0.0025	<0.0025
9/13/2011	<0.0025	<0.0025							
9/16/2011			<0.0025						
10/26/2011				<0.0025	<0.0025	<0.0025	<0.0025		
10/27/2011		<0.0025	<0.0025					<0.0025	<0.0025
10/28/2011	<0.0025								
12/3/2011		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
12/4/2011	<0.0025							<0.0025	<0.0025
1/24/2012	<0.0025	<0.0025							
1/25/2012				<0.0025	<0.0025				
2/8/2012							<0.0025	<0.0025	<0.0025
2/9/2012			<0.0025			<0.0025			
7/11/2012	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
7/17/2012									<0.0025
1/8/2013	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
1/9/2013									<0.0025
7/2/2013			<0.0025	<0.0025					
7/10/2013	<0.0025	<0.0025							
7/16/2013					<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
1/14/2014				<0.0025	<0.0025	<0.0025			
1/21/2014	<0.0025	0.00012 (J)	<0.0025				<0.0025	<0.0025	<0.0025
6/24/2014			<0.0025			<0.0025	<0.0025	<0.0025	<0.0025
6/25/2014				<0.0025	<0.0025				
7/1/2014	<0.0025	<0.0025							
1/13/2015				<0.0025		<0.0025	<0.0025	<0.0025	<0.0025
1/14/2015		0.00015 (J)	<0.0025		<0.0025				
1/21/2015	<0.0025								
7/22/2015		0.00023 (J)	<0.0025	<0.0025					
7/23/2015						<0.0025	<0.0025	<0.0025	<0.0025
7/28/2015	<0.0025				<0.0025				
1/26/2016									<0.0025
1/27/2016	<0.0025	0.00011 (J)	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
3/29/2016	<0.0025								
3/30/2016		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
5/25/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025				
5/26/2016						<0.0025	<0.0025	<0.0025	<0.0025
7/25/2016						<0.0025	<0.0025	<0.0025	
7/26/2016	<0.0025	<0.0025	<0.0025						<0.0025
7/27/2016				<0.0025	<0.0025				
9/15/2016	<0.0025	0.00044 (J)							
9/16/2016				<0.0025					
9/19/2016					<0.0025	<0.0025	<0.0025		
9/20/2016			<0.0025					<0.0025	<0.0025
11/17/2016	<0.0025	0.00055 (J)	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
1/31/2017	<0.0025								
2/1/2017		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
2/2/2017							<0.0025	<0.0025	<0.0025
3/23/2017	<0.0025	<0.0025	<0.0025						
3/24/2017				<0.0025	<0.0025	<0.0025	<0.0025		
3/28/2017								<0.0025	<0.0025
5/3/2017	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
5/4/2017								<0.0025	<0.0025
8/4/2017	<0.0025		<0.0025						
8/7/2017		0.00059 (J)		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
1/25/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
1/26/2018								<0.0025	<0.0025
6/20/2018	<0.0025	0.00064 (J)	<0.0025	<0.0025					<0.0025
6/21/2018						<0.0025	<0.0025	<0.0025	
6/26/2018					<0.0025				
1/22/2019	<0.0025	0.0004 (J)	<0.0025						
1/24/2019					<0.0025				7.9E-05 (J)
1/25/2019				7.2E-05 (J)					
1/28/2019						<0.0025	0.00011 (J)	<0.0025	
6/25/2019	<0.0025	0.00041 (J)	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025
6/26/2019							<0.0025		
6/27/2019						<0.0025			
9/11/2019				0.00024 (J)	0.00018 (J)	0.00019 (J)		<0.0025	0.0002 (J)
9/12/2019	<0.0025	0.00092 (J)					<0.0025		
9/17/2019			<0.0025						
3/12/2020	<0.0025								
3/16/2020			<0.0025						
3/17/2020		0.00059 (J)		<0.0025	<0.0025	<0.0025			
3/18/2020							<0.0025	<0.0025	<0.0025
9/10/2020	<0.0025	0.00064 (J)	0.00022 (J)						
9/11/2020				<0.0025					
9/14/2020					<0.0025	<0.0025			
9/15/2020							<0.0025	<0.0025	<0.0025
3/16/2021					<0.0025	<0.0025		0.00041 (J)	<0.0025
3/17/2021	<0.0025	0.00074 (J)		<0.0025			0.00046 (J)		
3/18/2021			<0.0025						
8/19/2021									<0.0025
8/20/2021				<0.0025	<0.0025				
8/23/2021	<0.0025	0.00026 (J)							
8/24/2021			<0.0025			<0.0025	<0.0025	<0.0025	
3/7/2022		0.00051 (J)	<0.0025					<0.0025	<0.0025
3/8/2022	<0.0025			<0.0025	<0.0025	<0.0025	<0.0025		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
9/15/2011	<0.0025						<0.0025		<0.0025
9/16/2011		<0.0025							
9/17/2011				<0.0025	<0.0025	0.0066		<0.0025	
10/28/2011							<0.0025		
10/29/2011	<0.0025	<0.0025			<0.0025	0.0055			
10/31/2011				<0.0025				<0.0025	<0.0025
12/13/2011	<0.0025	<0.0025					<0.0025		<0.0025
12/14/2011				<0.0025	<0.0025	0.0058			
1/25/2012	<0.0025					0.006			
1/31/2012		<0.0025							
2/1/2012									<0.0025
2/7/2012				<0.0025	<0.0025			<0.0025	
2/8/2012							<0.0025		
7/17/2012				<0.0025	<0.0025	<0.0025			<0.0025
7/18/2012	<0.0025	<0.0025					<0.0025		
1/22/2013	<0.0025	<0.0025							
1/23/2013								<0.0025	<0.0025
1/24/2013					<0.0025	<0.0025	<0.0025		
7/16/2013	<0.0025								
7/23/2013		<0.0025							
7/24/2013				<0.0025	<0.0025	0.0027	<0.0025		<0.0025
1/21/2014	<0.0025								
1/22/2014		<0.0025							
1/23/2014				<0.0025	<0.0025	0.0047	<0.0025	0.00099 (J)	0.00068 (J)
6/25/2014	<0.0025								
7/1/2014		<0.0025					<0.0025	0.0011 (J)	0.00062 (J)
7/8/2014			8.3E-05 (J)	<0.0025	<0.0025	0.005			
1/14/2015	<0.0025								
1/20/2015							<0.0025		0.00066 (J)
1/21/2015				<0.0025	<0.0025	0.0053		0.00082 (J)	
1/22/2015		<0.0025							
7/23/2015	<0.0025								
7/29/2015		8E-05 (J)							
7/30/2015				<0.0025		0.0013	<0.0025		0.001 (J)
7/31/2015			0.00012 (J)		<0.0025				
1/19/2016							9E-05 (J)		
1/20/2016			9.3E-05 (J)						
1/21/2016		<0.0025		<0.0025					
1/22/2016						0.00038 (J)			
1/25/2016					<0.0025			0.00061 (J)	0.00066 (J)
1/26/2016	<0.0025								
3/23/2016						0.00229 (J)	<0.0025		0.000735 (J)
3/24/2016					<0.0025				
3/28/2016				<0.0025					
3/29/2016		<0.0025							
3/30/2016			<0.0025					<0.0025	
3/31/2016	<0.0025								
5/20/2016							<0.0025		
5/24/2016						<0.0025			0.00134 (J)
5/25/2016		<0.0025	<0.0025	<0.0025	<0.0025			<0.0025	
5/26/2016	<0.0025								
7/21/2016							<0.0025		

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
7/22/2016									0.0012 (J)
7/26/2016	<0.0025				<0.0025	0.0015 (J)			
7/27/2016		<0.0025	<0.0025	<0.0025				0.00076 (J)	
9/16/2016			<0.0025						0.0015 (J)
9/19/2016				<0.0025	<0.0025	0.0013 (J)			
9/20/2016	<0.0025	<0.0025					<0.0025		
11/11/2016						0.0057			
11/14/2016					<0.0025		<0.0025		
11/15/2016				<0.0025					0.0015 (J)
11/17/2016	<0.0025								
11/18/2016		<0.0025	<0.0025						
1/19/2017					<0.0025				
1/20/2017						0.003			
1/24/2017				<0.0025			<0.0025		
1/25/2017								0.00064 (J)	
1/26/2017									0.001 (J)
2/3/2017	<0.0025	<0.0025	<0.0025						
3/16/2017					<0.0025	0.0018 (J)			
3/17/2017							<0.0025		
3/23/2017				<0.0025				0.00067 (J)	
3/24/2017									0.0016 (J)
3/28/2017	<0.0025	<0.0025							
3/29/2017			<0.0025						
4/28/2017						0.00075 (J)			
5/1/2017					<0.0025		<0.0025		
5/2/2017				<0.0025				0.00077 (J)	0.0012 (J)
5/3/2017	<0.0025								
5/4/2017		<0.0025	<0.0025						
7/19/2017								0.00083 (J)	
8/3/2017				<0.0025	<0.0025	0.005			0.0018 (J)
8/4/2017							<0.0025	0.0011 (J)	
8/8/2017	<0.0025	<0.0025	<0.0025						
1/19/2018						0.0057			
1/22/2018					<0.0025				
1/23/2018								0.001 (J)	0.0018 (J)
1/24/2018							<0.0025		
1/25/2018	<0.0025	<0.0025	<0.0025	<0.0025					
6/20/2018	<0.0025	<0.0025							
6/21/2018							<0.0025		
6/26/2018									0.0015 (J)
6/27/2018			<0.0025	<0.0025	<0.0025	0.005		0.00071 (J)	
1/24/2019	<0.0025			6.7E-05 (J)	8.1E-05 (J)	0.00039 (J)			
1/25/2019		<0.0025							
1/30/2019							<0.0025		0.0016 (J)
1/31/2019			<0.0025					0.00057 (J)	
6/25/2019	0.00017 (J)			<0.0025	<0.0025				
6/26/2019		<0.0025	0.00017 (J)			0.0056		0.00084 (J)	
6/27/2019							<0.0025		0.0017
9/10/2019	<0.0025						<0.0025		
9/11/2019			<0.0025	0.00019 (J)				0.00092 (J)	
9/12/2019		<0.0025			<0.0025	0.0012			0.0019
1/14/2020									0.0015

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
3/11/2020							<0.0025		
3/12/2020			0.0002 (J)	<0.0025		0.00038 (J)			
3/13/2020					0.00019 (J)				
3/17/2020								0.0004 (J)	
3/18/2020	0.00038 (J)	<0.0025							0.0014 (J)
9/9/2020						0.0034			
9/10/2020	<0.0025	<0.0025					<0.0025		
9/11/2020								0.00068 (J)	
9/14/2020				<0.0025					
9/15/2020			<0.0025		<0.0025				0.0018 (J)
3/15/2021	0.0002 (J)								
3/16/2021								0.0006 (J)	
3/17/2021				<0.0025	<0.0025				0.0013 (J)
3/18/2021		0.00052 (J)	0.00024 (J)			0.0043	<0.0025		
8/19/2021	<0.0025		<0.0025	<0.0025	<0.0025				
8/23/2021		<0.0025				0.0015 (J)	<0.0025		
8/24/2021									0.0011 (J)
8/25/2021								0.00072 (J)	
3/2/2022							<0.0025		
3/8/2022	<0.0025			<0.0025		0.0048			
3/9/2022		<0.0025			<0.0025				0.001 (J)
3/10/2022			<0.0025					0.00074 (J)	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
8/31/2011				<0.0025	<0.0025			
9/7/2011						<0.0025	<0.0025	<0.0025
9/16/2011	<0.0025	<0.0025	<0.0025					
10/27/2011				<0.0025				
10/30/2011	<0.0025				<0.0025	<0.0025	<0.0025	<0.0025
10/31/2011		<0.0025	<0.0025					
12/4/2011								<0.0025
12/5/2011				<0.0025	<0.0025	<0.0025	<0.0025	
12/12/2011		<0.0025	<0.0025					
12/13/2011	<0.0025							
1/19/2012							<0.0025	<0.0025
1/25/2012				<0.0025	<0.0025	<0.0025		
2/1/2012	<0.0025	<0.0025	<0.0025					
7/16/2012		<0.0025	<0.0025					
7/17/2012	<0.0025							
7/18/2012				<0.0025		<0.0025	<0.0025	<0.0025
7/24/2012					<0.0025			
1/7/2013						<0.0025	<0.0025	
1/8/2013					<0.0025			<0.0025
1/9/2013				<0.0025				
1/22/2013		<0.0025	<0.0025					
1/23/2013	<0.0025							
7/2/2013			<0.0025					
7/9/2013					<0.0025	<0.0025	<0.0025	<0.0025
7/17/2013	<0.0025	<0.0025		<0.0025				
1/14/2014						<0.0025	<0.0025	0.00012 (J)
1/15/2014				<0.0025	<0.0025			
1/21/2014			<0.0025					
1/23/2014	0.00054 (J)	<0.0025						
6/24/2014						<0.0025	<0.0025	0.00014 (J)
6/25/2014		<0.0025	<0.0025	<0.0025	<0.0025			
1/13/2015				<0.0025				
1/14/2015		<0.0025	<0.0025					
1/20/2015	0.00091 (J)				<0.0025	<0.0025	<0.0025	0.00014 (J)
7/24/2015				<0.0025	<0.0025			
7/27/2015						<0.0025	<0.0025	0.00012 (J)
7/28/2015			8.5E-05 (J)					
7/29/2015	0.0011 (J)	0.00011 (J)						
1/20/2016				<0.0025	7.8E-05 (J)			
1/21/2016		0.00012 (J)	8.5E-05 (J)					
1/25/2016	0.00075 (J)							
1/26/2016						<0.0025	<0.0025	<0.0025
3/23/2016	0.000892 (J)							
3/24/2016		<0.0025	<0.0025					
3/28/2016				<0.0025	<0.0025			
3/29/2016						<0.0025	<0.0025	<0.0025
5/23/2016		<0.0025	<0.0025	<0.0025				
5/24/2016	0.00065 (J)				<0.0025	<0.0025	<0.0025	<0.0025
7/21/2016		<0.0025	<0.0025	<0.0025	<0.0025			
7/22/2016	0.0011 (J)					<0.0025		
7/25/2016								<0.0025
7/26/2016							<0.0025	

Time Series

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
9/15/2016		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
9/16/2016	0.001 (J)							
9/19/2016							<0.0025	<0.0025
11/15/2016		<0.0025	<0.0025	<0.0025				
11/16/2016					<0.0025	<0.0025	<0.0025	<0.0025
11/17/2016	0.00046 (J)							
1/25/2017	<0.0025	<0.0025						
1/26/2017			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
1/31/2017								<0.0025
3/22/2017		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
3/23/2017	0.00077 (J)						<0.0025	<0.0025
5/1/2017	0.00062 (J)	<0.0025						
5/2/2017			<0.0025	<0.0025	<0.0025	<0.0025		<0.0025
5/3/2017							<0.0025	
8/3/2017		<0.0025	<0.0025	<0.0025	<0.0025			
8/4/2017	0.00051 (J)					<0.0025		
8/7/2017							<0.0025	<0.0025
1/23/2018	0.00034 (J)	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
1/24/2018							<0.0025	<0.0025
6/19/2018			<0.0025					
6/20/2018		<0.0025						
6/21/2018							<0.0025	<0.0025
6/25/2018				<0.0025	<0.0025	<0.0025		
6/26/2018	<0.0025							
1/21/2019			<0.0025			<0.0025		
1/22/2019							5.8E-05 (J)	7.9E-05 (J)
1/28/2019		6.1E-05 (J)						
1/30/2019	0.00036 (J)			<0.0025	<0.0025			
6/25/2019						<0.0025	<0.0025	<0.0025
6/26/2019	0.00027 (J)	0.00032 (J)	0.00022 (J)	<0.0025	<0.0025			
9/10/2019						<0.0025	<0.0025	
9/11/2019		<0.0025						
9/12/2019	0.00044 (J)		<0.0025	<0.0025	<0.0025			
9/16/2019								<0.0025
3/11/2020		<0.0025	<0.0025					
3/12/2020	0.00049 (J)					<0.0025	0.00061 (J)	
3/16/2020				<0.0025	<0.0025			0.00041 (J)
9/9/2020				<0.0025				
9/11/2020		<0.0025	0.00024 (J)		<0.0025			<0.0025
9/14/2020						<0.0025	<0.0025	
9/16/2020	0.00027 (J)							
3/16/2021		<0.0025	<0.0025			<0.0025	<0.0025	<0.0025
3/17/2021				<0.0025	<0.0025			
3/18/2021	0.0002 (J)							
8/18/2021			<0.0025		<0.0025			
8/19/2021				<0.0025		<0.0025		
8/20/2021							<0.0025	
8/24/2021	<0.0025	<0.0025						
8/25/2021								<0.0025
3/2/2022		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
3/9/2022	<0.0025							<0.0025

Time Series

Constituent: Boron, total (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
3/22/2016			<0.08	<0.08					
3/23/2016	<0.08	<0.08				<0.08			
3/29/2016								<0.08	<0.08
3/30/2016							<0.08		
3/31/2016					<0.08				
5/19/2016				<0.08		<0.08			
5/20/2016	<0.08								
5/23/2016			<0.08						
5/24/2016		<0.08							
5/25/2016					<0.08		<0.08	<0.08	<0.08
7/21/2016	<0.08			<0.08		<0.08			
7/22/2016									<0.08
7/25/2016			<0.08					<0.08	
7/26/2016		<0.08							
7/27/2016					<0.08		<0.08		
9/14/2016						<0.08			
9/15/2016	<0.08		<0.08						<0.08
9/16/2016		<0.08					<0.08		
9/19/2016								<0.08	
11/9/2016			<0.08						
11/10/2016		<0.08				<0.08			
11/11/2016	<0.08								
11/16/2016								<0.08	<0.08
11/17/2016							<0.08		
1/17/2017			<0.08	<0.08		<0.08			
1/19/2017	<0.08	<0.08							
1/31/2017								<0.08	<0.08
2/1/2017							<0.08		
3/16/2017	<0.08		<0.08			<0.08			
3/17/2017		<0.08							
3/23/2017								<0.08	<0.08
3/24/2017							<0.08		
4/27/2017			<0.08	<0.08		<0.08			
4/28/2017	<0.08	<0.08							
5/2/2017								<0.08	
5/3/2017							<0.08		<0.08
7/18/2017				0.027 (J)					
8/1/2017				<0.08	<0.08				
10/3/2017		<0.08	<0.08	<0.08	<0.08	<0.08			
10/4/2017	<0.08						<0.08	0.022 (J)	0.022 (J)
1/19/2018	<0.08	<0.08	<0.08	<0.08					
1/22/2018						<0.08			
1/24/2018								<0.08	0.023 (J)
1/25/2018							<0.08		
6/19/2018	<0.08	<0.08	<0.08	<0.08		<0.08			
6/20/2018					<0.08			<0.08	
6/21/2018							<0.08		
6/26/2018									0.024 (J)
9/25/2018	<0.08	<0.08	<0.08	<0.08		<0.08			
9/27/2018							<0.08	<0.08	
9/28/2018									<0.08
1/17/2019	<0.08	<0.08				<0.08			

Time Series

Constituent: Boron, total (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
1/18/2019				<0.08	<0.08				
1/21/2019			<0.08						
1/24/2019								<0.08	
1/25/2019									0.036 (J)
1/31/2019							<0.08		
6/24/2019	0.034 (J)	<0.08				<0.08			
6/25/2019			<0.08	<0.08	<0.08				
6/26/2019							0.053 (J)	<0.08	0.057 (J)
9/9/2019	<0.08								
9/10/2019		<0.08	<0.08	<0.08		<0.08			
9/11/2019					<0.08				0.042 (J)
9/16/2019								<0.08	
9/17/2019							<0.08		
3/10/2020	0.041 (J)	<0.08	<0.08	<0.08	<0.08	<0.08			
3/16/2020								<0.08	
3/17/2020							<0.08		
3/18/2020									0.058 (J)
9/9/2020	<0.08		<0.08	<0.08	<0.08	<0.08			
9/10/2020		<0.08					<0.08	<0.08	0.043 (J)
3/15/2021	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08			
3/16/2021									<0.08
3/17/2021								<0.08	
3/18/2021							<0.08		
8/16/2021	<0.08		<0.08						
8/18/2021		<0.08		<0.08	<0.08	<0.08			
8/19/2021									0.077 (J)
8/20/2021							<0.08		
8/23/2021								<0.08	
2/28/2022	<0.08								
3/1/2022		<0.08	<0.08		<0.08	<0.08			
3/2/2022				<0.08					
3/7/2022								0.067 (J)	0.11
3/8/2022							<0.08		

Time Series

Constituent: Boron, total (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
3/29/2016	<0.08								
3/30/2016		0.291	0.0787 (J)	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
5/25/2016	<0.08	0.443	0.0536 (J)	<0.08	<0.08				
5/26/2016						<0.08	<0.08	<0.08	<0.08
7/25/2016						<0.08	<0.08	<0.08	
7/26/2016	<0.08	1.1	<0.08						<0.08
7/27/2016				<0.08	<0.08				
9/15/2016	<0.08	0.61							
9/16/2016				<0.08					
9/19/2016					<0.08	<0.08	<0.08		
9/20/2016			<0.08					<0.08	<0.08
11/17/2016	<0.08	1	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
1/31/2017	<0.08								
2/1/2017		0.29	0.023 (J)	<0.08	<0.08	<0.08			
2/2/2017							<0.08	<0.08	<0.08
3/23/2017	<0.08	0.44	0.042 (J)						
3/24/2017				<0.08	<0.08	<0.08	<0.08		
3/28/2017								<0.08	<0.08
5/3/2017	<0.08	0.44	0.034 (J)	<0.08	<0.08	<0.08	<0.08		
5/4/2017								<0.08	<0.08
10/4/2017		0.95	0.044 (J)		<0.08				
10/5/2017	<0.08			<0.08		<0.08	<0.08		
10/6/2017								<0.08	<0.08
1/25/2018	<0.08	0.43	0.052	<0.08	<0.08	<0.08	<0.08		
1/26/2018								<0.08	<0.08
6/20/2018	<0.08	1.2	<0.08	<0.08					<0.08
6/21/2018						<0.08	<0.08	<0.08	
6/26/2018					<0.08				
9/27/2018							<0.08	<0.08	<0.08
9/28/2018						<0.08			
10/1/2018		0.57	0.03 (J)	<0.08					
10/2/2018	<0.08				<0.08				
1/22/2019	<0.08	0.63	0.1						
1/24/2019					<0.08				<0.08
1/25/2019				<0.08					
1/28/2019						<0.08	<0.08	<0.08	
6/25/2019	<0.08	0.71	0.066 (J)	<0.08	<0.08			<0.08	<0.08
6/26/2019							0.036 (J)		
6/27/2019						<0.08			
9/11/2019				<0.08	<0.08	<0.08		<0.08	<0.08
9/12/2019	<0.08	1.8					<0.08		
9/17/2019			<0.08						
3/12/2020	<0.08								
3/16/2020			0.14						
3/17/2020		1.2		<0.08	<0.08	<0.08			
3/18/2020							<0.08	<0.08	<0.08
9/10/2020	<0.08	1.1	0.064 (J)						
9/11/2020				<0.08					
9/14/2020					<0.08	<0.08			
9/15/2020							<0.08	<0.08	<0.08
3/16/2021					<0.08	<0.08		<0.08	<0.08
3/17/2021	<0.08	1		<0.08			<0.08		

Time Series

Constituent: Boron, total (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
3/18/2021			0.071 (J)						
8/19/2021									0.047 (J)
8/20/2021				<0.08	<0.08				
8/23/2021	<0.08	0.61							
8/24/2021			0.047 (J)			<0.08	<0.08	<0.08	
3/7/2022		1	0.14					<0.08	<0.08
3/8/2022	<0.08			<0.08	<0.08	<0.08	<0.08		

Time Series

Constituent: Boron, total (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
3/23/2016						<0.08	<0.08		<0.08
3/24/2016					<0.08				
3/28/2016				<0.08					
3/29/2016		<0.08							
3/30/2016			<0.08					<0.08	
3/31/2016	<0.08								
5/20/2016							<0.08		
5/24/2016						<0.08			<0.08
5/25/2016		<0.08	<0.08	<0.08	<0.08			<0.08	
5/26/2016	<0.08								
7/21/2016							<0.08		
7/22/2016									<0.08
7/26/2016	<0.08				<0.08	<0.08			
7/27/2016		<0.08	<0.08	<0.08				<0.08	
9/16/2016			<0.08						<0.08
9/19/2016				<0.08	<0.08	<0.08			
9/20/2016	<0.08	<0.08					<0.08		
11/11/2016						<0.08			
11/14/2016					<0.08		<0.08		
11/15/2016				<0.08					<0.08
11/17/2016	<0.08								
11/18/2016		<0.08	<0.08						
1/19/2017					<0.08				
1/20/2017						<0.08			
1/24/2017				<0.08			<0.08		
1/25/2017								<0.08	
1/26/2017									<0.08
2/3/2017	<0.08	<0.08	<0.08						
3/16/2017					<0.08	<0.08			
3/17/2017							<0.08		
3/23/2017				<0.08				<0.08	
3/24/2017									<0.08
3/28/2017	<0.08	<0.08							
3/29/2017			<0.08						
4/28/2017						<0.08			
5/1/2017					<0.08		<0.08		
5/2/2017				<0.08				<0.08	<0.08
5/3/2017	<0.08								
5/4/2017		<0.08	<0.08						
7/19/2017								<0.08	
8/4/2017								<0.08	
10/3/2017						<0.08			
10/4/2017					<0.08		<0.08		
10/5/2017	<0.08	<0.08	<0.08	<0.08					
10/6/2017								<0.08	<0.08
1/19/2018						<0.08			
1/22/2018					<0.08				
1/23/2018								<0.08	<0.08
1/24/2018							<0.08		
1/25/2018	<0.08	<0.08	<0.08	<0.08					
6/20/2018	<0.08	<0.08							
6/21/2018							<0.08		

Time Series

Constituent: Boron, total (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
6/26/2018									<0.08
6/27/2018			<0.08	<0.08	<0.08	<0.08		<0.08	
9/26/2018				0.023 (J)					
9/27/2018					<0.08	<0.08			
9/28/2018			<0.08						
10/1/2018	<0.08	<0.08							
10/2/2018									<0.08
10/3/2018							<0.08	<0.08	
1/24/2019	<0.08			<0.08	<0.08	<0.08			
1/25/2019		<0.08							
1/30/2019							<0.08		<0.08
1/31/2019			<0.08					<0.08	
6/25/2019	<0.08			<0.08	<0.08				
6/26/2019		<0.08	<0.08			<0.08		<0.08	
6/27/2019							<0.08		<0.08
9/10/2019	<0.08						<0.08		
9/11/2019			0.053 (J)	<0.08				<0.08	
9/12/2019		<0.08			<0.08	<0.08			<0.08
3/11/2020							<0.08		
3/12/2020			<0.08	<0.08		<0.08			
3/13/2020					<0.08				
3/17/2020								<0.08	
3/18/2020	0.041 (J)	<0.08							<0.08
9/9/2020						<0.08			
9/10/2020	<0.08	<0.08					<0.08		
9/11/2020								<0.08	
9/14/2020				<0.08					
9/15/2020			<0.08		<0.08				<0.08
3/15/2021	<0.08								
3/16/2021								<0.08	
3/17/2021				<0.08	<0.08				<0.08
3/18/2021		<0.08	<0.08			<0.08	<0.08		
8/19/2021	<0.08		<0.08	<0.08	<0.08				
8/23/2021		<0.08				<0.08	<0.08		
8/24/2021									<0.08
8/25/2021								<0.08	
3/2/2022							<0.08		
3/8/2022	<0.08			<0.08		<0.08			
3/9/2022		<0.08			0.066 (J)				<0.08
3/10/2022			<0.08					<0.08	

Time Series

Constituent: Boron, total (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/23/2016	<0.08							
3/24/2016		<0.08	<0.08					
3/28/2016				<0.08	<0.08			
3/29/2016						<0.08	<0.08	0.0635 (J)
5/23/2016		<0.08	<0.08	<0.08				
5/24/2016	<0.08				<0.08	<0.08	0.022 (J)	0.0981 (J)
7/21/2016		<0.08	<0.08	<0.08	<0.08			
7/22/2016	<0.08					<0.08		
7/25/2016								0.26
7/26/2016							<0.08	
9/15/2016		<0.08	<0.08	<0.08	<0.08	<0.08		
9/16/2016	<0.08							
9/19/2016							<0.08	0.38
11/15/2016		<0.08	<0.08	<0.08				
11/16/2016					<0.08	<0.08	<0.08	0.44
11/17/2016	0.023 (J)							
1/25/2017	<0.08	<0.08						
1/26/2017			<0.08	<0.08	<0.08	<0.08	<0.08	
1/31/2017								0.11
3/22/2017		<0.08	<0.08	<0.08	<0.08	<0.08		
3/23/2017	<0.08						<0.08	0.071
5/1/2017	<0.08	<0.08						
5/2/2017			<0.08	<0.08	<0.08	<0.08		0.089
5/3/2017							<0.08	
8/4/2017	<0.08							
10/3/2017		<0.08	<0.08	<0.08	<0.08	<0.08		0.12
10/5/2017	0.025 (J)						<0.08	
1/23/2018	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08		
1/24/2018							<0.08	0.044 (J)
6/19/2018			<0.08					
6/20/2018		<0.08						
6/21/2018							<0.08	0.07
6/25/2018				<0.08	<0.08	<0.08		
6/26/2018	<0.08							
9/25/2018					<0.08			
9/26/2018							<0.08	0.14
10/1/2018			<0.08					
10/2/2018	<0.08	<0.08				<0.08		
10/3/2018				<0.08				
1/21/2019			<0.08			<0.08		
1/22/2019							<0.08	0.038 (J)
1/28/2019		<0.08						
1/30/2019	<0.08			<0.08	<0.08			
6/25/2019						<0.08	<0.08	0.068 (J)
6/26/2019	<0.08	<0.08	<0.08	0.045 (J)	0.044 (J)			
9/10/2019						<0.08	<0.08	
9/11/2019		<0.08						
9/12/2019	<0.08		<0.08	<0.08	<0.08			
9/16/2019								0.19
3/11/2020		<0.08	<0.08					
3/12/2020	<0.08					<0.08	<0.08	
3/16/2020				<0.08	<0.08			0.052 (J)

Time Series

Constituent: Boron, total (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
9/9/2020				<0.08				
9/11/2020		<0.08	<0.08		<0.08			0.14
9/14/2020						<0.08	<0.08	
9/16/2020	<0.08							
3/16/2021		<0.08	<0.08			<0.08	<0.08	0.05 (J)
3/17/2021				<0.08	<0.08			
3/18/2021	<0.08							
8/18/2021			<0.08		<0.08			
8/19/2021				<0.08		<0.08		
8/20/2021							0.04 (J)	
8/24/2021	<0.08	<0.08						
8/25/2021								0.083
3/2/2022		<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	
3/9/2022	<0.08							<0.08

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
8/31/2011					<0.0025	<0.0025			
9/13/2011								<0.0025	<0.0025
9/16/2011	<0.0025		<0.0025						
9/17/2011		<0.0025		<0.0025					
10/27/2011	<0.0025	<0.0025				<0.0025			
10/28/2011			<0.0025	<0.0025				<0.0025	<0.0025
12/4/2011								<0.0025	<0.0025
12/12/2011			<0.0025	<0.0025					
12/13/2011	<0.0025								
12/14/2011		<0.0025				<0.0025			
1/24/2012									<0.0025
1/25/2012			<0.0025						
1/31/2012	<0.0025			<0.0025					
2/1/2012						<0.0025			
2/7/2012		<0.0025							
2/9/2012								<0.0025	
7/11/2012									<0.0025
7/16/2012			<0.0025						
7/17/2012				<0.0025					
7/18/2012	<0.0025							<0.0025	
7/23/2012		<0.0025				<0.0025			
1/8/2013								<0.0025	<0.0025
1/23/2013		<0.0025				<0.0025			
1/24/2013	<0.0025		<0.0025	<0.0025					
7/9/2013								<0.0025	
7/10/2013									<0.0025
7/17/2013	<0.0025					<0.0025			
7/23/2013			<0.0025						
7/24/2013		<0.0025		<0.0025					
1/15/2014						<0.0025		<0.0025	
1/21/2014	<0.0025								<0.0025
1/22/2014		<0.0025	<0.0025	<0.0025					
6/25/2014	<0.0025				<0.0025	<0.0025		<0.0025	
7/1/2014		<0.0025	<0.0025						<0.0025
7/8/2014				<0.0025 (D)					
1/14/2015	<0.0025					<0.0025			
1/21/2015			<0.0025	<0.0025				0.0014	<0.0025
1/22/2015		<0.0025							
7/21/2015	<0.0025		<0.0025		0.00042 (J)	<0.0025			
7/22/2015		<0.0025		<0.0025					
7/28/2015								0.0022	<0.0025
1/19/2016				<0.0025 (D)					
1/20/2016		<0.0025				<0.0025			
1/21/2016	<0.0025								
1/22/2016			<0.0025						
1/25/2016							<0.0025		
1/26/2016								<0.0025	<0.0025
3/22/2016			<0.0025	<0.0025					
3/23/2016	<0.0025	<0.0025				<0.0025			
3/29/2016								<0.0025	<0.0025
3/30/2016							<0.0025		
3/31/2016					0.000546 (J)				

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
5/19/2016				0.000111 (J)		<0.0025			
5/20/2016	<0.0025								
5/23/2016			<0.0025						
5/24/2016		<0.0025							
5/25/2016					0.000137 (J)		<0.0025	<0.0025	<0.0025
7/21/2016	<0.0025			<0.0025		<0.0025			
7/22/2016									<0.0025
7/25/2016			<0.0025					<0.0025	
7/26/2016		<0.0025							
7/27/2016					<0.0025		<0.0025		
9/14/2016						<0.0025			
9/15/2016	<0.0025		<0.0025						<0.0025
9/16/2016		<0.0025					<0.0025		
9/19/2016								<0.0025	
11/9/2016			<0.0025						
11/10/2016		<0.0025				<0.0025			
11/11/2016	<0.0025								
11/16/2016								<0.0025	<0.0025
11/17/2016							<0.0025		
1/17/2017			<0.0025	<0.0025		<0.0025			
1/19/2017	<0.0025	<0.0025							
1/31/2017								<0.0025	<0.0025
2/1/2017							<0.0025		
3/16/2017	<0.0025		<0.0025			<0.0025			
3/17/2017		<0.0025							
3/23/2017								<0.0025	<0.0025
3/24/2017							<0.0025		
4/27/2017			<0.0025	<0.0025		<0.0025			
4/28/2017	<0.0025	<0.0025							
5/2/2017								<0.0025	
5/3/2017							<0.0025		<0.0025
7/18/2017				<0.0025					
8/1/2017			<0.0025	<0.0025	<0.0025				
8/2/2017		<0.0025				<0.0025			
8/3/2017	<0.0025								
8/7/2017								<0.0025	<0.0025
8/8/2017							<0.0025		
10/3/2017					<0.0025				
1/19/2018	<0.0025	<0.0025	<0.0025	<0.0025					
1/22/2018						<0.0025			
1/24/2018								<0.0025	<0.0025
1/25/2018							<0.0025		
6/19/2018	0.0005 (J)	<0.0025	<0.0025	<0.0025		<0.0025			
6/20/2018					<0.0025			<0.0025	
6/21/2018							<0.0025		
6/26/2018									<0.0025
1/17/2019	<0.0025	<0.0025				<0.0025			
1/18/2019				<0.0025	<0.0025				
1/21/2019			<0.0025						
1/24/2019								<0.0025	
1/25/2019									<0.0025
1/31/2019							<0.0025		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
6/24/2019	<0.0025	<0.0025				<0.0025			
6/25/2019			<0.0025	<0.0025	0.00014 (J)				
6/26/2019							<0.0025	<0.0025	<0.0025
9/9/2019	<0.0025								
9/10/2019		<0.0025	<0.0025	<0.0025		<0.0025			
9/11/2019					<0.0025				<0.0025
9/16/2019								<0.0025	
9/17/2019							<0.0025		
3/10/2020	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
3/16/2020								0.00033 (J)	
3/17/2020							<0.0025		
3/18/2020									<0.0025
9/9/2020	<0.0025		<0.0025	<0.0025	<0.0025	<0.0025			
9/10/2020		<0.0025					<0.0025	<0.0025	<0.0025
3/15/2021	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
3/16/2021									<0.0025
3/17/2021								<0.0025	
3/18/2021							<0.0025		
8/16/2021	<0.0025		<0.0025						
8/18/2021		<0.0025		<0.0025	<0.0025	<0.0025			
8/19/2021									<0.0025
8/20/2021							<0.0025		
8/23/2021								<0.0025	
2/28/2022	<0.0025								
3/1/2022		<0.0025	<0.0025		<0.0025	<0.0025			
3/2/2022				<0.0025					
3/7/2022								<0.0025	<0.0025
3/8/2022							<0.0025		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
8/30/2011				<0.0025	<0.0025	<0.0025	<0.0025		
8/31/2011								<0.0025	<0.0025
9/13/2011	<0.0025	<0.0025							
9/16/2011			<0.0025						
10/26/2011				<0.0025	<0.0025	<0.0025	<0.0025		
10/27/2011		<0.0025	<0.0025					<0.0025	<0.0025
10/28/2011	<0.0025								
12/3/2011		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
12/4/2011	<0.0025							<0.0025	<0.0025
1/24/2012	<0.0025	<0.0025							
1/25/2012				<0.0025	<0.0025				
2/8/2012							<0.0025	<0.0025	<0.0025
2/9/2012			<0.0025			<0.0025			
7/11/2012	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
7/17/2012									<0.0025
1/8/2013	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
1/9/2013									<0.0025
7/2/2013			<0.0025	<0.0025					
7/10/2013	<0.0025	<0.0025							
7/16/2013					<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
1/14/2014				<0.0025	<0.0025	<0.0025			
1/21/2014	<0.0025	<0.0025	<0.0025				<0.0025	<0.0025	0.00029
6/24/2014			<0.0025			<0.0025	<0.0025	<0.0025	<0.0025
6/25/2014				<0.0025	<0.0025				
7/1/2014	<0.0025	<0.0025							
1/13/2015				<0.0025		<0.0025	<0.0025	<0.0025	<0.0025
1/14/2015		<0.0025	<0.0025		<0.0025				
1/21/2015	<0.0025								
7/22/2015		0.00028 (J)	<0.0025	<0.0025					
7/23/2015						<0.0025	<0.0025	<0.0025	<0.0025
7/28/2015	<0.0025				<0.0025				
1/26/2016									<0.0025
1/27/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
3/29/2016	<0.0025								
3/30/2016		0.000222 (J)	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
5/25/2016	<0.0025	0.000327 (J)	<0.0025	<0.0025	<0.0025				
5/26/2016						<0.0025	<0.0025	<0.0025	<0.0025
7/25/2016						<0.0025	<0.0025	<0.0025	
7/26/2016	<0.0025	<0.0025	<0.0025						<0.0025
7/27/2016				<0.0025	<0.0025				
9/15/2016	<0.0025	0.00053 (J)							
9/16/2016				<0.0025					
9/19/2016					<0.0025	<0.0025	<0.0025		
9/20/2016			<0.0025					<0.0025	<0.0025
11/17/2016	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
1/31/2017	<0.0025								
2/1/2017		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
2/2/2017							<0.0025	<0.0025	<0.0025
3/23/2017	<0.0025	<0.0025	<0.0025						
3/24/2017				<0.0025	<0.0025	<0.0025	<0.0025		
3/28/2017								<0.0025	<0.0025
5/3/2017	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
5/4/2017								<0.0025	<0.0025
8/4/2017	<0.0025		<0.0025						
8/7/2017		0.00051 (J)		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
1/25/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
1/26/2018								<0.0025	<0.0025
6/20/2018	<0.0025	0.00047 (J)	<0.0025	<0.0025					<0.0025
6/21/2018						<0.0025	<0.0025	<0.0025	
6/26/2018					<0.0025				
1/22/2019	<0.0025	0.00021 (J)	<0.0025						
1/24/2019					<0.0025				<0.0025
1/25/2019				<0.0025					
1/28/2019						<0.0025	<0.0025	<0.0025	
6/25/2019	<0.0025	0.00021 (J)	<0.0025	<0.0025	<0.0025			<0.0025	<0.0025
6/26/2019							<0.0025		
6/27/2019						<0.0025			
9/11/2019				<0.0025	<0.0025	<0.0025		<0.0025	0.00018 (J)
9/12/2019	<0.0025	0.00052 (J)					<0.0025		
9/17/2019			<0.0025						
3/12/2020	<0.0025								
3/16/2020			<0.0025						
3/17/2020		0.00036 (J)		<0.0025	<0.0025	<0.0025			
3/18/2020							<0.0025	<0.0025	<0.0025
9/10/2020	<0.0025	0.00043 (J)	<0.0025						
9/11/2020				<0.0025					
9/14/2020					<0.0025	<0.0025			
9/15/2020							<0.0025	<0.0025	<0.0025
3/16/2021					<0.0025	<0.0025		<0.0025	0.00025 (J)
3/17/2021	<0.0025	0.00043 (J)		<0.0025			<0.0025		
3/18/2021			<0.0025						
8/19/2021									<0.0025
8/20/2021				<0.0025	<0.0025				
8/23/2021	<0.0025	<0.0025							
8/24/2021			<0.0025			<0.0025	<0.0025	<0.0025	
3/7/2022		<0.0025	<0.0025					<0.0025	<0.0025
3/8/2022	<0.0025			<0.0025	<0.0025	<0.0025	0.00097 (J)		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
9/15/2011	<0.0025						<0.0025		<0.0025
9/16/2011		<0.0025							
9/17/2011				<0.0025	<0.0025	<0.0025		<0.0025	
10/28/2011							<0.0025		
10/29/2011	<0.0025	<0.0025			<0.0025	<0.0025			
10/31/2011				<0.0025				<0.0025	<0.0025
12/13/2011	<0.0025	<0.0025					<0.0025		<0.0025
12/14/2011				<0.0025	<0.0025	<0.0025			
1/25/2012	<0.0025					<0.0025			
1/31/2012		<0.0025							
2/1/2012									<0.0025
2/7/2012				<0.0025	<0.0025			<0.0025	
2/8/2012							<0.0025		
7/17/2012				<0.0025	<0.0025	<0.0025			<0.0025
7/18/2012	<0.0025	<0.0025					<0.0025		
1/22/2013	<0.0025	<0.0025							
1/23/2013								<0.0025	<0.0025
1/24/2013					<0.0025	<0.0025	<0.0025		
7/16/2013	<0.0025								
7/23/2013		<0.0025							
7/24/2013				<0.0025	<0.0025	<0.0025	<0.0025		<0.0025
1/21/2014	<0.0025								
1/22/2014		<0.0025							
1/23/2014				<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
6/25/2014	<0.0025								
7/1/2014		<0.0025					<0.0025	<0.0025	<0.0025
7/8/2014			<0.0025	<0.0025	<0.0025	<0.0025			
1/14/2015	<0.0025								
1/20/2015							<0.0025		<0.0025
1/21/2015				<0.0025	<0.0025	<0.0025		<0.0025	
1/22/2015		<0.0025							
7/23/2015	<0.0025								
7/29/2015		<0.0025							
7/30/2015				<0.0025		<0.0025	<0.0025		<0.0025
7/31/2015			<0.0025		<0.0025				
1/19/2016							<0.0025		
1/20/2016			<0.0025						
1/21/2016		<0.0025		<0.0025					
1/22/2016						<0.0025			
1/25/2016					<0.0025			<0.0025	<0.0025
1/26/2016	<0.0025								
3/23/2016						<0.0025	<0.0025		<0.0025
3/24/2016					<0.0025				
3/28/2016				<0.0025					
3/29/2016		<0.0025							
3/30/2016			0.000124 (J)					<0.0025	
3/31/2016	<0.0025								
5/20/2016							<0.0025		
5/24/2016						<0.0025			<0.0025
5/25/2016		<0.0025	<0.0025	<0.0025	<0.0025			<0.0025	
5/26/2016	<0.0025								
7/21/2016							<0.0025		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
7/22/2016									<0.0025
7/26/2016	<0.0025				<0.0025	<0.0025			
7/27/2016		<0.0025	<0.0025	<0.0025				<0.0025	
9/16/2016			<0.0025						<0.0025
9/19/2016				<0.0025	<0.0025	<0.0025			
9/20/2016	<0.0025	<0.0025					<0.0025		
11/11/2016						<0.0025			
11/14/2016					<0.0025		<0.0025		
11/15/2016				<0.0025					<0.0025
11/17/2016	<0.0025								
11/18/2016		<0.0025	<0.0025						
1/19/2017					<0.0025				
1/20/2017						<0.0025			
1/24/2017				<0.0025			<0.0025		
1/25/2017								<0.0025	
1/26/2017									<0.0025
2/3/2017	<0.0025	<0.0025	0.0021						
3/16/2017					<0.0025	<0.0025			
3/17/2017							<0.0025		
3/23/2017				<0.0025				<0.0025	
3/24/2017									<0.0025
3/28/2017	<0.0025	<0.0025							
3/29/2017			<0.0025						
4/28/2017						<0.0025			
5/1/2017					<0.0025		<0.0025		
5/2/2017				<0.0025				<0.0025	<0.0025
5/3/2017	<0.0025								
5/4/2017		<0.0025	<0.0025						
7/19/2017								<0.0025	
8/3/2017				<0.0025	<0.0025	<0.0025			<0.0025
8/4/2017							<0.0025	<0.0025	
8/8/2017	<0.0025	<0.0025	<0.0025						
1/19/2018						<0.0025			
1/22/2018					<0.0025				
1/23/2018								<0.0025	<0.0025
1/24/2018							<0.0025		
1/25/2018	<0.0025	<0.0025	<0.0025	<0.0025					
6/20/2018	<0.0025	<0.0025							
6/21/2018							<0.0025		
6/26/2018									<0.0025
6/27/2018			<0.0025	<0.0025	<0.0025	<0.0025		<0.0025	
1/24/2019	<0.0025			<0.0025	<0.0025	<0.0025			
1/25/2019		<0.0025							
1/30/2019							<0.0025		<0.0025
1/31/2019			<0.0025					<0.0025	
6/25/2019	0.00057 (J)			<0.0025	<0.0025				
6/26/2019		<0.0025	<0.0025			<0.0025		<0.0025	
6/27/2019							<0.0025		<0.0025
9/10/2019	0.00046 (J)						<0.0025		
9/11/2019			<0.0025	0.0002 (J)				<0.0025	
9/12/2019		<0.0025			<0.0025	<0.0025			<0.0025
3/11/2020							<0.0025		

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
3/12/2020			<0.0025	<0.0025		<0.0025			
3/13/2020					<0.0025				
3/17/2020								<0.0025	
3/18/2020	0.00062 (J)	<0.0025							<0.0025
9/9/2020						<0.0025			
9/10/2020	<0.0025	<0.0025					<0.0025		
9/11/2020								<0.0025	
9/14/2020				<0.0025					
9/15/2020			<0.0025		<0.0025				<0.0025
3/15/2021	<0.0025								
3/16/2021								<0.0025	
3/17/2021				<0.0025	<0.0025				<0.0025
3/18/2021		<0.0025	<0.0025			<0.0025	<0.0025		
8/19/2021	<0.0025		<0.0025	<0.0025	<0.0025				
8/23/2021		<0.0025				<0.0025	<0.0025		
8/24/2021									<0.0025
8/25/2021								<0.0025	
3/2/2022							<0.0025		
3/8/2022	<0.0025			<0.0025		<0.0025			
3/9/2022		<0.0025			<0.0025				<0.0025
3/10/2022			<0.0025					<0.0025	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
8/31/2011				<0.0025	<0.0025			
9/7/2011						<0.0025	<0.0025	<0.0025
9/16/2011	<0.0025	<0.0025	<0.0025					
10/27/2011				<0.0025				
10/30/2011	<0.0025				<0.0025	<0.0025	<0.0025	<0.0025
10/31/2011		<0.0025	<0.0025					
12/4/2011								<0.0025
12/5/2011				<0.0025	<0.0025	<0.0025	<0.0025	
12/12/2011		<0.0025	<0.0025					
12/13/2011	<0.0025							
1/19/2012							<0.0025	<0.0025
1/25/2012				<0.0025	<0.0025	<0.0025		
2/1/2012	<0.0025	<0.0025	<0.0025					
7/16/2012		<0.0025	<0.0025					
7/17/2012	<0.0025							
7/18/2012				<0.0025		<0.0025	<0.0025	<0.0025
7/24/2012					<0.0025			
1/7/2013						<0.0025	<0.0025	
1/8/2013					<0.0025			<0.0025
1/9/2013				<0.0025				
1/22/2013		<0.0025	<0.0025					
1/23/2013	<0.0025							
7/2/2013			<0.0025					
7/9/2013					<0.0025	<0.0025	<0.0025	<0.0025
7/17/2013	<0.0025	<0.0025		<0.0025				
1/14/2014						<0.0025	<0.0025	<0.0025
1/15/2014				<0.0025	<0.0025			
1/21/2014			<0.0025					
1/23/2014	<0.0025	<0.0025						
6/24/2014						<0.0025	<0.0025	<0.0025
6/25/2014		<0.0025	<0.0025	<0.0025	<0.0025			
1/13/2015				<0.0025				
1/14/2015		<0.0025	<0.0025					
1/20/2015	<0.0025				<0.0025	<0.0025	<0.0025	<0.0025
7/24/2015				<0.0025	<0.0025			
7/27/2015						<0.0025	<0.0025	<0.0025
7/28/2015			<0.0025					
7/29/2015	<0.0025	<0.0025						
1/20/2016				<0.0025	<0.0025			
1/21/2016		<0.0025	<0.0025					
1/25/2016	<0.0025							
1/26/2016						<0.0025	<0.0025	<0.0025
3/23/2016	<0.0025							
3/24/2016		<0.0025	<0.0025					
3/28/2016				<0.0025	<0.0025			
3/29/2016						<0.0025	<0.0025	<0.0025
5/23/2016		<0.0025	<0.0025	<0.0025				
5/24/2016	<0.0025				<0.0025	<0.0025	<0.0025	<0.0025
7/21/2016		<0.0025	<0.0025	<0.0025	<0.0025			
7/22/2016	<0.0025					<0.0025		
7/25/2016								<0.0025
7/26/2016							<0.0025	

Time Series

Constituent: Cadmium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
9/15/2016		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
9/16/2016	<0.0025							
9/19/2016							<0.0025	<0.0025
11/15/2016		<0.0025	<0.0025	<0.0025				
11/16/2016					<0.0025	<0.0025	<0.0025	<0.0025
11/17/2016	<0.0025							
1/25/2017	<0.0025	<0.0025						
1/26/2017			<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
1/31/2017								<0.0025
3/22/2017		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
3/23/2017	<0.0025						<0.0025	<0.0025
5/1/2017	<0.0025	<0.0025						
5/2/2017			<0.0025	<0.0025	<0.0025	<0.0025		<0.0025
5/3/2017							<0.0025	
8/3/2017		<0.0025	<0.0025	<0.0025	<0.0025			
8/4/2017	<0.0025					<0.0025		
8/7/2017							<0.0025	<0.0025
1/23/2018	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025		
1/24/2018							<0.0025	<0.0025
6/19/2018			<0.0025					
6/20/2018		<0.0025						
6/21/2018							<0.0025	<0.0025
6/25/2018				<0.0025	<0.0025	<0.0025		
6/26/2018	<0.0025							
1/21/2019			<0.0025			<0.0025		
1/22/2019							<0.0025	<0.0025
1/28/2019		<0.0025						
1/30/2019	<0.0025			<0.0025	<0.0025			
6/25/2019						<0.0025	<0.0025	<0.0025
6/26/2019	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025			
9/10/2019						<0.0025	<0.0025	
9/11/2019		<0.0025						
9/12/2019	<0.0025		<0.0025	<0.0025	<0.0025			
9/16/2019								<0.0025
3/11/2020		<0.0025	<0.0025					
3/12/2020	<0.0025					<0.0025	0.00032 (J)	
3/16/2020				<0.0025	<0.0025			<0.0025
9/9/2020				<0.0025				
9/11/2020		<0.0025	<0.0025		<0.0025			<0.0025
9/14/2020						<0.0025	<0.0025	
9/16/2020	<0.0025							
3/16/2021		<0.0025	<0.0025			<0.0025	<0.0025	<0.0025
3/17/2021				<0.0025	<0.0025			
3/18/2021	<0.0025							
8/18/2021			<0.0025		<0.0025			
8/19/2021				<0.0025		<0.0025		
8/20/2021							<0.0025	
8/24/2021	<0.0025	<0.0025						
8/25/2021								<0.0025
3/2/2022		<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
3/9/2022	<0.0025							<0.0025

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
3/22/2016			2.86	4.65					
3/23/2016	0.893	3.09				24.2			
3/29/2016								15	32.6
3/30/2016							27.6		
3/31/2016					39.6				
5/19/2016				5.08		33.6			
5/20/2016	0.784								
5/23/2016			2.81						
5/24/2016		3.51							
5/25/2016					28.3		28.5	18.5	38.3
7/21/2016	0.6			4.7		30			
7/22/2016									32
7/25/2016			2.4					14	
7/26/2016		3.1							
7/27/2016					22		29		
9/14/2016						31			
9/15/2016	0.7		2.5						33
9/16/2016		3.6					27		
9/19/2016								18	
11/9/2016			2.6						
11/10/2016		3.7				27			
11/11/2016	0.59								
11/16/2016								15	34
11/17/2016							29		
1/17/2017			2.4	3.7		26			
1/19/2017	0.59	4.2							
1/31/2017								8	40
2/1/2017							26		
3/16/2017	0.72		2.7			27			
3/17/2017		3.4							
3/23/2017								9.3	37
3/24/2017							24		
4/27/2017			2.4	3.9		27			
4/28/2017	0.72	3.9							
5/2/2017								14	
5/3/2017							29		41
7/18/2017				<0.25 (*)					
8/1/2017				3.8	72				
10/3/2017		4.2	2.7	4.1	91 (o)	30			
10/4/2017	0.73						32	16	40
1/19/2018	0.7	3.8	2.6	3.7					
1/22/2018						33			
1/24/2018								12	38
1/25/2018							22		
6/19/2018	0.75	3.4	2.5	4.1		26			
6/20/2018					43			13	
6/21/2018							13		
6/26/2018									38
9/25/2018	0.73	4	2.8	4.6		29			
9/27/2018							13	9	
9/28/2018									46
1/17/2019	0.74	3.5				22			

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
1/18/2019				4.2	10				
1/21/2019			3						
1/24/2019								3.8	
1/25/2019									46
1/31/2019							15		
6/24/2019	0.76	5				27			
6/25/2019			3	4.8	10				
6/26/2019							16	11	43
9/9/2019	0.8								
9/10/2019		4.2	2.9	4.8		31			
9/11/2019					11				42
9/16/2019								14	
9/17/2019							7.2		
3/10/2020	0.85	3.3	2.9	4.1	11	26			
3/16/2020								3.1	
3/17/2020							15		
3/18/2020									46
9/9/2020	0.81		2.8	3.9	12	26			
9/10/2020		3.4					29	21	46
3/15/2021	0.82	3.2	3	4.6	16	21			
3/16/2021									52
3/17/2021								13	
3/18/2021							19		
8/16/2021	0.77		2.7						
8/18/2021		3.3		4.2	16	24			
8/19/2021									51
8/20/2021							14		
8/23/2021								9.1	
2/28/2022	0.76								
3/1/2022		3	2.8		15	24			
3/2/2022				4.3					
3/7/2022								6.9	48
3/8/2022							16		

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
3/29/2016	3.91								
3/30/2016		13.8	13.3	6.72	8.15	6.88	8.32	8.78	2.98
5/25/2016	4.06	22.2	10.6	7.09	8.68				
5/26/2016						6.42	6.78	9.13	3.16
7/25/2016						5.3	4.7	7.7	
7/26/2016	3.7	28	7.2						2.9
7/27/2016				6.4	7.9				
9/15/2016	3.7	30							
9/16/2016				6.7					
9/19/2016					7.8	5.4	4.3		
9/20/2016			6.9					8.9	3.6
11/17/2016	3.5	46	6.1	6.3	7.5	5.5	4.1	7.9	2.8
1/31/2017	4.1								
2/1/2017		15	9.6	6.8	8.7	7.3			
2/2/2017							14	8.9	3.3
3/23/2017	3.9	18	9.9						
3/24/2017				6.3	7.5	6.4	8.7		
3/28/2017								7.9	3.2
5/3/2017	4.1	18	9.4	6.9	8.2	6.8	9.9		
5/4/2017								9.1	3.1
10/4/2017		48	9.3		9.1				
10/5/2017	4.5			7.4		7.3	7.5		
10/6/2017								9.4	4.1
1/25/2018	4.6	19	11	7.1	8.3	7.1	8.5		
1/26/2018								8.5	3.2
6/20/2018	4	45	11	6.9					3.6
6/21/2018						6.4	7.3	8.6	
6/26/2018					7.7				
9/27/2018							5.9	9.8	4.6
9/28/2018						6.9			
10/1/2018		22	8	7					
10/2/2018	4.2				8.2				
1/22/2019	4.4	25	13						
1/24/2019					7.7				4.1
1/25/2019				7					
1/28/2019						7	9.9	8.6	
6/25/2019	4.3	26	9.8	7	8.4			9	5
6/26/2019							7.3		
6/27/2019						7			
9/11/2019				7.1	8	7		8.4	4.1
9/12/2019	4.2	52					5.4		
9/17/2019			7.7						
3/12/2020	4.3								
3/16/2020			14						
3/17/2020		40		7.4	8.5	7.6			
3/18/2020							11	8.9	7.3
9/10/2020	4.6	39	7.8						
9/11/2020				6.9					
9/14/2020					6.6	7.3			
9/15/2020							5.7	8.1	6.4
3/16/2021					7.9	7.8		8.9	6
3/17/2021	4.4	38		7.3			9.6		

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
3/18/2021			12						
8/19/2021									10
8/20/2021				7.1	8.7				
8/23/2021	4.2	21							
8/24/2021			8.6			7.8	9.3	9.2	
3/7/2022		31	11					8.6	6.5
3/8/2022	3.9			6.6	7.9	7.5	9		

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
3/23/2016						1.73	3.03		5.18
3/24/2016					1.72				
3/28/2016				12.3					
3/29/2016		3.32							
3/30/2016			1.01					11.3	
3/31/2016	11.5								
5/20/2016							3.37		
5/24/2016						0.745			6.58
5/25/2016		3.4	0.69	7.2	1.68			12.9	
5/26/2016	11.5								
7/21/2016							2.9		
7/22/2016									7.1
7/26/2016	9.5				1.4	1.4			
7/27/2016		2.9	0.4	5.4				12	
9/16/2016			1.3						8.7
9/19/2016				8.4	1.5	1.2			
9/20/2016	11	3.3					3.2		
11/11/2016						3.3			
11/14/2016					1.8		2.8		
11/15/2016				10					6.9
11/17/2016	10								
11/18/2016		2.9	1.3						
1/19/2017					1.6				
1/20/2017						2.2			
1/24/2017				14			3.1		
1/25/2017								8.3	
1/26/2017									13
2/3/2017	11	3.3	1.2						
3/16/2017					1.7	1			
3/17/2017							2.9		
3/23/2017				13				10	
3/24/2017									12
3/28/2017	9.8	3.1							
3/29/2017			1.3						
4/28/2017						0.88			
5/1/2017					1.6		3		
5/2/2017				41				9.8	15
5/3/2017	10								
5/4/2017		3.3	1.6						
7/19/2017								10	
8/4/2017								13	
10/3/2017						1.1			
10/4/2017					1.8		3.3		
10/5/2017	11	3.6	1.4	11					
10/6/2017								13	15
1/19/2018						2.5			
1/22/2018					1.9				
1/23/2018								11	12
1/24/2018							3.2		
1/25/2018	10	3.3	1.3	12					
6/20/2018	10	3.4							
6/21/2018							3.3		

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
6/26/2018									7.1
6/27/2018			0.38	8.5	1.7	2.4		9.6	
9/26/2018				9.2					
9/27/2018					2.1	3.4			
9/28/2018			0.81						
10/1/2018	10	3.6							
10/2/2018									7.7
10/3/2018							3.3	11	
1/24/2019	10			5.4	1.9	0.71			
1/25/2019		3.7							
1/30/2019							3.4		7
1/31/2019			0.39					11	
6/25/2019	12			3.5	1.8				
6/26/2019		3.6	0.34 (J)			3.7		11	
6/27/2019							3.6		7.6
9/10/2019	11						4		
9/11/2019			0.9	6				12	
9/12/2019		3.6			1.8	1.2			10
3/11/2020							4.1		
3/12/2020			0.42 (J)	8.9		0.94			
3/13/2020					2.3				
3/17/2020								10	
3/18/2020	11	4							12
9/9/2020						2.3			
9/10/2020	10	3.7					3.9		
9/11/2020								11	
9/14/2020				3.4					
9/15/2020			0.15 (J)		2				6.6
3/15/2021	11								
3/16/2021								9.7	
3/17/2021				7.1	2.1				8.5
3/18/2021		3.5	0.18 (J)			3.1	3.9		
8/19/2021	11		0.32 (J)	7.4	2.1				
8/23/2021		3.9				1.6	3.5		
8/24/2021									6.1
8/25/2021								9.4	
3/2/2022							3.6		
3/8/2022	11			7.3		2.4			
3/9/2022		3.5			2				5.4
3/10/2022			0.14 (J)					8.3	

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/23/2016	13.8							
3/24/2016		3.27	1.97					
3/28/2016				23.9	10.8			
3/29/2016						70.8	27.2	12.6
5/23/2016		2.82	1.97	26.3				
5/24/2016	9.38				13	63.2	30.8	14.9
7/21/2016		2.6	1.7	21	12			
7/22/2016	9					56		
7/25/2016								23
7/26/2016							24	
9/15/2016		2.9	1.9	20	16	60		
9/16/2016	11							
9/19/2016							30	25
11/15/2016		2.5	1.8	20				
11/16/2016					14	59	30	28
11/17/2016	55 (O)							
1/25/2017	<0.25	2.7						
1/26/2017			2.2	16	13	61	29	
1/31/2017								18
3/22/2017		2.7	1.8	17	12	56		
3/23/2017	15						33	19
5/1/2017	10	3.1						
5/2/2017			2.1	38	12	59		18
5/3/2017							28	
8/4/2017	11							
10/3/2017		3.2	2.1	27	14	57		19
10/5/2017	16						28	
1/23/2018	10	3	2.2	31	14	51		
1/24/2018							25	16
6/19/2018			2					
6/20/2018		3.2						
6/21/2018							29	13
6/25/2018				35	12	54		
6/26/2018	13							
9/25/2018					15			
9/26/2018							34	18
10/1/2018			2.1					
10/2/2018	15	3.1				52		
10/3/2018				32				
1/21/2019			2			52		
1/22/2019							22	11
1/28/2019		2.9						
1/30/2019	17			34	12			
6/25/2019						50	29	14
6/26/2019	19	2.8	2	39	12			
9/10/2019						50	30	
9/11/2019		3.3						
9/12/2019	14		1.9	31	16			
9/16/2019								19
3/11/2020		2.6	1.8					
3/12/2020	19					47	19	
3/16/2020				33	12			8.9

Time Series

Constituent: Calcium, total (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
9/9/2020				32				
9/11/2020		2.7	2.1		15			14
9/14/2020						43	27	
9/16/2020	14							
3/16/2021		3	2.2			47	28	11
3/17/2021				34	15			
3/18/2021	17							
8/18/2021			2.3		16			
8/19/2021				35		47		
8/20/2021							28	
8/24/2021	17	2.7						
8/25/2021								12
3/2/2022		2.8	2.6	30	14	47	24	
3/9/2022	20							8.1

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
3/22/2016			1.3716	1.5096					
3/23/2016	1.8057	2.5102				9.041			
3/29/2016								3.4214	10.931
3/30/2016							3.7204		
3/31/2016					8.3045				
5/19/2016				1.51		13.1			
5/20/2016	1.84								
5/23/2016			1.33						
5/24/2016		4.52							
5/25/2016					10.1		3.89	5.33	10.5
7/21/2016	1.9			1.6		17			
7/22/2016									13
7/25/2016			1.4					5.8	
7/26/2016		4							
7/27/2016					10		6.5		
9/14/2016						17			
9/15/2016	1.8		1.3						13
9/16/2016		4.1					5.9		
9/19/2016								5.2	
11/9/2016			1.4						
11/10/2016		4.6				23			
11/11/2016	1.8								
11/16/2016								6.7	14
11/17/2016							7.9		
1/17/2017			1.3	1.3		14			
1/19/2017	1.8	5.6							
1/31/2017								2.1	17
2/1/2017							4.9		
3/16/2017	1.7		1.2			16			
3/17/2017		4.4							
3/23/2017								2	20
3/24/2017							2.6		
4/27/2017			1.2	1.4		15			
4/28/2017	1.7	4.7							
5/2/2017								3.3	
5/3/2017							3.9		18
7/18/2017				1.2					
8/1/2017				1.3					
10/3/2017		4.7	1.2	1.2	9.5	17			
10/4/2017	1.7						3.9	3.5	18
1/19/2018	1.6	4.3	1.1	1					
1/22/2018						15			
1/24/2018								2.3	19
1/25/2018							4.2		
6/19/2018	1.7	3.6	1.2	1.2		12			
6/20/2018					12			3.1	
6/21/2018							4.6		
6/26/2018									20
9/25/2018	1.7	4.9	1.2	1.2		17			
9/27/2018							5.4	3.3	
9/28/2018									21
1/17/2019	1.8	3.7				11			

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
1/18/2019				1.3	19				
1/21/2019			1.2						
1/24/2019								0.94 (J)	
1/25/2019									23
1/31/2019							4		
6/24/2019	1.7	6.1				11			
6/25/2019			1.3	24	<1				
6/26/2019							4.2	3.2	21
9/9/2019	1.9								
9/10/2019		5.1	1.3	1.3		17			
9/11/2019					22				23
9/16/2019								3.1	
9/17/2019							3.6		
3/10/2020	2	3.9	1.4	1.1	43	10			
3/16/2020								0.81 (J)	
3/17/2020							3.7		
3/18/2020									22
9/9/2020	2		1.3	1.2	34	13			
9/10/2020		5.1					4.6	4.2	25
3/15/2021	2.2	4	1.2	1.2	49	6.7			
3/16/2021									27
3/17/2021								2.8	
3/18/2021							3.2		
8/16/2021	2.3		1.5						
8/18/2021		5.2		1.4	41	11			
8/19/2021									27
8/20/2021							4.8		
8/23/2021								2.7	
2/28/2022	2.1								
3/1/2022		4.2	1.2		15	8.6			
3/2/2022				1.2					
3/7/2022								1.4	33
3/8/2022							4.8		

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
3/29/2016	1.3057								
3/30/2016		49.11	9.921	1.4751	1.3046	1.9012	2.2278	2.0074	3.9326
5/25/2016	1.27	65.8	6.31	1.43	1.31				
5/26/2016						1.78	1.53	2	3.59
7/25/2016						1.7	1.5	2.1	
7/26/2016	1.4	64	3.6						3.3
7/27/2016				1.7	1.4				
9/15/2016	1.3	110							
9/16/2016				1.5					
9/19/2016					1.3	1.6	1.4		
9/20/2016			2.7					2	3.1
11/17/2016	1.2	180	2.5	1.4	1.3	1.5	1.4	1.9	3
1/31/2017	1.2								
2/1/2017		46	5.4	1.4	1.2	1.9			
2/2/2017							3.1	1.9	<1
3/23/2017	1.2	68	6.6						
3/24/2017				1.3	1.1	1.8	2.1		
3/28/2017								1.8	3.4
5/3/2017	1.1	49	5.1	1.3	1.2	1.6	1.8		
5/4/2017								1.9	3.4
10/4/2017		160	4.2		1.1				
10/5/2017	1.1			1.3		1.5	1.6		
10/6/2017								1.8	3.2
1/25/2018	1	52	6.5	1.2	0.99 (J)	1.6	1.7		
1/26/2018								1.6	3.3
6/20/2018	1.2	150	3.4	1.3					3.5
6/21/2018						1.5	1.6	1.9	
6/26/2018					1.1				
9/27/2018							1.3	1.8	3.1
9/28/2018						1.6			
10/1/2018		74	4.3	1.4					
10/2/2018	1.3				1.2				
1/22/2019	1.2	80	9.1						
1/24/2019					1.2				4.1
1/25/2019				1.5					
1/28/2019						1.7	2.2	2	
6/25/2019	1.3	82	5.8	1.5	1.2			1.9	3.5
6/26/2019							1.5		
6/27/2019						1.6			
9/11/2019				1.6	1.1	1.5		1.9	2.9
9/12/2019	1	190					1.3		
9/17/2019			2.8						
3/12/2020	1.3								
3/16/2020			9.5						
3/17/2020		120		1.9	1.3	1.9			
3/18/2020							2.5	2.1	3.8
9/10/2020	1.4	140	3.7						
9/11/2020				1.7					
9/14/2020					1.3	1.8			
9/15/2020							1.4	2	3.2
3/16/2021					1.2	1.8		2	3.5
3/17/2021	1.4	140		1.6			2.2		

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
3/18/2021			6.3						
8/19/2021									15
8/20/2021				1.8	1.4				
8/23/2021	1.3	99							
8/24/2021			5.1			2	1.9	2.5	
3/7/2022		160	8.8					2.3	3.7
3/8/2022	1.4			1.7	0.86 (J)	1.6	1.5		

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
3/23/2016						1.0825	1.3598		1.0533
3/24/2016					2.8217				
3/28/2016				5.992					
3/29/2016		1.9463							
3/30/2016			4.6264					1.9069	
3/31/2016	1.8479								
5/20/2016							1.4		
5/24/2016						1.08			1.1
5/25/2016		1.96	4.6		2.93			1.89	
5/26/2016	1.71			8.14					
7/21/2016							1.4		
7/22/2016									1.1
7/26/2016	1.8				3	1.1			
7/27/2016		2.1	4.9	6.3					
9/16/2016			3.6						1.1
9/19/2016				5.1	2.9	1			
9/20/2016	1.7	1.9					1.3		
11/11/2016						0.97 (J)			
11/14/2016					2.8		1.3		
11/15/2016				3.9					1.1
11/17/2016	1.7								
11/18/2016		1.8	3.4						
1/19/2017					2.8				
1/20/2017						0.99 (J)			
1/24/2017				3.6			1.3		
1/25/2017								1.9	
1/26/2017									1.1
2/3/2017	1.6	1.9	3.6						
3/16/2017					2.7	1			
3/17/2017							1.3		
3/23/2017				3.2					
3/24/2017									1.1
3/28/2017	1.5	1.8							
3/29/2017			3.2						
4/28/2017						0.96 (J)			
5/1/2017					2.8		1.3		
5/2/2017				3.5					0.99 (J)
5/3/2017	1.5								
5/4/2017		1.8	3.2						
7/19/2017								1.6	
10/3/2017						0.96 (J)			
10/4/2017					2.8		1.2		
10/5/2017	1.5	1.8	3.3	3.5					
10/6/2017								1.7	1.1
1/19/2018						0.91 (J)			
1/22/2018					2.6				
1/23/2018								1.4	<1
1/24/2018							1.1		
1/25/2018	1.3	1.6	3.1	3.6					
6/20/2018	1.5	1.9							
6/21/2018							1.2		
6/26/2018									0.89 (J)

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
6/27/2018			3.8	5.2	2.8	0.92 (J)		1.5	
9/26/2018				5.6					
9/27/2018					3	1			
9/28/2018			3.8						
10/1/2018	1.6	1.9							
10/2/2018									1
10/3/2018							1.4	1.7	
1/24/2019	1.6			8.7	3.1	1.1			
1/25/2019		2							
1/30/2019							1.2		0.98 (J)
1/31/2019			4.1					1.3	
6/25/2019	1.7			9	3				
6/26/2019		2	4.4			1.1		1.5	
6/27/2019							1.4		1.1
9/10/2019	1.6						1.3		
9/11/2019			4.2	7.9					
9/12/2019		1.9			2.3	0.88 (J)			0.99 (J)
3/11/2020							1.5		
3/12/2020			4.2	6.9		1.3			
3/13/2020					3.1				
3/17/2020								1.6	
3/18/2020	1.8	2.1							1.4
9/9/2020						1.1			
9/10/2020	1.6	2.1					1.4		
9/11/2020								1.7	
9/14/2020				8.2					
9/15/2020			4.9		3.1				1.1
3/15/2021	1.5								
3/16/2021								1.4	
3/17/2021				5.9	3				1.2
3/18/2021		2	4.4			1.2	1.4		
8/19/2021	1.8		5.2	5.9	3.1				
8/23/2021		2.2				1.1	1.5		
8/24/2021									1.3
8/25/2021								1.5	
3/2/2022							1.3		
3/8/2022	1.3			4.6		0.72 (J)			
3/9/2022		1.4			3.3				1
3/10/2022			3.2					0.94 (J)	

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/23/2016	2.2604							
3/24/2016		1.2259	4.4998					
3/28/2016				9.818	5.312			
3/29/2016						8.5125 (O)	3.5914	7.395
5/23/2016		1.19	4.19	10.4				
5/24/2016					6.21	32.8	3.16	16.4
7/21/2016		1.3	4.4	11	6.6			
7/22/2016						31		
7/25/2016								55
7/26/2016							5.9	
9/15/2016		1.2	4	10	6.1	29		
9/19/2016							5.4	73
11/15/2016		1.2	4.2	11				
11/16/2016					6.2	32	6.2	83
11/17/2016	2.5							
1/25/2017	2.1	1.2						
1/26/2017			4.2	9.2	5.8	29	3.6	
1/31/2017								17
3/22/2017		1.1	3.9	8.7	5.2	28		
3/23/2017	2						3.9	8.2
5/1/2017	2.1	1.1						
5/2/2017			4	13	5.1	26		11
5/3/2017							6.1	
7/19/2017	2.1							
8/4/2017	1.9							
8/24/2017	1.9							
10/3/2017		1.1	3.8	12	5.4	23		10
10/5/2017	2.1						6.4	
1/23/2018	2	0.95 (J)	3.5	13	5.1	18		
1/24/2018							3.5	5.6
6/19/2018			3.4					
6/20/2018		1.1						
6/21/2018							4.5	4.5
6/25/2018				12	5.5	19		
6/26/2018	2							
9/25/2018					6.3			
9/26/2018							5.4	19
10/1/2018			3.6					
10/2/2018	2.2	1.1				19		
10/3/2018				17				
1/21/2019			3.5			17		
1/22/2019							2.8	2.3
1/28/2019		1.3						
1/30/2019	2.2			15	5.3			
6/25/2019						16	3.9	7.7
6/26/2019	2.2	1.2	3.4	10	6			
9/10/2019						15	6	
9/11/2019		1.1						
9/12/2019	2.1		3.2	13	7.7			
9/16/2019								29
3/11/2020		1.4	3.5					
3/12/2020	2.4					13	2.9	

Time Series

Constituent: Chloride, Total (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/16/2020				9.5	9.7			2.3
9/9/2020				10				
9/11/2020		1.2	3.9		8.1			17
9/14/2020						12	5.5	
9/16/2020	2.2							
3/16/2021		1.1	4.2			13	3.7	3.3
3/17/2021				9.7	7.8			
3/18/2021	2.2							
8/18/2021			4.5		7.5			
8/19/2021				10		12		
8/20/2021							4.1	
8/24/2021	2.6	1.4						
8/25/2021								7.4
3/2/2022		1.1	4.6	11	7.6	22	3	
3/9/2022	1.5							4

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
8/31/2011					<0.002	0.0014			
9/13/2011								0.0031	<0.002
9/16/2011	0.0015		<0.002						
9/17/2011		<0.002		<0.002					
10/27/2011	<0.002	<0.002				<0.002			
10/28/2011			<0.002	<0.002				0.0032	<0.002
12/4/2011								0.0031	<0.002
12/12/2011			<0.002	<0.002					
12/13/2011	<0.002								
12/14/2011		<0.002				<0.002			
1/24/2012									<0.002
1/25/2012			<0.002						
1/31/2012	<0.002			<0.002					
2/1/2012						<0.002			
2/7/2012		<0.002							
2/9/2012								<0.002	
7/11/2012									<0.002
7/16/2012			<0.002						
7/17/2012				<0.002					
7/18/2012	<0.002							<0.002	
7/23/2012		<0.002				0.0014			
1/8/2013								0.0013	<0.002
1/23/2013		<0.002				<0.002			
1/24/2013	<0.002		<0.002	<0.002					
7/9/2013								<0.002	
7/10/2013									<0.002
7/17/2013	<0.002					<0.002			
7/23/2013			<0.002						
7/24/2013		<0.002		0.0013					
1/15/2014						<0.002		0.0013	
1/21/2014	<0.002								<0.002
1/22/2014		<0.002	0.002	<0.002					
6/25/2014	<0.002				<0.002	<0.002		0.002	
7/1/2014		<0.002	<0.002						<0.002
7/8/2014				<0.002 (D)					
1/14/2015	<0.002					<0.002			
1/21/2015			<0.002	<0.002				0.0013	<0.002
1/22/2015		<0.002							
7/21/2015	<0.002		<0.002		<0.002	<0.002			
7/22/2015		<0.002		<0.002					
7/28/2015								0.0017	<0.002
1/19/2016				<0.002 (D)					
1/20/2016		<0.002				<0.002			
1/21/2016	<0.002								
1/22/2016			<0.002						
1/25/2016							<0.002		
1/26/2016								0.0012 (J)	<0.002
3/22/2016			<0.002	<0.002					
3/23/2016	<0.002	<0.002				<0.002			
3/29/2016								<0.002	<0.002
3/30/2016							<0.002		
3/31/2016					<0.002				

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
5/19/2016				0.00684 (JO)		<0.002			
5/20/2016	<0.002								
5/23/2016			<0.002						
5/24/2016		<0.002							
5/25/2016					<0.002		<0.002	0.00213 (J)	<0.002
7/21/2016	<0.002			<0.002		<0.002			
7/22/2016									<0.002
7/25/2016			<0.002					0.0015 (J)	
7/26/2016		<0.002							
7/27/2016					<0.002		0.0029		
9/14/2016						<0.002			
9/15/2016	<0.002		0.0082 (O)						<0.002
9/16/2016		0.0019 (J)					<0.002		
9/19/2016								0.0022 (J)	
11/9/2016			0.0044						
11/10/2016		<0.002				<0.002			
11/11/2016	<0.002								
11/16/2016								0.002 (JB)	<0.002
11/17/2016							<0.002		
1/17/2017			<0.002	<0.002		<0.002			
1/19/2017	<0.002	<0.002							
1/31/2017								0.0022 (J)	<0.002
2/1/2017							<0.002		
3/16/2017	<0.002		<0.002			<0.002			
3/17/2017		<0.002							
3/23/2017								0.002 (J)	<0.002
3/24/2017							<0.002		
4/27/2017			<0.002	<0.002		<0.002			
4/28/2017	<0.002	<0.002							
5/2/2017								0.0019 (J)	
5/3/2017							<0.002		<0.002
7/18/2017				<0.002					
8/1/2017			<0.002	0.0015 (J)	<0.002				
8/2/2017		<0.002				<0.002			
8/3/2017	<0.002								
8/7/2017								0.0023 (J)	<0.002
8/8/2017							<0.002		
10/3/2017					0.0013 (J)				
1/19/2018	<0.002	<0.002	<0.002	<0.002					
1/22/2018						<0.002			
1/24/2018								0.0019 (J)	<0.002
1/25/2018							<0.002		
6/19/2018	<0.002	0.0011 (J)	<0.002	<0.002		<0.002			
6/20/2018					<0.002			0.002 (J)	
6/21/2018							<0.002		
6/26/2018									<0.002
1/17/2019	0.0012 (J)	0.0016 (J)				0.0013 (J)			
1/18/2019				0.002 (J)	0.0017 (J)				
1/21/2019			0.0014 (J)						
1/24/2019								0.003	
1/25/2019									0.0011 (J)
1/31/2019							0.0018 (J)		

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
6/24/2019	0.0042	0.0022				0.0022			
6/25/2019			0.0024	0.003	0.0027				
6/26/2019							0.0021	0.0041	0.0021
9/9/2019	0.0017 (J)								
9/10/2019		0.0019 (J)	0.0018 (J)	0.0019 (J)		<0.002			
9/11/2019					<0.002				0.0023
9/16/2019								0.0035	
9/17/2019							<0.002		
3/10/2020	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002			
3/16/2020								0.0019 (J)	
3/17/2020							<0.002		
3/18/2020									<0.002
9/9/2020	<0.002		<0.002	<0.002	<0.002	<0.002			
9/10/2020		<0.002					<0.002	0.0018 (J)	<0.002
3/15/2021	<0.002	<0.002	0.0028	0.021 (o)	<0.002	<0.002			
3/16/2021									0.0022
3/17/2021								0.0016 (J)	
3/18/2021							<0.002		
8/16/2021	<0.002		<0.002						
8/18/2021		<0.002		<0.002	<0.002	<0.002			
8/19/2021									<0.002
8/20/2021							<0.002		
8/23/2021								0.0017 (J)	
2/28/2022	<0.002								
3/1/2022		<0.002	<0.002		<0.002	<0.002			
3/2/2022				<0.002					
3/7/2022								0.0016 (J)	<0.002
3/8/2022							<0.002		

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
8/30/2011				0.0028	0.0014	0.0014	0.0014		
8/31/2011								0.0016	0.0014
9/13/2011	0.0019	<0.002							
9/16/2011			<0.002						
10/26/2011				0.0023	<0.002	<0.002	<0.002		
10/27/2011		<0.002	<0.002					<0.002	<0.002
10/28/2011	<0.002								
12/3/2011		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		
12/4/2011	<0.002							<0.002	<0.002
1/24/2012	<0.002	<0.002							
1/25/2012				<0.002	<0.002				
2/8/2012			<0.002			<0.002	<0.002	<0.002	<0.002
7/11/2012	<0.002	<0.002	<0.002	0.0022	<0.002	<0.002	<0.002	<0.002	
7/17/2012									<0.002
1/8/2013	<0.002	<0.002	<0.002	0.0023	<0.002	<0.002	<0.002	<0.002	
1/9/2013									<0.002
7/2/2013			<0.002	0.0024					
7/10/2013	<0.002	<0.002							
7/16/2013					<0.002	<0.002	<0.002	<0.002	<0.002
1/14/2014				0.0023	<0.002	<0.002			
1/21/2014	<0.002	<0.002	<0.002				<0.002	<0.002	<0.002
6/24/2014			<0.002			<0.002	<0.002	<0.002	<0.002
6/25/2014				0.0024	<0.002				
7/1/2014	<0.002	<0.002							
1/13/2015				0.0024		<0.002	<0.002	<0.002	<0.002
1/14/2015		<0.002	<0.002		<0.002				
1/21/2015	<0.002								
7/22/2015		<0.002	<0.002	0.0023					
7/23/2015						<0.002	<0.002	<0.002	<0.002
7/28/2015	<0.002				<0.002				
1/26/2016									<0.002
1/27/2016	<0.002	<0.002	<0.002	0.0022	<0.002	<0.002	<0.002	<0.002	
3/29/2016	<0.002								
3/30/2016		<0.002	<0.002	0.00261 (J)	<0.002	<0.002	<0.002	<0.002	<0.002
5/25/2016	<0.002	<0.002	<0.002	0.00238 (J)	<0.002				
5/26/2016						<0.002	<0.002	<0.002	<0.002
7/25/2016						<0.002	<0.002	<0.002	
7/26/2016	<0.002	<0.002	<0.002						<0.002
7/27/2016				0.0025	<0.002				
9/15/2016	<0.002	<0.002							
9/16/2016				0.0023 (J)					
9/19/2016					<0.002	<0.002	<0.002		
9/20/2016			<0.002					<0.002	<0.002
11/17/2016	<0.002	<0.002	<0.002	0.0022 (J)	<0.002	<0.002	<0.002	<0.002	<0.002
1/31/2017	<0.002								
2/1/2017		<0.002	<0.002	0.0024 (J)	<0.002	0.0014 (J)			
2/2/2017							<0.002	<0.002	<0.002
3/23/2017	<0.002	<0.002	<0.002						
3/24/2017				0.0026	<0.002	<0.002	<0.002		
3/28/2017								<0.002	<0.002
5/3/2017	<0.002	<0.002	<0.002	0.0022 (J)	<0.002	<0.002	<0.002		
5/4/2017								<0.002	<0.002

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
8/4/2017	<0.002		<0.002						
8/7/2017		<0.002		0.0023 (J)	<0.002	<0.002	<0.002	0.0017 (J)	<0.002
1/25/2018	<0.002	<0.002	<0.002	0.0023 (J)	<0.002	<0.002	<0.002		
1/26/2018								<0.002	<0.002
6/20/2018	<0.002	<0.002	<0.002	0.0025					<0.002
6/21/2018						<0.002	<0.002	<0.002	
6/26/2018					<0.002				
1/22/2019	0.0013 (J)	0.0013 (J)	0.0013 (J)						
1/24/2019					0.0014 (J)				0.0012 (J)
1/25/2019				0.0038 (o)					
1/28/2019						0.0012 (J)	<0.002	0.0011 (J)	
6/25/2019	0.0022	0.0023	0.0022	0.0045 (o)	0.0042			0.0023	0.0021
6/26/2019							0.0023		
6/27/2019						0.0022			
9/11/2019				0.0043 (o)	<0.002	<0.002		0.0027	0.0022
9/12/2019	0.0027	0.002					0.0024		
9/17/2019			<0.002						
3/12/2020	<0.002								
3/16/2020			<0.002						
3/17/2020		<0.002		0.0024	<0.002	<0.002			
3/18/2020							<0.002	<0.002	<0.002
9/10/2020	<0.002	<0.002	<0.002						
9/11/2020				0.0022					
9/14/2020					<0.002	<0.002			
9/15/2020							<0.002	<0.002	<0.002
3/16/2021					<0.002	<0.002		<0.002	<0.002
3/17/2021	<0.002	<0.002		0.0027			<0.002		
3/18/2021			<0.002						
8/19/2021									<0.002
8/20/2021				0.0021	<0.002				
8/23/2021	<0.002	<0.002							
8/24/2021			<0.002			<0.002	<0.002	<0.002	
3/7/2022		<0.002	<0.002					<0.002	<0.002
3/8/2022	<0.002			0.0022	<0.002	<0.002	<0.002		

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
9/15/2011	<0.002						<0.002		<0.002
9/16/2011		0.0019							
9/17/2011				0.0015	0.0018	<0.002		0.0052	
10/28/2011							<0.002		
10/29/2011	<0.002	<0.002			<0.002	<0.002			
10/31/2011				<0.002				<0.002	<0.002
12/13/2011	<0.002	<0.002					<0.002		<0.002
12/14/2011				<0.002	<0.002	<0.002			
1/25/2012	<0.002					<0.002			
1/31/2012		<0.002							
2/1/2012									<0.002
2/7/2012				0.0065 (O)	<0.002			<0.002	
2/8/2012							<0.002		
7/17/2012				0.0025	<0.002	<0.002			<0.002
7/18/2012	0.0016	<0.002					<0.002		
1/22/2013	0.0019	<0.002							
1/23/2013								<0.002	<0.002
1/24/2013					<0.002	<0.002	<0.002		
7/16/2013	<0.002								
7/23/2013		0.0013							
7/24/2013				0.0017	<0.002	<0.002	<0.002		<0.002
1/21/2014	<0.002								
1/22/2014		<0.002							
1/23/2014				<0.002	<0.002	<0.002	<0.002	0.002	<0.002
6/25/2014	0.0011 (J)								
7/1/2014		0.0011 (J)					<0.002	0.0046	<0.002
7/8/2014			<0.002	<0.002	<0.002	<0.002			
1/14/2015	<0.002								
1/20/2015							<0.002		<0.002
1/21/2015				<0.002	<0.002	<0.002		0.0026	
1/22/2015		<0.002							
7/23/2015	0.0015								
7/29/2015		0.0012 (J)							
7/30/2015				<0.002		<0.002	<0.002		<0.002
7/31/2015			<0.002		<0.002				
1/19/2016							<0.002		
1/20/2016			<0.002						
1/21/2016		<0.002		0.002					
1/22/2016						<0.002			
1/25/2016					<0.002			0.0014	<0.002
1/26/2016	<0.002								
3/23/2016						<0.002	<0.002		<0.002
3/24/2016					<0.002				
3/28/2016				<0.002					
3/29/2016		0.00226 (J)							
3/30/2016			<0.002					0.00334 (J)	
3/31/2016	<0.002								
5/20/2016							<0.002		
5/24/2016						<0.002			<0.002
5/25/2016		<0.002	<0.002	<0.002	<0.002			0.00321 (J)	
5/26/2016	<0.002								
7/21/2016							<0.002		

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
7/22/2016									<0.002
7/26/2016	<0.002				<0.002	<0.002			
7/27/2016		<0.002	<0.002	<0.002				0.0043	
9/16/2016			<0.002						<0.002
9/19/2016				<0.002	<0.002	<0.002			
9/20/2016	0.0011 (J)	<0.002					0.0011 (J)		
11/11/2016						<0.002			
11/14/2016					<0.002		<0.002		
11/15/2016				<0.002					<0.002
11/17/2016	<0.002								
11/18/2016		<0.002	<0.002						
1/19/2017					<0.002				
1/20/2017						<0.002			
1/24/2017				0.0043			<0.002		
1/25/2017								0.0027	
1/26/2017									<0.002
2/3/2017	0.0011 (J)	<0.002	0.0011 (J)						
3/16/2017					<0.002	<0.002			
3/17/2017							<0.002		
3/23/2017				<0.002				0.0022 (J)	
3/24/2017									<0.002
3/28/2017	0.0027	<0.002							
3/29/2017			<0.002						
4/28/2017						<0.002			
5/1/2017					<0.002		<0.002		
5/2/2017				0.015 (O)				0.0027	<0.002
5/3/2017	0.0018 (J)								
5/4/2017		<0.002	<0.002						
7/19/2017								0.0019 (J)	
8/3/2017				<0.002	<0.002	<0.002			0.0053 (O)
8/4/2017							<0.002	0.0021 (J)	
8/8/2017	<0.002	<0.002	<0.002						
1/19/2018						<0.002			
1/22/2018					<0.002				
1/23/2018								0.012	<0.002
1/24/2018							<0.002		
1/25/2018	<0.002	<0.002	<0.002	<0.002					
6/20/2018	0.0015 (J)	<0.002							
6/21/2018							0.0015 (J)		
6/26/2018									<0.002
6/27/2018			<0.002	<0.002	<0.002	<0.002		0.0017 (J)	
1/24/2019	0.0021 (J)			0.0026	0.0018 (J)	0.0015 (J)			
1/25/2019		0.0017 (J)							
1/30/2019							0.0018 (J)		0.0017 (J)
1/31/2019			0.0022 (J)					0.0031	
6/25/2019	0.003			0.003	0.003				
6/26/2019		0.0023	0.0027			0.0022		0.0037	
6/27/2019							0.0025		0.0022
9/10/2019	0.0026						0.0019 (J)		
9/11/2019			0.0023	0.0034				0.0084	
9/12/2019		0.0024			0.0033	0.0024			0.0024
3/11/2020							<0.002		

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
3/12/2020			<0.002	<0.002		<0.002			
3/13/2020					<0.002				
3/17/2020								<0.002	
3/18/2020	<0.002	<0.002							<0.002
9/9/2020						<0.002			
9/10/2020	<0.002	<0.002					<0.002		
9/11/2020								0.0018 (J)	
9/14/2020				<0.002					
9/15/2020			<0.002		<0.002				<0.002
3/15/2021	<0.002								
3/16/2021								0.002	
3/17/2021				<0.002	<0.002				<0.002
3/18/2021		<0.002	<0.002			<0.002	<0.002		
8/19/2021	<0.002		<0.002	0.0016 (J)	<0.002				
8/23/2021		<0.002				<0.002	<0.002		
8/24/2021									<0.002
8/25/2021								<0.002	
3/2/2022							<0.002		
3/8/2022	<0.002			<0.002		<0.002			
3/9/2022		<0.002			<0.002				<0.002
3/10/2022			<0.002					<0.002	

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
8/31/2011				<0.002	<0.002			
9/7/2011						<0.002	<0.002	0.0013
9/16/2011	<0.002	<0.002	<0.002					
10/27/2011				<0.002				
10/30/2011	<0.002				0.0016	<0.002	<0.002	<0.002
10/31/2011		<0.002	<0.002					
12/4/2011								0.0021
12/5/2011				<0.002	<0.002	<0.002	<0.002	
12/12/2011		<0.002	<0.002					
12/13/2011	<0.002							
1/19/2012							<0.002	<0.002
1/25/2012				<0.002	<0.002	<0.002		
2/1/2012	<0.002	<0.002	<0.002					
7/16/2012		<0.002	<0.002					
7/17/2012	<0.002							
7/18/2012				<0.002		<0.002	<0.002	<0.002
7/24/2012					<0.002			
1/7/2013						<0.002	<0.002	
1/8/2013					<0.002			0.0019
1/9/2013				<0.002				
1/22/2013		<0.002	<0.002					
1/23/2013	<0.002							
7/2/2013			<0.002					
7/9/2013					<0.002	<0.002	<0.002	0.002
7/17/2013	<0.002	<0.002		<0.002				
1/14/2014						<0.002	<0.002	<0.002
1/15/2014				<0.002	<0.002			
1/21/2014			<0.002					
1/23/2014	<0.002	<0.002						
6/24/2014						0.0018	<0.002	0.0029
6/25/2014		<0.002	<0.002	<0.002	<0.002			
1/13/2015				0.0012 (J)				
1/14/2015		<0.002	<0.002					
1/20/2015	0.0013				<0.002	<0.002	<0.002	<0.002
7/24/2015				<0.002	<0.002			
7/27/2015						<0.002	<0.002	0.0013
7/28/2015			<0.002					
7/29/2015	0.0028	<0.002						
1/20/2016				<0.002	<0.002			
1/21/2016		<0.002	<0.002					
1/25/2016	0.001 (J)							
1/26/2016						<0.002	<0.002	<0.002
3/23/2016	<0.002							
3/24/2016		<0.002	<0.002					
3/28/2016				<0.002	<0.002			
3/29/2016						<0.002	<0.002	<0.002
5/23/2016		<0.002	<0.002	<0.002				
5/24/2016	<0.002				<0.002	<0.002	<0.002	<0.002
7/21/2016		<0.002	<0.002	0.0011 (J)	<0.002			
7/22/2016	<0.002					<0.002		
7/25/2016								<0.002
7/26/2016							<0.002	

Time Series

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
9/15/2016		<0.002	<0.002	<0.002	<0.002	<0.002		
9/16/2016	<0.002							
9/19/2016							<0.002	<0.002
11/15/2016		<0.002	<0.002	<0.002				
11/16/2016					<0.002	<0.002	<0.002	<0.002
11/17/2016	0.0034							
1/25/2017	<0.002	<0.002						
1/26/2017			<0.002	0.0013 (J)	<0.002	<0.002	<0.002	
1/31/2017								0.0015 (J)
3/22/2017		<0.002	<0.002	0.024 (O)	<0.002	<0.002		
3/23/2017	0.0032						<0.002	0.0021 (J)
5/1/2017	<0.002	<0.002						
5/2/2017			<0.002	<0.002	<0.002	<0.002		0.0016 (J)
5/3/2017							<0.002	
8/3/2017		<0.002	<0.002	<0.002	<0.002			
8/4/2017	<0.002					<0.002		
8/7/2017							<0.002	0.0024 (J)
1/23/2018	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		
1/24/2018							<0.002	0.0019 (J)
6/19/2018			<0.002					
6/20/2018		<0.002						
6/21/2018							<0.002	0.0023 (J)
6/25/2018				<0.002	<0.002	<0.002		
6/26/2018	<0.002							
1/21/2019			0.0013 (J)			0.0012 (J)		
1/22/2019							0.0014 (J)	0.0027
1/28/2019		0.00076 (J)						
1/30/2019	0.0026			0.0021 (J)	0.002 (J)			
6/25/2019						0.0021	0.0024	0.0048
6/26/2019	0.0022	0.0022	0.0022	0.0029	0.0027			
9/10/2019						<0.002	0.0018 (J)	
9/11/2019		0.0034						
9/12/2019	0.0032		0.0026	0.0033	0.0049			
9/16/2019								0.0027
3/11/2020		<0.002	<0.002					
3/12/2020	0.0018 (J)					<0.002	<0.002	
3/16/2020				0.0017 (J)	<0.002			0.0015 (J)
9/9/2020				<0.002				
9/11/2020		<0.002	<0.002		<0.002			0.0017 (J)
9/14/2020						<0.002	<0.002	
9/16/2020	<0.002							
3/16/2021		<0.002	<0.002			<0.002	0.0027	0.0073 (o)
3/17/2021				0.0015 (J)	<0.002			
3/18/2021	<0.002							
8/18/2021			<0.002		<0.002			
8/19/2021				<0.002		<0.002		
8/20/2021							<0.002	
8/24/2021	<0.002	<0.002						
8/25/2021								0.0024
3/2/2022		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
3/9/2022	<0.002							<0.002

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
8/31/2011					0.0028	0.0028			
9/13/2011								0.013	<0.0025
9/16/2011	<0.0025		<0.0025						
9/17/2011		<0.0025		<0.0025					
10/27/2011	<0.0025	<0.0025				<0.0025			
10/28/2011			<0.0025	<0.0025				0.014	<0.0025
12/4/2011								0.011	<0.0025
12/12/2011			<0.0025	<0.0025					
12/13/2011	<0.0025								
12/14/2011		<0.0025				<0.0025			
1/24/2012									<0.0025
1/25/2012			<0.0025						
1/31/2012	<0.0025			<0.0025					
2/1/2012						0.0027			
2/7/2012		<0.0025							
2/9/2012								0.0091	
7/11/2012									<0.0025
7/16/2012			<0.0025						
7/17/2012				<0.0025					
7/18/2012	<0.0025							0.0061	
7/23/2012		<0.0025				0.0073			
1/8/2013								0.0035	<0.0025
1/23/2013		<0.0025				0.0029			
1/24/2013	<0.0025		<0.0025	<0.0025					
7/9/2013								0.0044	
7/10/2013									<0.0025
7/17/2013	<0.0025					0.0033			
7/23/2013			<0.0025						
7/24/2013		<0.0025		<0.0025					
1/15/2014						0.0076		0.0043	
1/21/2014	<0.0025								<0.0025
1/22/2014		<0.0025	<0.0025	<0.0025					
6/25/2014	<0.0025				0.00075 (J)	0.0044		0.011	
7/1/2014		0.00056 (J)	<0.0025						<0.0025
7/8/2014				<0.0025					
1/14/2015	0.00068 (J)					0.015			
1/21/2015			<0.0025	<0.0025				0.0057	<0.0025
1/22/2015		0.00067 (J)							
7/21/2015	<0.0025		<0.0025		0.00066 (J)	0.0053			
7/22/2015		<0.0025		<0.0025					
7/28/2015								0.009	<0.0025
1/19/2016				<0.0025 (D)					
1/20/2016		<0.0025				0.0034			
1/21/2016	<0.0025								
1/22/2016			<0.0025						
1/25/2016							0.0048		
1/26/2016								0.0025	<0.0025
3/22/2016			<0.0025	<0.0025					
3/23/2016	<0.0025	<0.0025				0.00443 (J)			
3/29/2016								0.00664 (J)	<0.0025
3/30/2016							0.0025 (J)		
3/31/2016					<0.0025				

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
5/19/2016				<0.0025		0.00361 (J)			
5/20/2016	<0.0025								
5/23/2016			<0.0025						
5/24/2016		<0.0025							
5/25/2016					<0.0025		0.00272 (J)	0.0102	<0.0025
7/21/2016	<0.0025			<0.0025		0.0058			
7/22/2016									<0.0025
7/25/2016			<0.0025					0.0059	
7/26/2016		<0.0025							
7/27/2016					<0.0025		0.0052		
9/14/2016						0.0075			
9/15/2016	<0.0025		<0.0025						<0.0025
9/16/2016		0.0011 (J)					0.0048		
9/19/2016								0.0061	
11/9/2016			<0.0025						
11/10/2016		<0.0025				0.01			
11/11/2016	<0.0025								
11/16/2016								0.005	<0.0025
11/17/2016							0.0095		
1/17/2017			<0.0025	<0.0025		0.013			
1/19/2017	<0.0025	<0.0025							
1/31/2017								0.012	<0.0025
2/1/2017							0.009		
3/16/2017	<0.0025		<0.0025			0.0059			
3/17/2017		<0.0025							
3/23/2017								0.013	<0.0025
3/24/2017							0.0026		
4/27/2017			<0.0025	<0.0025		0.0052			
4/28/2017	0.00044 (J)	0.00045 (J)							
5/2/2017								0.013	
5/3/2017							0.0073		<0.0025
7/18/2017				<0.0025					
8/1/2017			<0.0025	<0.0025	<0.0025				
8/2/2017		<0.0025				0.005			
8/3/2017	<0.0025								
8/7/2017								0.0099	<0.0025
8/8/2017							0.0037		
10/3/2017					<0.0025				
1/19/2018	<0.0025	<0.0025	<0.0025	<0.0025					
1/22/2018						0.0046			
1/24/2018								0.0047	<0.0025
1/25/2018							0.01		
6/19/2018	<0.0025	0.00061 (J)	<0.0025	<0.0025		0.005			
6/20/2018					<0.0025			0.0063	
6/21/2018							0.012		
6/26/2018									<0.0025
1/17/2019	0.00033 (J)	0.00018 (J)				0.0038			
1/18/2019				<0.0025	0.00011 (J)				
1/21/2019			<0.0025						
1/24/2019								0.0015 (J)	
1/25/2019									0.00032 (J)
1/31/2019							0.0063		

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
6/24/2019	0.00019 (J)	0.00019 (J)				0.006			
6/25/2019			<0.0025	0.00012 (J)	0.00042 (J)				
6/26/2019							0.0051	0.0037	0.00039 (J)
9/9/2019	0.00019 (J)								
9/10/2019		0.00029 (J)	<0.0025	8.9E-05 (J)		0.0062			
9/11/2019					0.00017 (J)				0.00017 (J)
9/16/2019								0.0034	
9/17/2019							0.006		
3/10/2020	0.00017 (J)	0.00017 (J)	<0.0025	<0.0025	0.00081 (J)	0.0035			
3/16/2020								0.0014 (J)	
3/17/2020							0.0038		
3/18/2020									0.0012 (J)
9/9/2020	<0.0025		<0.0025	<0.0025	0.00076 (J)	0.0047			
9/10/2020		0.00019 (J)					0.0046	0.0026	0.0043
3/15/2021	0.00022 (J)	0.00021 (J)	<0.0025	<0.0025	0.0015 (J)	0.0073			
3/16/2021									0.0013 (J)
3/17/2021								0.0034	
3/18/2021							0.0018 (J)		
8/16/2021	<0.0025		<0.0025						
8/18/2021		0.0002 (J)		<0.0025	0.00024 (J)	0.005			
8/19/2021									0.00044 (J)
8/20/2021							0.0041		
8/23/2021								0.0019 (J)	
2/28/2022	0.00087 (J)								
3/1/2022		<0.0025	<0.0025		0.00052 (J)	0.0067			
3/2/2022				<0.0025					
3/7/2022								0.0016 (J)	0.00071 (J)
3/8/2022							0.0028		

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
8/30/2011				0.0033 (O)	<0.0025	<0.0025	0.0042		
8/31/2011								<0.0025	0.0047
9/13/2011	<0.0025	<0.0025							
9/16/2011			<0.0025						
10/26/2011				<0.0025	<0.0025	<0.0025	<0.0025		
10/27/2011		0.044 (O)	<0.0025					<0.0025	0.0032
10/28/2011	<0.0025								
12/3/2011		0.0037	<0.0025	<0.0025	<0.0025	<0.0025	0.0036		
12/4/2011	<0.0025							<0.0025	0.003
1/24/2012	<0.0025	0.021							
1/25/2012				<0.0025	<0.0025				
2/8/2012							<0.0025	<0.0025	0.0035
2/9/2012			<0.0025			<0.0025			
7/11/2012	<0.0025	<0.005	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	
7/17/2012									0.0043
1/8/2013	<0.0025	<0.0013	<0.0025	<0.0025	<0.0025	<0.0025	0.0017	<0.0025	
1/9/2013									0.0019
7/2/2013			<0.0025	<0.0025					
7/10/2013	<0.0025	0.0014							
7/16/2013					<0.0025	<0.0025	<0.0025	<0.0025	0.0043
1/14/2014				<0.0025	<0.0025	<0.0025			
1/21/2014	<0.0025	0.043	<0.0025				0.00055 (J)	<0.0025	0.00093 (J)
6/24/2014			<0.0025			<0.0025	0.00071 (J)	0.00071 (J)	<0.0025
6/25/2014				<0.0025	<0.0025				
7/1/2014	<0.0025	0.0011 (J)							
1/13/2015				<0.0025		<0.0025	0.00085 (J)	<0.0025	0.00058 (J)
1/14/2015		0.019	0.00063 (J)		<0.0025				
1/21/2015	<0.0025								
7/22/2015		0.016	0.00065 (J)	<0.0025					
7/23/2015						<0.0025	0.00099 (J)	0.0011 (J)	<0.0025
7/28/2015	<0.0025				<0.0025				
1/26/2016									0.0015
1/27/2016	<0.0025	0.45	0.0016	<0.0025	<0.0025	<0.0025	0.00077 (J)	<0.0025	
3/29/2016	<0.0025								
3/30/2016		0.176	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
4/20/2016		0.13							
5/25/2016	<0.0025	0.0616	<0.0025	<0.0025	<0.0025				
5/26/2016						<0.0025	<0.0025	<0.0025	<0.0025
7/25/2016						<0.0025	<0.0025	0.00042 (J)	
7/26/2016	<0.0025	0.32	<0.0025						<0.0025
7/27/2016				<0.0025	<0.0025				
9/15/2016	<0.0025	0.014							
9/16/2016				<0.0025					
9/19/2016					<0.0025	<0.0025	<0.0025		
9/20/2016			<0.0025					0.00064 (J)	<0.0025
11/17/2016	<0.0025	0.01	0.001 (J)	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025	<0.0025
1/31/2017	<0.0025								
2/1/2017		0.2	<0.0025	<0.0025	<0.0025	<0.0025			
2/2/2017							0.011 (O)	<0.0025	0.0004 (J)
3/23/2017	<0.0025	0.14	0.0013 (J)						
3/24/2017				<0.0025	<0.0025	<0.0025	0.0016 (J)		
3/28/2017								<0.0025	0.00047 (J)

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
5/3/2017	<0.0025	0.23	0.00055 (J)	<0.0025	<0.0025	<0.0025	0.0017 (J)		
5/4/2017								<0.0025	0.00043 (J)
8/4/2017	<0.0025		0.0018 (J)						
8/7/2017		0.026		<0.0025	<0.0025	<0.0025	0.00081 (J)	<0.0025	0.0024 (J)
1/25/2018	<0.0025	0.23	0.00072 (J)	<0.0025	<0.0025	<0.0025	0.00047 (J)		
1/26/2018								0.00058 (J)	0.0048
6/20/2018	<0.0025	0.048	<0.0025	<0.0025					0.0031
6/21/2018						<0.0025	0.0009 (J)	<0.0025	
6/26/2018					<0.0025				
1/22/2019	<0.0025	0.22	0.00016 (J)						
1/24/2019					<0.0025				0.0028
1/25/2019				0.00013 (J)					
1/28/2019						<0.0025	0.00043 (J)	<0.0025	
6/25/2019	<0.0025	0.23	0.00012 (J)	<0.0025	<0.0025			0.00012 (J)	0.0028
6/26/2019							0.00042 (J)		
6/27/2019						<0.0025			
9/11/2019				<0.0025	<0.0025	<0.0025		<0.0025	0.0017
9/12/2019	<0.0025	0.013					0.00035 (J)		
9/17/2019			<0.0025						
3/12/2020	<0.0025								
3/16/2020			<0.0025						
3/17/2020		0.16		<0.0025	<0.0025	<0.0025			
3/18/2020							0.0016 (J)	<0.0025	0.0006 (J)
9/10/2020	<0.0025	0.078	<0.0025						
9/11/2020				<0.0025					
9/14/2020					<0.0025	<0.0025			
9/15/2020							0.0003 (J)	<0.0025	0.0027
3/16/2021					<0.0025	<0.0025		<0.0025	0.0022 (J)
3/17/2021	<0.0025	0.15		<0.0025			0.00038 (J)		
3/18/2021			<0.0025						
8/19/2021									0.0049
8/20/2021				<0.0025	<0.0025				
8/23/2021	<0.0025	0.31							
8/24/2021			0.00018 (J)			<0.0025	0.00053 (J)	<0.0025	
3/7/2022		0.19	<0.0025					<0.0025	0.0026
3/8/2022	<0.0025			<0.0025	<0.0025	<0.0025	0.00038 (J)		

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
9/15/2011	<0.0025						<0.0025		<0.0025
9/16/2011		0.0037 (O)							
9/17/2011				<0.0025	<0.0025	<0.0025		<0.0025	
10/28/2011							<0.0025		
10/29/2011	<0.0025	<0.0025			<0.0025	<0.0025			
10/31/2011				0.0042				<0.0025	<0.0025
12/13/2011	<0.0025	0.003 (O)					<0.0025		<0.0025
12/14/2011				0.0047	<0.0025	<0.0025			
1/25/2012	<0.0025					<0.0025			
1/31/2012		0.0027							
2/1/2012									<0.0025
2/7/2012				<0.0025	<0.0025			<0.0025	
2/8/2012							<0.0025		
7/17/2012				0.044	<0.0025	0.0023			<0.0025
7/18/2012	<0.0025	0.0021					<0.0025		
1/22/2013	<0.0025	0.002							
1/23/2013								<0.0025	<0.0025
1/24/2013					0.0018	0.0033	<0.0025		
7/16/2013	<0.0025								
7/23/2013		0.0013							
7/24/2013				0.041	<0.0025	0.0046	<0.0025		<0.0025
1/21/2014	<0.0025								
1/22/2014		0.00035 (J)							
1/23/2014				0.0077	0.00041 (J)	0.0024	<0.0025	<0.0025	<0.0025
6/25/2014	<0.0025								
7/1/2014		0.00088 (J)					<0.0025	<0.0025	<0.0025
7/8/2014			0.0023	0.028	<0.0025	0.0027			
1/14/2015	<0.0025								
1/20/2015							<0.0025		<0.0025
1/21/2015				0.0063	<0.0025	0.0025		<0.0025	
1/22/2015		<0.0025							
7/23/2015	<0.0025								
7/29/2015		0.00052 (J)							
7/30/2015				0.01		0.003	<0.0025		<0.0025
7/31/2015			0.0018		<0.0025				
1/19/2016							<0.0025		
1/20/2016			0.0023						
1/21/2016		<0.0025		0.0094					
1/22/2016						0.0018			
1/25/2016					<0.0025			<0.0025	<0.0025
1/26/2016	<0.0025								
3/23/2016						0.00275 (J)	<0.0025		<0.0025
3/24/2016					<0.0025				
3/28/2016				0.0117					
3/29/2016		<0.0025							
3/30/2016			<0.0025					<0.0025	
3/31/2016	<0.0025								
5/20/2016							<0.0025		
5/24/2016						0.0024 (J)			<0.0025
5/25/2016		<0.0025	<0.0025	0.0122	<0.0025			<0.0025	
5/26/2016	<0.0025								
7/21/2016							<0.0025		

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
7/22/2016									0.00058 (J)
7/26/2016	<0.0025				<0.0025	0.0043			
7/27/2016		<0.0025	0.00095 (J)	0.0065				0.0015	
9/16/2016			0.0053						0.00088 (J)
9/19/2016				0.0071	<0.0025	0.0024 (J)			
9/20/2016	<0.0025	<0.0025					<0.0025		
11/11/2016						0.0018 (J)			
11/14/2016					0.00061 (J)		<0.0025		
11/15/2016				0.029					<0.0025
11/17/2016	<0.0025								
11/18/2016		<0.0025	0.0011 (J)						
1/19/2017					<0.0025				
1/20/2017						0.0027			
1/24/2017				0.033			<0.0025		
1/25/2017								<0.0025	
1/26/2017									0.0013 (J)
2/3/2017	<0.0025	<0.0025	0.00097 (J)						
3/16/2017					<0.0025	0.0024 (J)			
3/17/2017							<0.0025		
3/23/2017				0.022				<0.0025	
3/24/2017									0.0012 (J)
3/28/2017	<0.0025	<0.0025							
3/29/2017			0.00059 (J)						
4/28/2017						0.0026			
5/1/2017					<0.0025		<0.0025		
5/2/2017				0.036				<0.0025	0.00095 (J)
5/3/2017	<0.0025								
5/4/2017		<0.0025	0.0011 (J)						
7/19/2017								<0.0025	
8/3/2017				0.00041 (J)	<0.0025	0.0024 (J)			0.00045 (J)
8/4/2017							<0.0025	<0.0025	
8/8/2017	<0.0025	<0.0025	0.0011 (J)						
1/19/2018						0.0019 (J)			
1/22/2018					<0.0025				
1/23/2018								<0.0025	0.00053 (J)
1/24/2018							<0.0025		
1/25/2018	<0.0025	<0.0025	0.00088 (J)	0.01					
6/20/2018	<0.0025	<0.0025							
6/21/2018							<0.0025		
6/26/2018									<0.0025
6/27/2018			0.00086 (J)	0.01	<0.0025	0.002 (J)		<0.0025	
1/24/2019	<0.0025			0.0014 (J)	0.00012 (J)	0.0019 (J)			
1/25/2019		8.4E-05 (J)							
1/30/2019							<0.0025		0.00012 (J)
1/31/2019			0.0029					<0.0025	
6/25/2019	<0.0025			0.001	0.00017 (J)				
6/26/2019		<0.0025	0.001			0.0023		<0.0025	
6/27/2019							<0.0025		0.00017 (J)
9/10/2019	<0.0025						<0.0025		
9/11/2019			0.0013	0.013				0.00044 (J)	
9/12/2019		9.3E-05 (J)			0.00012 (J)	0.0022			0.00087
3/11/2020							<0.0025		

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
3/12/2020			0.002 (J)	0.0066		0.0009 (J)			
3/13/2020					0.00015 (J)				
3/17/2020								0.00017 (J)	
3/18/2020	0.00027 (J)	0.00022 (J)							0.001 (J)
9/9/2020						0.0034			
9/10/2020	<0.0025	0.00016 (J)					<0.0025		
9/11/2020								<0.0025	
9/14/2020				0.0074					
9/15/2020			0.0018 (J)		<0.0025				<0.0025
3/15/2021	0.00013 (J)								
3/16/2021								0.00013 (J)	
3/17/2021				0.004	<0.0025				0.00021 (J)
3/18/2021		0.00024 (J)	0.0028			0.0017 (J)	<0.0025		
8/19/2021	<0.0025		0.0028	0.0041	<0.0025				
8/23/2021		<0.0025				0.0014 (J)	<0.0025		
8/24/2021									<0.0025
8/25/2021								<0.0025	
3/2/2022							<0.0025		
3/8/2022	<0.0025			0.0023 (J)		0.0013 (J)			
3/9/2022		<0.0025			<0.0025				<0.0025
3/10/2022			0.0011 (J)					<0.0025	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
8/31/2011				0.02	0.013			
9/7/2011						<0.0025	0.14 (O)	0.27 (O)
9/16/2011	<0.0025	<0.0025	<0.0025					
10/27/2011				0.038				
10/30/2011	0.0031				0.037 (o)	<0.0025	0.021	<0.0025
10/31/2011		<0.0025	<0.0025					
12/4/2011								0.14
12/5/2011				0.04	0.029 (o)	<0.0025	0.17 (O)	
12/12/2011		<0.0025	0.0025					
12/13/2011	0.0033							
1/19/2012							0.028	0.13
1/25/2012				0.043	0.018	<0.0025		
2/1/2012	<0.0025	<0.0025	<0.0025					
7/16/2012		<0.0025	0.0017					
7/17/2012	0.0037							
7/18/2012				0.028		0.017	0.037	0.12
7/24/2012					0.011			
1/7/2013						0.03	0.037	
1/8/2013					0.012			0.056
1/9/2013				0.037				
1/22/2013		<0.0025	0.0013					
1/23/2013	0.002							
7/2/2013			<0.0025					
7/9/2013					0.017	0.028	0.065	0.042
7/17/2013	0.0013	<0.0025		0.018				
1/14/2014						0.021	0.026	0.038
1/15/2014				0.018	0.017			
1/21/2014			0.00076 (J)					
1/23/2014	0.00071 (J)	<0.0025						
6/24/2014						0.011	0.034	0.039
6/25/2014		<0.0025	0.00093 (J)	0.019	0.0099			
1/13/2015				0.012				
1/14/2015		<0.0025	0.00069 (J)					
1/20/2015	0.0013				0.0098	0.0088	0.031	0.037
7/24/2015				0.013	0.012			
7/27/2015						0.0061	0.031	0.04
7/28/2015			0.00053 (J)					
7/29/2015	0.00054 (J)	<0.0025						
1/20/2016				0.012	0.01			
1/21/2016		<0.0025	0.0005 (J)					
1/25/2016	0.00082 (J)							
1/26/2016						0.002	0.021	0.028
3/23/2016	<0.0025							
3/24/2016		<0.0025	<0.0025					
3/28/2016				0.0101	0.0104			
3/29/2016						0.00652 (J)	0.0208	0.0328
5/23/2016		<0.0025	<0.0025	0.00701 (J)				
5/24/2016	0.0136				0.00926 (J)	0.00462 (J)	0.0649	0.0334
7/21/2016		<0.0025	<0.0025	0.0079	0.01			
7/22/2016	0.01					0.0042		
7/25/2016								0.051
7/26/2016							0.044	

Time Series

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
9/15/2016		<0.0025	<0.0025	0.02	0.014	0.0036		
9/16/2016	0.011							
9/19/2016							0.059	0.055
11/15/2016		0.00043 (J)	<0.0025	0.011				
11/16/2016					0.015	0.0044	0.064	0.061
11/17/2016	0.0032							
1/25/2017	<0.0025	<0.0025						
1/26/2017			<0.0025	0.0075	0.011	0.00091 (J)	0.0017 (J)	
1/31/2017								0.15
3/22/2017		<0.0025	<0.0025	0.0063	0.012	0.0016 (J)		
3/23/2017	0.0037						0.025	0.091
5/1/2017	0.0085	<0.0025						
5/2/2017			<0.0025	0.0036	0.0094	0.011		0.049
5/3/2017							0.047	
8/3/2017		0.027 (O)	<0.0025	0.0061	0.014			
8/4/2017	0.0023 (J)					0.0033		
8/7/2017							0.042	0.057
1/23/2018	0.0024 (J)	<0.0025	<0.0025	0.01	0.013	0.0028		
1/24/2018							0.014	0.044
6/19/2018			0.00042 (J)					
6/20/2018		<0.0025						
6/21/2018							0.04	0.049
6/25/2018				0.0049	0.014	0.0057		
6/26/2018	0.0042							
1/21/2019			0.00025 (J)			0.00051 (J)		
1/22/2019							0.013	0.028
1/28/2019		<0.0025						
1/30/2019	0.00012 (J)			0.00068 (J)	0.017			
6/25/2019						0.0039	0.035	0.043
6/26/2019	0.0025	<0.0025	0.00028 (J)	0.0054	0.012			
9/10/2019						0.0035	0.041	
9/11/2019		0.00011 (J)						
9/12/2019	0.00083		0.00027 (J)	0.0062	0.019			
9/16/2019								0.042
3/11/2020		<0.0025	0.00022 (J)					
3/12/2020	0.0013 (J)					0.00066 (J)	0.0047	
3/16/2020				0.0049	0.012			0.026
9/9/2020				0.0048				
9/11/2020		<0.0025	0.00028 (J)		0.017			0.045
9/14/2020						0.0028	0.028	
9/16/2020	0.0019 (J)							
3/16/2021		<0.0025	0.00026 (J)			0.00057 (J)	0.0052	0.035
3/17/2021				0.0042	0.015			
3/18/2021	0.00015 (J)							
8/18/2021			0.00022 (J)		0.013			
8/19/2021				0.0045		0.0023 (J)		
8/20/2021							0.013	
8/24/2021	<0.0025	<0.0025						
8/25/2021								0.027
3/2/2022		<0.0025	<0.0025	0.0048	0.011	0.00043 (J)	0.005	
3/9/2022	0.00031 (J)							0.024

Time Series

Constituent: Copper (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
8/31/2011					<0.002	<0.002			
9/13/2011								<0.002	<0.002
9/16/2011	<0.002		<0.002						
9/17/2011		<0.002		<0.002					
10/27/2011	<0.002	<0.002				<0.002			
10/28/2011			<0.002	<0.002				<0.002	<0.002
12/4/2011								<0.002	<0.002
12/12/2011			<0.002	<0.002					
12/13/2011	<0.002								
12/14/2011		<0.002				<0.002			
1/24/2012									<0.002
1/25/2012			<0.002						
1/31/2012	<0.002			0.018					
2/1/2012						<0.002			
2/7/2012		<0.002							
2/9/2012								<0.002	
7/11/2012									<0.002
7/16/2012			<0.002						
7/17/2012				0.0066					
7/18/2012	<0.002							<0.002	
7/23/2012		<0.002				<0.002			
1/8/2013								<0.002	<0.002
1/23/2013		<0.002				<0.002			
1/24/2013	<0.002		<0.002	0.015					
7/9/2013								<0.002	
7/10/2013									<0.002
7/17/2013	<0.002					<0.002			
7/23/2013			<0.002						
7/24/2013		<0.002		0.015					
1/15/2014						<0.002		0.0012 (J)	
1/21/2014	<0.002								<0.002
1/22/2014		<0.002	0.0012 (J)	0.015					
6/25/2014	<0.002				0.0016 (J)	<0.002		0.0012 (J)	
7/1/2014		0.0011 (J)	<0.002						<0.002
7/8/2014				0.0081 (D)					
1/14/2015	<0.002					<0.002			
1/21/2015			<0.002	0.0088				<0.002	<0.002
1/22/2015		<0.002							
7/21/2015	<0.002		<0.002		<0.002	<0.002			
7/22/2015		0.0012 (J)		0.0072					
7/28/2015								<0.002	<0.002
1/19/2016				0.0083 (D)					
1/20/2016		<0.002				<0.002			
1/21/2016	<0.002								
1/22/2016			<0.002						
1/25/2016							<0.002		
1/26/2016								0.001 (J)	<0.002
1/17/2017			<0.002	0.0065		<0.002			
1/19/2017	<0.002	<0.002							
1/31/2017								<0.002	<0.002
2/1/2017							<0.002		
8/1/2017			<0.002	0.0044	<0.002				

Time Series

Constituent: Copper (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
8/2/2017		<0.002				<0.002			
8/3/2017	<0.002								
8/7/2017								<0.002	<0.002
8/8/2017							<0.002		
1/19/2018	<0.002	<0.002	<0.002	0.0046					
1/22/2018						<0.002			
1/24/2018								<0.002	<0.002
1/25/2018							<0.002		
6/19/2018	<0.002	<0.002	<0.002	0.0063		<0.002			
6/20/2018					<0.002			<0.002	
6/21/2018							<0.002		
6/26/2018									<0.002
1/17/2019	<0.002	<0.002				<0.002			
1/18/2019				0.0059	<0.002				
1/21/2019			<0.002						
1/24/2019								<0.002	
1/25/2019									<0.002
1/31/2019							<0.002		
6/24/2019	<0.002	0.0011 (J)				<0.002			
6/25/2019			<0.002	0.0085	0.004				
6/26/2019							0.00064 (J)	<0.002	<0.002
9/9/2019	<0.002								
9/10/2019		0.0014 (J)	<0.002	0.0074		<0.002			
9/11/2019					0.0015 (J)				0.00096 (J)
9/16/2019								<0.002	
9/17/2019							0.0007 (J)		
3/10/2020	<0.002	<0.002	<0.002	0.004	0.0025	<0.002			
3/16/2020								<0.002	
3/17/2020							<0.002		
3/18/2020									<0.002
9/9/2020	<0.002		<0.002	0.0055	0.0029	<0.002			
9/10/2020		0.00099 (J)					0.0083 (o)	0.0034	<0.002
3/15/2021	<0.002	0.001 (J)	<0.002	0.0062	0.0031	<0.002			
3/16/2021									<0.002
3/17/2021								<0.002	
3/18/2021							<0.002		
8/16/2021	<0.002		<0.002						
8/18/2021		0.0011 (J)		0.006	0.0017 (J)	<0.002			
8/19/2021									<0.002
8/20/2021							<0.002		
8/23/2021								<0.002	
2/28/2022	<0.002								
3/1/2022		<0.002	<0.002		0.0025	<0.002			
3/2/2022				0.0053					
3/7/2022								<0.002	<0.002
3/8/2022							<0.002		

Time Series

Constituent: Copper (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
8/30/2011				<0.002	<0.002	<0.002	<0.002		
8/31/2011								<0.002	<0.002
9/13/2011	<0.002	<0.002							
9/16/2011			<0.002						
10/26/2011				<0.002	<0.002	<0.002	<0.002		
10/27/2011		<0.002	<0.002					<0.002	<0.002
10/28/2011	<0.002								
12/3/2011		<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		
12/4/2011	<0.002							<0.002	<0.002
1/24/2012	<0.002	<0.002							
1/25/2012				<0.002	<0.002				
2/8/2012							<0.002	<0.002	<0.002
2/9/2012			<0.002			<0.002			
7/11/2012	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
7/17/2012									<0.002
1/8/2013	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
1/9/2013									<0.002
7/2/2013			<0.002	<0.002					
7/10/2013	<0.002	<0.002							
7/16/2013					<0.002	<0.002	<0.002	<0.002	<0.002
1/14/2014				<0.002	<0.002	<0.002			
1/21/2014	<0.002	<0.002	<0.002				<0.002	<0.002	<0.002
6/24/2014			<0.002			<0.002	<0.002	<0.002	<0.002
6/25/2014				<0.002	<0.002				
7/1/2014	<0.002	0.0014 (J)							
1/13/2015				<0.002		<0.002	<0.002	<0.002	<0.002
1/14/2015		<0.002	<0.002		<0.002				
1/21/2015	<0.002								
7/22/2015		<0.002	<0.002	<0.002					
7/23/2015						<0.002	<0.002	<0.002	<0.002
7/28/2015	<0.002				0.00081 (J)				
1/26/2016									<0.002
1/27/2016	0.0021 (J)	0.0068 (O)	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	
1/31/2017	<0.002								
2/1/2017		<0.002	<0.002	<0.002	<0.002	<0.002			
2/2/2017							<0.002	<0.002	<0.002
8/4/2017	<0.002		<0.002						
8/7/2017		<0.002		<0.002	<0.002	<0.002	<0.002	0.0054 (O)	<0.002
1/25/2018	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		
1/26/2018								0.0025	<0.002
6/20/2018	<0.002	<0.002	<0.002	<0.002					<0.002
6/21/2018						<0.002	<0.002	<0.002	
6/26/2018					<0.002				
1/22/2019	<0.002	<0.002	0.003						
1/24/2019					<0.002				<0.002
1/25/2019				<0.002					
1/28/2019						<0.002	<0.002	<0.002	
6/25/2019	<0.002	0.0008 (J)	<0.002	<0.002	<0.002			<0.002	<0.002
6/26/2019							<0.002		
6/27/2019						<0.002			
9/11/2019				0.00065 (J)	0.00066 (J)	<0.002		0.00085 (J)	<0.002
9/12/2019	<0.002	0.0017 (J)					<0.002		

Time Series

Constituent: Copper (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
9/17/2019			<0.002						
3/12/2020	<0.002								
3/16/2020			<0.002						
3/17/2020		<0.002		<0.002	<0.002	<0.002			
3/18/2020							<0.002	<0.002	<0.002
9/10/2020	<0.002	<0.002	<0.002						
9/11/2020				<0.002					
9/14/2020					<0.002	<0.002			
9/15/2020							<0.002	<0.002	<0.002
3/16/2021					<0.002	<0.002		<0.002	0.0012 (J)
3/17/2021	0.00064 (J)	<0.002		<0.002			<0.002		
3/18/2021			<0.002						
8/19/2021									<0.002
8/20/2021				<0.002	<0.002				
8/23/2021	<0.002	<0.002							
8/24/2021			<0.002			<0.002	0.00094 (J)	<0.002	
3/7/2022		<0.002	<0.002					<0.002	<0.002
3/8/2022	<0.002			<0.002	<0.002	<0.002	<0.002		

Time Series

Constituent: Copper (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
9/15/2011	<0.002						<0.002		<0.002
9/16/2011		<0.002							
9/17/2011				<0.002	<0.002	<0.002		<0.002	
10/28/2011							<0.002		
10/29/2011	<0.002	<0.002			<0.002	<0.002			
10/31/2011				<0.002				<0.002	<0.002
12/13/2011	<0.002	<0.002					<0.002		<0.002
12/14/2011				<0.002	<0.002	<0.002			
1/25/2012	<0.002					<0.002			
1/31/2012		<0.002							
2/1/2012									<0.002
2/7/2012				<0.002	<0.002			<0.002	
2/8/2012							<0.002		
7/17/2012				<0.002	<0.002	<0.002			<0.002
7/18/2012	<0.002	<0.002					<0.002		
1/22/2013	<0.002	<0.002							
1/23/2013								<0.002	<0.002
1/24/2013					<0.002	<0.002	<0.002		
7/16/2013	<0.002								
7/23/2013		<0.002							
7/24/2013				<0.002	<0.002	<0.002	<0.002		<0.002
1/21/2014	<0.002								
1/22/2014		<0.002							
1/23/2014				0.0034 (J)	0.0027 (J)	<0.002	<0.002	0.0018 (J)	<0.002
6/25/2014	<0.002								
7/1/2014		0.0015 (J)					<0.002	0.0048 (J)	<0.002
7/8/2014			<0.002	0.0017 (J)	<0.002	<0.002			
1/14/2015	<0.002								
1/20/2015							<0.002		<0.002
1/21/2015				<0.002	<0.002	<0.002		<0.002	
1/22/2015		<0.002							
7/23/2015	<0.002								
7/29/2015		0.0012 (J)							
7/30/2015				0.0028 (J)		0.002 (J)	<0.002		<0.002
7/31/2015			0.0028 (J)		0.0024 (J)				
1/19/2016							<0.002		
1/20/2016			0.0012 (J)						
1/21/2016		<0.002		0.0029 (J)					
1/22/2016						0.0038 (JO)			
1/25/2016					<0.002			<0.002	<0.002
1/26/2016	<0.002								
1/19/2017					<0.002				
1/20/2017						<0.002			
1/24/2017				<0.002			<0.002		
1/25/2017								<0.002	
1/26/2017									<0.002
2/3/2017	<0.002	<0.002	<0.002						
8/3/2017				<0.002	<0.002	<0.002			<0.002
8/4/2017							<0.002	0.003	
8/8/2017	<0.002	<0.002	<0.002						
1/19/2018						<0.002			
1/22/2018					<0.002				

Time Series

Constituent: Copper (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
1/23/2018								0.0022 (J)	<0.002
1/24/2018							<0.002		
1/25/2018	<0.002	<0.002	<0.002	<0.002					
6/20/2018	<0.002	<0.002							
6/21/2018							<0.002		
6/26/2018									<0.002
6/27/2018			<0.002	<0.002	<0.002	<0.002		0.0036	
1/24/2019	<0.002			0.003	0.0017 (J)	<0.002			
1/25/2019		<0.002							
1/30/2019							<0.002		<0.002
1/31/2019			0.00063 (J)					0.00064 (J)	
6/25/2019	<0.002			0.0029	0.002				
6/26/2019		<0.002	0.00094 (J)			<0.002		0.0019 (J)	
6/27/2019							<0.002		<0.002
9/10/2019	0.001 (J)						<0.002		
9/11/2019			0.0013 (J)	0.0072 (o)				0.0063	
9/12/2019		0.00068 (J)			0.001 (J)	0.0011 (J)			<0.002
1/14/2020				0.0025				0.005	
3/11/2020							<0.002		
3/12/2020			0.0012 (J)	0.0022		<0.002			
3/13/2020					0.00078 (J)				
3/17/2020								0.0014 (J)	
3/18/2020	<0.002	<0.002							<0.002
9/9/2020						<0.002			
9/10/2020	<0.002	<0.002					<0.002		
9/11/2020								0.0013 (J)	
9/14/2020				0.0034					
9/15/2020			0.0023		<0.002				<0.002
3/15/2021	<0.002								
3/16/2021								0.0029	
3/17/2021				0.0018 (J)	<0.002				<0.002
3/18/2021		0.00066 (J)	0.0022			0.00066 (J)	<0.002		
8/19/2021	<0.002		0.001 (J)	0.0016 (J)	0.0011 (J)				
8/23/2021		0.0011 (J)				<0.002	<0.002		
8/24/2021									<0.002
8/25/2021								0.0019 (J)	
3/2/2022							<0.002		
3/8/2022	0.0024			<0.002		<0.002			
3/9/2022		<0.002			<0.002				<0.002
3/10/2022			<0.002					<0.002	

Time Series

Constituent: Copper (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
8/31/2011				<0.002	<0.002			
9/7/2011						<0.002	<0.002	<0.002
9/16/2011	<0.002	<0.002	<0.002					
10/27/2011				<0.002				
10/30/2011	<0.002				<0.002	<0.002	<0.002	<0.002
10/31/2011		<0.002	<0.002					
12/4/2011								<0.002
12/5/2011				<0.002	<0.002	<0.002	<0.002	
12/12/2011		<0.002	<0.002					
12/13/2011	<0.002							
1/19/2012							<0.002	<0.002
1/25/2012				<0.002	<0.002	<0.002		
2/1/2012	<0.002	<0.002	<0.002					
7/16/2012		<0.002	<0.002					
7/17/2012	<0.002							
7/18/2012				<0.002		<0.002	<0.002	<0.002
7/24/2012					<0.002			
1/7/2013						<0.002	<0.002	
1/8/2013					<0.002			<0.002
1/9/2013				<0.002				
1/22/2013		<0.002	<0.002					
1/23/2013	<0.002							
7/2/2013			<0.002					
7/9/2013					<0.002	<0.002	<0.002	<0.002
7/17/2013	<0.002	<0.002		<0.002				
1/14/2014						<0.002	0.001 (J)	<0.002
1/15/2014				0.0012 (J)	0.0031 (J)			
1/21/2014			0.0017 (J)					
1/23/2014	<0.002	<0.002						
6/24/2014						<0.002	<0.002	<0.002
6/25/2014		<0.002	0.00087 (J)	0.00098 (J)	<0.002			
1/13/2015				0.00095 (J)				
1/14/2015		<0.002	<0.002					
1/20/2015	<0.002				<0.002	<0.002	0.0014 (J)	<0.002
7/24/2015				<0.002	<0.002			
7/27/2015						<0.002	<0.002	<0.002
7/28/2015			0.0008 (J)					
7/29/2015	0.0012 (J)	<0.002						
1/20/2016				<0.002	0.0011 (J)			
1/21/2016		<0.002	0.00095 (J)					
1/25/2016	<0.002							
1/26/2016						<0.002	0.0013 (J)	0.0022 (J)
1/25/2017	<0.002	<0.002						
1/26/2017			<0.002	<0.002	<0.002	<0.002	0.0021 (J)	
1/31/2017								0.0021 (J)
8/3/2017		<0.002	<0.002	<0.002	<0.002			
8/4/2017	<0.002					<0.002		
8/7/2017							0.0035	<0.002
1/23/2018	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002		
1/24/2018							<0.002	<0.002
6/19/2018			<0.002					
6/20/2018		<0.002						

Time Series

Constituent: Copper (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
6/21/2018							0.0024 (J)	0.0026
6/25/2018				<0.002	<0.002	<0.002		
6/26/2018	<0.002							
1/21/2019			<0.002			<0.002		
1/22/2019							<0.002	<0.002
1/28/2019		<0.002						
1/30/2019	<0.002			<0.002	<0.002			
6/25/2019						<0.002	0.00074 (J)	<0.002
6/26/2019	<0.002	<0.002	<0.002	<0.002	<0.002			
9/10/2019						<0.002	0.00065 (J)	
9/11/2019		0.0013 (J)						
9/12/2019	<0.002		<0.002	<0.002	<0.002			
9/16/2019								<0.002
3/11/2020		<0.002	0.00072 (J)					
3/12/2020	<0.002					<0.002	0.0014 (J)	
3/16/2020				<0.002	<0.002			0.00077 (J)
9/9/2020				<0.002				
9/11/2020		<0.002	<0.002		<0.002			<0.002
9/14/2020						<0.002	<0.002	
9/16/2020	0.00079 (J)							
3/16/2021		<0.002	<0.002			<0.002	0.001 (J)	<0.002
3/17/2021				<0.002	<0.002			
3/18/2021	<0.002							
8/18/2021			<0.002		<0.002			
8/19/2021				<0.002		<0.002		
8/20/2021							0.0013 (J)	
8/24/2021	<0.002	<0.002						
8/25/2021								<0.002
3/2/2022		<0.002	<0.002	<0.002	<0.002	<0.002	0.0019 (J)	
3/9/2022	<0.002							<0.002

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
3/22/2016			1.4375	2.2163					
3/23/2016	0.019 (J)	0.0276 (J)				0.0713 (J)			
3/29/2016								0.1377 (J)	0.1936 (J)
3/30/2016							1.2013		
3/31/2016					0.0551 (J)				
5/19/2016				2.35		0.078 (J)			
5/20/2016	0.02 (J)								
5/23/2016			1.62						
5/24/2016		0.023 (J)							
5/25/2016					0.0485 (J)		1.34	0.1521 (J)	0.1797 (J)
7/21/2016	<0.1			3.2		<0.1			
7/22/2016									0.22
7/25/2016			1.7					0.21	
7/26/2016		<0.1							
7/27/2016					<0.1		1.5		
9/14/2016						<0.1			
9/15/2016	<0.1		1.6						0.18 (J)
9/16/2016		<0.1					1.3		
9/19/2016								0.15 (J)	
11/9/2016			1.7						
11/10/2016		<0.1				<0.1			
11/11/2016	<0.1								
11/16/2016								0.14 (J)	0.16 (J)
11/17/2016							0.76		
1/17/2017			1.6	2.6		<0.1			
1/19/2017	<0.1	<0.1							
1/31/2017								<0.1	0.19 (J)
2/1/2017							1.3		
3/16/2017	<0.1		1.7			<0.1			
3/17/2017		<0.1							
3/23/2017								0.097 (J)	0.17 (J)
3/24/2017							1.3		
4/27/2017			1.4	2.5		<0.1			
4/28/2017	<0.1	<0.1							
5/2/2017								0.11 (J)	
5/3/2017							1.1		0.19 (J)
7/18/2017				2.2					
8/1/2017				2.5					
10/3/2017		<0.1	1.7	2.3	<0.1	<0.1			
10/4/2017	<0.1						1.2	0.16 (J)	0.2
1/19/2018	<0.1	<0.1	1.4	2.1					
1/22/2018						<0.1			
1/24/2018								0.11 (J)	0.16 (J)
1/25/2018							0.75		
6/19/2018	<0.1	<0.1	1.6	2.3		0.084 (J)			
6/20/2018					<0.1			0.13 (J)	
6/21/2018							0.76		
6/26/2018									0.18 (J)
9/25/2018	<0.1	<0.1	1.7	2.3		<0.1			
9/27/2018							0.59	0.12 (J)	
9/28/2018									0.2
1/17/2019	<0.1	<0.1				0.06 (J)			

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
1/18/2019				2	0.028 (J)				
1/21/2019			1.6						
1/24/2019								0.076 (J)	
1/25/2019									0.21
1/31/2019							0.78		
6/24/2019	0.031 (J)	0.032 (J)				0.08 (J)			
6/25/2019			1.9	0.034 (J)	0.03 (J)				
6/26/2019							0.68	0.096 (J)	0.16 (J)
9/9/2019	<0.1								
9/10/2019		<0.1	1.8	2.6		0.091 (J)			
9/11/2019					0.033 (J)				0.17
9/16/2019								0.12 (J)	
9/17/2019							0.29		
3/10/2020	<0.1	<0.1	2	1.7	0.035 (J)	0.056 (J)			
3/16/2020								0.051 (J)	
3/17/2020							0.74		
3/18/2020									0.058 (J)
9/9/2020	<0.1		1.8	1.9	0.032 (J)	0.06 (J)			
9/10/2020		<0.1					0.81	0.14	0.16
3/15/2021	0.036 (J)	<0.1	1.3	1.7	0.027 (J)	0.046 (J)			
3/16/2021									0.14
3/17/2021								0.08 (J)	
3/18/2021							1.1		
8/16/2021	<0.1		1.6						
8/18/2021		<0.1		2	0.035 (J)	0.079 (J)			
8/19/2021									0.26
8/20/2021							0.89		
8/23/2021								0.21	
2/28/2022	<0.1								
3/1/2022		<0.1	1.3		<0.1	0.035 (J)			
3/2/2022				1.8					
3/7/2022								0.14	0.18
3/8/2022							1.2		

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
3/29/2016	0.1084 (J)								
3/30/2016		0.0355 (J)	0.0785 (J)	0.0391 (J)	0.0422 (J)	0.0362 (J)	0.0369 (J)	0.04 (J)	0.0137 (J)
5/25/2016	0.1002 (J)	0.0265 (J)	0.0757 (J)	0.034 (J)	0.045 (J)				
5/26/2016						0.038 (J)	0.031 (J)	0.041 (J)	0.014 (J)
7/25/2016						<0.1	<0.1	<0.1	
7/26/2016	0.12 (J)	0.1 (J)	0.11 (J)						<0.1
7/27/2016				<0.1	<0.1				
9/15/2016	0.1 (J)	<0.1							
9/16/2016				<0.1					
9/19/2016					<0.1	<0.1	<0.1		
9/20/2016			<0.1					<0.1	<0.1
11/17/2016	0.092 (J)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
1/31/2017	0.11 (J)								
2/1/2017		<0.1	0.086 (J)	<0.1	<0.1	<0.1			
2/2/2017							<0.1	<0.1	<0.1
3/23/2017	0.088 (J)	<0.1	<0.1						
3/24/2017				<0.1	<0.1	<0.1	<0.1		
3/28/2017								<0.1	<0.1
5/3/2017	0.098 (J)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		
5/4/2017								<0.1	<0.1
10/4/2017		<0.1	<0.1		<0.1				
10/5/2017	0.1 (J)			<0.1		<0.1	<0.1		
10/6/2017								<0.1	<0.1
1/25/2018	0.1 (J)	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1		
1/26/2018								<0.1	<0.1
6/20/2018	0.11 (J)	<0.1	0.093 (J)	<0.1					<0.1
6/21/2018						<0.1	<0.1	<0.1	
6/26/2018					<0.1				
9/27/2018							<0.1	<0.1	<0.1
9/28/2018						<0.1			
10/1/2018		0.083 (J)	0.1 (J)	<0.1					
10/2/2018	0.13 (J)				<0.1				
1/22/2019	0.1 (J)	0.057 (J)	0.071 (J)						
1/24/2019					<0.1				<0.1
1/25/2019				0.027 (J)					
1/28/2019						<0.1	<0.1	<0.1	
6/25/2019	0.084 (J)	0.054 (J)	0.068 (J)	0.052 (J)	0.051 (J)			0.049 (J)	0.032 (J)
6/26/2019							0.046 (J)		
6/27/2019						0.046 (J)			
9/11/2019				0.038 (J)	0.043 (J)	0.036 (J)		0.039 (J)	<0.1
9/12/2019	0.065 (J)	<0.1					0.031 (J)		
9/17/2019			0.071 (J)						
3/12/2020	0.044 (J)								
3/16/2020			0.07 (J)						
3/17/2020		0.046 (J)		<0.1	<0.1	<0.1			
3/18/2020							0.068 (J)	0.048 (J)	0.034 (J)
9/10/2020	0.1	0.038 (J)	0.08 (J)						
9/11/2020				0.04 (J)					
9/14/2020					0.056 (J)	0.033 (J)			
9/15/2020							<0.1	0.033 (J)	<0.1
3/16/2021					0.034 (J)	0.029 (J)		0.031 (J)	<0.1
3/17/2021	0.1	0.036 (J)		0.031 (J)			<0.1		

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
3/18/2021			0.073 (J)						
8/19/2021									0.48 (J)
8/20/2021				0.065 (J)	0.091 (J)				
8/23/2021	0.12	0.068 (J)							
8/24/2021			0.13			0.083 (J)	0.078 (J)	0.077 (J)	
3/7/2022		0.071 (J)	0.12					0.07 (J)	0.043 (J)
3/8/2022	0.13			0.057 (J)	0.057 (J)	0.058 (J)	0.046 (J)		

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
3/23/2016						0.4759	0.0999 (J)		2.1209
3/24/2016					0.0318 (J)				
3/28/2016				0.0542 (J)					
3/29/2016		0.0308 (J)							
3/30/2016			0.0255 (J)					1.5245	
3/31/2016	0.0429 (J)								
5/20/2016							0.104 (J)		
5/24/2016						0.198 (J)			2.71
5/25/2016		0.0285 (J)	0.0182 (J)		0.0282 (J)			1.65	
5/26/2016	0.048 (J)			0.034 (J)					
7/21/2016							0.11 (J)		
7/22/2016									3.5
7/26/2016	<0.1				<0.1	1.2			
7/27/2016		<0.1	<0.1	<0.1					
9/16/2016			<0.1						3.5
9/19/2016				<0.1	<0.1	0.64			
9/20/2016	<0.1	<0.1					0.092 (J)		
11/11/2016						1.2			
11/14/2016					<0.1		<0.1		
11/15/2016				<0.1					3.2
11/17/2016	<0.1								
11/18/2016		<0.1	<0.1						
1/19/2017					<0.1				
1/20/2017						0.83			
1/24/2017				<0.1			0.094 (J)		
1/25/2017								1.4	
1/26/2017									3.9
2/3/2017	<0.1	<0.1	<0.1						
3/16/2017					<0.1	0.32			
3/17/2017							0.084 (J)		
3/23/2017				<0.1					
3/24/2017									3.2
3/28/2017	<0.1	<0.1							
3/29/2017			<0.1						
4/28/2017						0.83			
5/1/2017					<0.1		0.092 (J)		
5/2/2017				<0.1					3.5
5/3/2017	<0.1								
5/4/2017		<0.1	<0.1						
7/19/2017								1.6	
10/3/2017						0.18 (J)			
10/4/2017					<0.1		0.091 (J)		
10/5/2017	<0.1	<0.1	<0.1	<0.1					
10/6/2017								1.6	3.5
1/19/2018						0.6			
1/22/2018					<0.1				
1/23/2018								1.5	3.1
1/24/2018							<0.1		
1/25/2018	<0.1	<0.1	<0.1	<0.1					
6/20/2018	<0.1	<0.1							
6/21/2018							<0.1		
6/26/2018									2.6

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
6/27/2018			<0.1	<0.1	<0.1	0.73		1.6	
9/26/2018				<0.1					
9/27/2018					<0.1	0.91			
9/28/2018			<0.1						
10/1/2018	<0.1	<0.1							
10/2/2018									2.4
10/3/2018							0.13 (J)	1.7	
1/24/2019	<0.1			<0.1	<0.1	0.039 (J)			
1/25/2019		<0.1							
1/30/2019							0.1 (J)		2.3
1/31/2019			<0.1					1.3	
6/25/2019	0.052 (J)			0.033 (J)	0.047 (J)				
6/26/2019		0.042 (J)	0.04 (J)			0.85		1.3	
6/27/2019							0.073 (J)		2
9/10/2019	<0.1						0.1 (J)		
9/11/2019			<0.1	0.039 (J)					
9/12/2019		0.033 (J)			<0.1	0.18			2.8
3/11/2020							0.066 (J)		
3/12/2020			<0.1	0.032 (J)		0.044 (J)			
3/13/2020					0.026 (J)				
3/17/2020								1.2	
3/18/2020	0.056 (J)	0.034 (J)							2.8
9/9/2020						0.8			
9/10/2020	0.043 (J)	0.029 (J)					0.081 (J)		
9/11/2020								1.5	
9/14/2020				0.031 (J)					
9/15/2020			<0.1		<0.1				2.2
3/15/2021	0.045 (J)								
3/16/2021								1.3	
3/17/2021				0.03 (J)	<0.1				2.3
3/18/2021		<0.1	<0.1			0.72	0.072 (J)		
8/19/2021	0.031 (J)		0.089 (J)	0.11	0.1				
8/23/2021		0.051 (J)				0.27	0.12		
8/24/2021									2.1
8/25/2021								1.5	
3/2/2022							0.047 (J)		
3/8/2022	0.054 (J)			0.057 (J)		0.5			
3/9/2022		0.049 (J)			0.049 (J)				1.9
3/10/2022			0.037 (J)					1.5	

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/23/2016	2.8158							
3/24/2016		0.1653 (J)	0.0396 (J)					
3/28/2016				0.1116 (J)	0.0752 (J)			
3/29/2016						0.2179 (J)	0.0698 (J)	0.0671 (J)
5/23/2016		0.155 (J)	0.0343 (J)	0.1022 (J)				
5/24/2016					0.081 (J)	0.216 (J)	0.072 (J)	0.06 (J)
7/21/2016		0.19 (J)	<0.1	0.11 (J)	0.088 (J)			
7/22/2016						0.23		
7/25/2016								0.096 (J)
7/26/2016							0.092 (J)	
9/15/2016		0.16 (J)	<0.1	0.084 (J)	0.084 (J)	0.22		
9/19/2016							<0.1	<0.1
11/15/2016		0.14 (J)	<0.1	<0.1				
11/16/2016					<0.1	0.22	<0.1	<0.1
11/17/2016	4.1							
1/25/2017	5.6	0.16 (J)						
1/26/2017			<0.1	<0.1	<0.1	0.23	<0.1	
1/31/2017								<0.1
3/22/2017		0.14 (J)	<0.1	<0.1	<0.1	0.2		
3/23/2017	3.1						<0.1	0.12 (J)
5/1/2017	4.2	0.16 (J)						
5/2/2017			<0.1	0.1 (J)	<0.1	0.21		<0.1
5/3/2017							<0.1	
7/19/2017	3.4							
8/4/2017	4							
8/24/2017	4.2							
10/3/2017		0.17 (J)	<0.1	0.089 (J)	<0.1	0.23		<0.1
10/5/2017	3.9						0.085 (J)	
1/23/2018	3.4	0.13 (J)	<0.1	0.085 (J)	<0.1	0.17 (J)		
1/24/2018							<0.1	<0.1
6/19/2018			<0.1					
6/20/2018		0.18 (J)						
6/21/2018							<0.1	<0.1
6/25/2018				0.097 (J)	<0.1	0.25		
6/26/2018	2.1							
9/25/2018					<0.1			
9/26/2018							<0.1	0.082 (J)
10/1/2018			<0.1					
10/2/2018	2.1	0.18 (J)				0.25		
10/3/2018				0.13 (J)				
1/21/2019			0.031 (J)			0.22		
1/22/2019							0.062 (J)	0.065 (J)
1/28/2019		0.19 (J)						
1/30/2019	2.3			0.11 (J)	0.078 (J)			
6/25/2019						0.21	0.055 (J)	0.066 (J)
6/26/2019	2.4	0.11 (J)	0.045 (J)	0.081 (J)	0.059 (J)			
9/10/2019						0.28	0.1 (J)	
9/11/2019		0.15						
9/12/2019	2.4		0.038 (J)	0.078 (J)	0.076 (J)			
9/16/2019								0.062 (J)
3/11/2020		0.18 (J)	0.035 (J)					
3/12/2020	2.1					0.16	0.043 (J)	

Time Series

Constituent: Fluoride, total (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/16/2020				0.076 (J)	0.073 (J)			0.08 (J)
9/9/2020				0.096 (J)				
9/11/2020		0.15	0.034 (J)		0.079 (J)			0.082 (J)
9/14/2020						0.19	0.062 (J)	
9/16/2020	1.4							
3/16/2021		0.13	0.03 (J)			0.21	0.044 (J)	0.043 (J)
3/17/2021				0.094 (J)	0.073 (J)			
3/18/2021	2.1							
8/18/2021			0.11		0.14			
8/19/2021				0.19		0.35		
8/20/2021							0.1	
8/24/2021	1.1	0.22						
8/25/2021								0.1
3/2/2022		0.086 (J)	<0.1	0.093 (J)	0.082 (J)	0.16	0.058 (J)	
3/9/2022	2.1							0.068 (J)

Time Series

Constituent: Lead (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
8/31/2011					<0.001	<0.001			
9/13/2011								<0.001	<0.001
9/16/2011	<0.001		<0.001						
9/17/2011		<0.001		<0.001					
10/27/2011	<0.001	<0.001				<0.001			
10/28/2011			<0.001	<0.001				<0.001	<0.001
12/4/2011								<0.001	<0.001
12/12/2011			<0.001	<0.001					
12/13/2011	<0.001								
12/14/2011		<0.001				<0.001			
1/24/2012									<0.001
1/25/2012			<0.001						
1/31/2012	<0.001			<0.001					
2/1/2012						<0.001			
2/7/2012		<0.001							
2/9/2012								<0.001	
7/11/2012									<0.001
7/16/2012			<0.001						
7/17/2012				<0.001					
7/18/2012	<0.001							<0.001	
7/23/2012		<0.001				<0.001			
1/8/2013								<0.001	<0.001
1/23/2013		<0.001				<0.001			
1/24/2013	<0.001		<0.001	<0.001					
7/9/2013								<0.001	
7/10/2013									<0.001
7/17/2013	<0.001					<0.001			
7/23/2013			<0.001						
7/24/2013		<0.001		<0.001					
1/15/2014						<0.001		<0.001	
1/21/2014	<0.001								<0.001
1/22/2014		<0.001	<0.001	<0.001					
6/25/2014	<0.001				<0.001	<0.001		<0.001	
7/1/2014		<0.001	<0.001						<0.001
7/8/2014				<0.001 (D)					
1/14/2015	<0.001					<0.001			
1/21/2015			<0.001	<0.001				<0.001	<0.001
1/22/2015		<0.001							
7/21/2015	<0.001		<0.001		<0.001	<0.001			
7/22/2015		<0.001		<0.001					
7/28/2015								<0.001	<0.001
1/19/2016				<0.001 (D)					
1/20/2016		<0.001				<0.001			
1/21/2016	<0.001								
1/22/2016			<0.001						
1/25/2016							<0.001		
1/26/2016								<0.001	<0.001
3/22/2016			<0.001	<0.001					
3/23/2016	<0.001	<0.001				<0.001			
3/29/2016								<0.001	<0.001
3/30/2016							<0.001		
3/31/2016					<0.001				

Time Series

Constituent: Lead (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
5/19/2016				<0.001		<0.001			
5/20/2016	<0.001								
5/23/2016			<0.001						
5/24/2016		<0.001							
5/25/2016					<0.001		<0.001	<0.001	<0.001
7/21/2016	<0.001			<0.001		<0.001			
7/22/2016									<0.001
7/25/2016			<0.001					<0.001	
7/26/2016		<0.001							
7/27/2016					<0.001		0.0013		
9/14/2016						<0.001			
9/15/2016	<0.001		<0.001						<0.001
9/16/2016		<0.001					<0.001		
9/19/2016								<0.001	
11/9/2016			<0.001						
11/10/2016		<0.001				<0.001			
11/11/2016	<0.001								
11/16/2016								<0.001	<0.001
11/17/2016							<0.001		
1/17/2017			<0.001	<0.001		<0.001			
1/19/2017	<0.001	<0.001							
1/31/2017								<0.001	<0.001
2/1/2017							<0.001		
3/16/2017	<0.001		<0.001			<0.001			
3/17/2017		<0.001							
3/23/2017								<0.001	<0.001
3/24/2017							<0.001		
4/27/2017			<0.001	<0.001		<0.001			
4/28/2017	<0.001	<0.001							
5/2/2017								<0.001	
5/3/2017							<0.001		<0.001
7/18/2017				<0.001					
8/1/2017			<0.001	<0.001	<0.001				
8/2/2017		<0.001				<0.001			
8/3/2017	<0.001								
8/7/2017								<0.001	<0.001
8/8/2017							<0.001		
10/3/2017					<0.001				
1/19/2018	<0.001	<0.001	<0.001	<0.001					
1/22/2018						<0.001			
1/24/2018								<0.001	<0.001
1/25/2018							<0.001		
6/19/2018	<0.001	<0.001	<0.001	<0.001		<0.001			
6/20/2018					<0.001			<0.001	
6/21/2018							<0.001		
6/26/2018									<0.001
1/17/2019	<0.001	<0.001				<0.001			
1/18/2019				<0.001	0.00011 (J)				
1/21/2019			<0.001						
1/24/2019								<0.001	
1/25/2019									<0.001
1/31/2019							0.00013 (J)		

Time Series

Constituent: Lead (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
6/24/2019	<0.001	<0.001				<0.001			
6/25/2019			<0.001	0.00029 (J)	<0.001				
6/26/2019							<0.001	<0.001	<0.001
9/9/2019	<0.001								
9/10/2019		0.00014 (J)	<0.001	0.00028 (J)		<0.001			
9/11/2019					0.00017 (J)				<0.001
9/16/2019								<0.001	
9/17/2019							0.00014 (J)		
3/10/2020	<0.001	<0.001	<0.001	<0.001	0.002	<0.001			
3/16/2020								0.00037 (J)	
3/17/2020							0.00015 (J)		
3/18/2020									0.0002 (J)
9/9/2020	<0.001		0.00024 (J)	0.00013 (J)	0.00014 (J)	<0.001			
9/10/2020		<0.001					0.0022	0.00023 (J)	<0.001
12/2/2020							<0.001		
3/15/2021	<0.001	<0.001	<0.001	0.00013 (J)	<0.001	<0.001			
3/16/2021									<0.001
3/17/2021								<0.001	
3/18/2021							0.00013 (J)		
8/16/2021	<0.001		<0.001						
8/18/2021		<0.001		0.00021 (J)	<0.001	0.00031 (J)			
8/19/2021									<0.001
8/20/2021							<0.001		
8/23/2021								<0.001	
2/28/2022	<0.001								
3/1/2022		<0.001	<0.001		<0.001	<0.001			
3/2/2022				<0.001					
3/7/2022								<0.001	<0.001
3/8/2022							<0.001		

Time Series

Constituent: Lead (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
8/30/2011				<0.001	<0.001	<0.001	<0.001		
8/31/2011								<0.001	<0.001
9/13/2011	<0.001	<0.001							
9/16/2011			<0.001						
10/26/2011				<0.001	<0.001	<0.001	<0.001		
10/27/2011		<0.001	<0.001					<0.001	<0.001
10/28/2011	<0.001								
12/3/2011		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
12/4/2011	<0.001							<0.001	<0.001
1/24/2012	<0.001	<0.001							
1/25/2012				<0.001	<0.001				
2/8/2012							<0.001	<0.001	<0.001
2/9/2012			<0.001			<0.001			
7/11/2012	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
7/17/2012									<0.001
1/8/2013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
1/9/2013									<0.001
7/2/2013			<0.001	<0.001					
7/10/2013	<0.001	<0.001							
7/16/2013					<0.001	<0.001	<0.001	<0.001	<0.001
1/14/2014				<0.001	<0.001	<0.001			
1/21/2014	<0.001	<0.001	<0.001				<0.001	<0.001	<0.001
6/24/2014			<0.001			<0.001	<0.001	<0.001	<0.001
6/25/2014				<0.001	<0.001				
7/1/2014	<0.001	<0.001							
1/13/2015				<0.001		0.0026 (JO)	<0.001	<0.001	<0.001
1/14/2015		<0.001	<0.001		<0.001				
1/21/2015	<0.001								
7/22/2015		<0.001	<0.001	<0.001					
7/23/2015						<0.001	<0.001	<0.001	<0.001
7/28/2015	<0.001				<0.001				
1/26/2016									<0.001
1/27/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
3/29/2016	<0.001								
3/30/2016		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
5/25/2016	<0.001	<0.001	<0.001	<0.001	<0.001				
5/26/2016						<0.001	<0.001	<0.001	<0.001
7/25/2016						<0.001	<0.001	<0.001	
7/26/2016	<0.001	<0.001	<0.001						<0.001
7/27/2016				<0.001	<0.001				
9/15/2016	<0.001	<0.001							
9/16/2016				<0.001					
9/19/2016					<0.001	<0.001	<0.001		
9/20/2016			<0.001					<0.001	<0.001
11/17/2016	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1/31/2017	<0.001								
2/1/2017		<0.001	<0.001	<0.001	0.0009 (J)	<0.001			
2/2/2017							<0.001	<0.001	<0.001
3/23/2017	<0.001	<0.001	<0.001						
3/24/2017				<0.001	<0.001	<0.001	<0.001		
3/28/2017								<0.001	<0.001
5/3/2017	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	0.0013		

Time Series

Constituent: Lead (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
5/4/2017								<0.001	<0.001
8/4/2017	<0.001		<0.001						
8/7/2017		<0.001		<0.001	<0.001	<0.001	<0.001	0.011 (O)	<0.001
1/25/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
1/26/2018								<0.001	<0.001
6/20/2018	<0.001	<0.001	<0.001	<0.001					<0.001
6/21/2018						<0.001	<0.001	<0.001	
6/26/2018					<0.001				
1/22/2019	<0.001	<0.001	<0.001						
1/24/2019					<0.001				<0.001
1/25/2019				<0.001					
1/28/2019						0.00016 (J)	0.00011 (J)	0.00014 (J)	
6/25/2019	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001
6/26/2019							<0.001		
6/27/2019						<0.001			
9/11/2019				<0.001	<0.001	<0.001		<0.001	0.00017 (J)
9/12/2019	<0.001	<0.001					<0.001		
9/17/2019			<0.001						
3/12/2020	<0.001								
3/16/2020			0.00014 (J)						
3/17/2020		<0.001		<0.001	<0.001	<0.001			
3/18/2020							<0.001	<0.001	<0.001
9/10/2020	<0.001	<0.001	<0.001						
9/11/2020				<0.001					
9/14/2020					<0.001	<0.001			
9/15/2020							<0.001	<0.001	<0.001
3/16/2021					<0.001	<0.001		0.00014 (J)	0.00019 (J)
3/17/2021	<0.001	<0.001		<0.001			0.00017 (J)		
3/18/2021			<0.001						
8/19/2021									0.00018 (J)
8/20/2021				<0.001	<0.001				
8/23/2021	<0.001	<0.001							
8/24/2021			<0.001			<0.001	0.00019 (J)	<0.001	
3/7/2022		<0.001	<0.001					<0.001	<0.001
3/8/2022	<0.001			<0.001	<0.001	<0.001	<0.001		

Time Series

Constituent: Lead (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
9/15/2011	<0.001						<0.001		<0.001
9/16/2011		<0.001							
9/17/2011				<0.001	<0.001	<0.001		<0.001	
10/28/2011							<0.001		
10/29/2011	<0.001	<0.001			<0.001	<0.001			
10/31/2011				<0.001				<0.001	<0.001
12/13/2011	<0.001	<0.001					<0.001		<0.001
12/14/2011				<0.001	<0.001	<0.001			
1/25/2012	<0.001					<0.001			
1/31/2012		<0.001							
2/1/2012									<0.001
2/7/2012				<0.001	<0.001			<0.001	
2/8/2012							<0.001		
7/17/2012				<0.001	<0.001	<0.001			<0.001
7/18/2012	<0.001	<0.001					<0.001		
1/22/2013	<0.001	<0.001							
1/23/2013								<0.001	<0.001
1/24/2013					<0.001	<0.001	<0.001		
7/16/2013	<0.001								
7/23/2013		<0.001							
7/24/2013				<0.001	<0.001	<0.001	<0.001		<0.001
1/21/2014	<0.001								
1/22/2014		<0.001							
1/23/2014				<0.001	<0.001	<0.001	<0.001	0.0012 (J)	<0.001
6/25/2014	<0.001								
7/1/2014		<0.001					<0.001	<0.001	<0.001
7/8/2014			<0.001	<0.001	<0.001	<0.001			
1/14/2015	<0.001								
1/20/2015							<0.001		<0.001
1/21/2015				<0.001	<0.001	<0.001		<0.001	
1/22/2015		<0.001							
7/23/2015	<0.001								
7/29/2015		<0.001							
7/30/2015				<0.001		<0.001	<0.001		<0.001
7/31/2015			<0.001		<0.001				
1/19/2016							<0.001		
1/20/2016			<0.001						
1/21/2016		<0.001		<0.001					
1/22/2016						<0.001			
1/25/2016					<0.001			<0.001	<0.001
1/26/2016	<0.001								
3/23/2016						<0.001	<0.001		<0.001
3/24/2016					<0.001				
3/28/2016				<0.001					
3/29/2016		<0.001							
3/30/2016			<0.001					<0.001	
3/31/2016	<0.001								
5/20/2016							<0.001		
5/24/2016						<0.001			<0.001
5/25/2016		<0.001	<0.001	<0.001	<0.001			<0.001	
5/26/2016	<0.001								
7/21/2016							<0.001		

Time Series

Constituent: Lead (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
7/22/2016									<0.001
7/26/2016	<0.001				<0.001	<0.001			
7/27/2016		<0.001	<0.001	<0.001				0.00078 (J)	
9/16/2016			<0.001						<0.001
9/19/2016				<0.001	<0.001	<0.001			
9/20/2016	<0.001	<0.001					<0.001		
11/11/2016						<0.001			
11/14/2016					<0.001		<0.001		
11/15/2016				<0.001					<0.001
11/17/2016	<0.001								
11/18/2016		<0.001	<0.001						
1/19/2017					<0.001				
1/20/2017						<0.001			
1/24/2017				<0.001			<0.001		
1/25/2017								0.00042 (J)	
1/26/2017									<0.001
2/3/2017	<0.001	<0.001	<0.001						
3/16/2017					<0.001	<0.001			
3/17/2017							<0.001		
3/23/2017				<0.001				<0.001	
3/24/2017									<0.001
3/28/2017	<0.001	<0.001							
3/29/2017			<0.001						
4/28/2017						<0.001			
5/1/2017					<0.001		<0.001		
5/2/2017				0.0021 (O)				0.00039 (J)	<0.001
5/3/2017	<0.001								
5/4/2017		<0.001	<0.001						
7/19/2017								0.00051 (J)	
8/3/2017				<0.001	<0.001	<0.001			<0.001
8/4/2017							<0.001	0.00037 (J)	
8/8/2017	<0.001	<0.001	<0.001						
1/19/2018						<0.001			
1/22/2018					<0.001				
1/23/2018								<0.001	<0.001
1/24/2018							<0.001		
1/25/2018	<0.001	<0.001	<0.001	<0.001					
6/20/2018	<0.001	<0.001							
6/21/2018							<0.001		
6/26/2018									<0.001
6/27/2018			<0.001	<0.001	<0.001	<0.001		<0.001	
1/24/2019	<0.001			0.00021 (J)	9.8E-05 (J)	9.8E-05 (J)			
1/25/2019		<0.001							
1/30/2019							<0.001		<0.001
1/31/2019			0.00013 (J)					0.00015 (J)	
6/25/2019	<0.001			<0.001	<0.001				
6/26/2019		<0.001	0.00016 (J)			<0.001		0.00022 (J)	
6/27/2019							<0.001		<0.001
9/10/2019	<0.001						<0.001		
9/11/2019			0.00015 (J)	0.00024 (J)				0.0013	
9/12/2019		<0.001			<0.001	0.00016 (J)			<0.001
3/11/2020							<0.001		

Time Series

Constituent: Lead (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
3/12/2020			0.00013 (J)	0.00018 (J)		<0.001			
3/13/2020					0.00013 (J)				
3/17/2020								0.00051 (J)	
3/18/2020	0.00067 (J)	0.00022 (J)							<0.001
9/9/2020						0.00023 (J)			
9/10/2020	<0.001	<0.001					0.00016 (J)		
9/11/2020								0.00026 (J)	
9/14/2020				<0.001					
9/15/2020			<0.001		<0.001				<0.001
3/15/2021	0.00025 (J)								
3/16/2021								0.00046 (J)	
3/17/2021				0.00013 (J)	<0.001				<0.001
3/18/2021		0.00029 (J)	0.00022 (J)			<0.001	<0.001		
8/19/2021	<0.001		0.0015	0.00028 (J)	0.0015				
8/23/2021		0.00033 (J)				0.00027 (J)	<0.001		
8/24/2021									<0.001
8/25/2021								0.00031 (J)	
3/2/2022							<0.001		
3/8/2022	<0.001			<0.001		<0.001			
3/9/2022		<0.001			<0.001				<0.001
3/10/2022			<0.001					<0.001	

Time Series

Constituent: Lead (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
8/31/2011				<0.001	<0.001			
9/7/2011						<0.001	<0.001	<0.001
9/16/2011	<0.001	<0.001	<0.001					
10/27/2011				<0.001				
10/30/2011	<0.001				<0.001	<0.001	<0.001	<0.001
10/31/2011		<0.001	<0.001					
12/4/2011								<0.001
12/5/2011				<0.001	<0.001	<0.001	<0.001	
12/12/2011		<0.001	<0.001					
12/13/2011	<0.001							
1/19/2012							<0.001	<0.001
1/25/2012				<0.001	<0.001	<0.001		
2/1/2012	<0.001	<0.001	<0.001					
7/16/2012		<0.001	<0.001					
7/17/2012	<0.001							
7/18/2012				<0.001		<0.001	<0.001	<0.001
7/24/2012					<0.001			
1/7/2013						<0.001	<0.001	
1/8/2013					<0.001			<0.001
1/9/2013				<0.001				
1/22/2013		<0.001	<0.001					
1/23/2013	<0.001							
7/2/2013			<0.001					
7/9/2013					<0.001	<0.001	<0.001	<0.001
7/17/2013	<0.001	<0.001		<0.001				
1/14/2014						<0.001	<0.001	<0.001
1/15/2014				<0.001	<0.001			
1/21/2014			<0.001					
1/23/2014	<0.001	<0.001						
6/24/2014						<0.001	<0.001	<0.001
6/25/2014		<0.001	<0.001	<0.001	<0.001			
1/13/2015				<0.001				
1/14/2015		<0.001	<0.001					
1/20/2015	<0.001				<0.001	<0.001	<0.001	<0.001
7/24/2015				<0.001	<0.001			
7/27/2015						<0.001	<0.001	<0.001
7/28/2015			<0.001					
7/29/2015	<0.001	<0.001						
1/20/2016				<0.001	<0.001			
1/21/2016		<0.001	<0.001					
1/25/2016	<0.001							
1/26/2016						<0.001	<0.001	<0.001
3/23/2016	<0.001							
3/24/2016		<0.001	<0.001					
3/28/2016				<0.001	<0.001			
3/29/2016						<0.001	<0.001	<0.001
5/23/2016		<0.001	<0.001	<0.001				
5/24/2016	<0.001				<0.001	<0.001	<0.001	<0.001
7/21/2016		<0.001	<0.001	<0.001	<0.001			
7/22/2016	<0.001					<0.001		
7/25/2016								<0.001
7/26/2016							<0.001	

Time Series

Constituent: Lead (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
9/15/2016		<0.001	<0.001	<0.001	<0.001	<0.001		
9/16/2016	<0.001							
9/19/2016							<0.001	<0.001
11/15/2016		<0.001	<0.001	<0.001				
11/16/2016					<0.001	<0.001	<0.001	<0.001
11/17/2016	<0.001							
1/25/2017	<0.001	<0.001						
1/26/2017			<0.001	<0.001	<0.001	<0.001	<0.001	
1/31/2017								<0.001
3/22/2017		<0.001	<0.001	<0.001	<0.001	<0.001		
3/23/2017	<0.001						<0.001	<0.001
5/1/2017	<0.001	<0.001						
5/2/2017			<0.001	<0.001	<0.001	<0.001		<0.001
5/3/2017							<0.001	
8/3/2017		<0.001	<0.001	<0.001	<0.001			
8/4/2017	<0.001					<0.001		
8/7/2017							<0.001	<0.001
1/23/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
1/24/2018							<0.001	<0.001
6/19/2018			<0.001					
6/20/2018		<0.001						
6/21/2018							0.00036 (J)	<0.001
6/25/2018				<0.001	<0.001	<0.001		
6/26/2018	<0.001							
1/21/2019			<0.001			<0.001		
1/22/2019							<0.001	<0.001
1/28/2019		0.00022 (J)						
1/30/2019	<0.001			0.00014 (J)	<0.001			
6/25/2019						<0.001	<0.001	<0.001
6/26/2019	<0.001	<0.001	<0.001	<0.001	<0.001			
9/10/2019						<0.001	<0.001	
9/11/2019		<0.001						
9/12/2019	0.00031 (J)		<0.001	<0.001	<0.001			
9/16/2019								<0.001
3/11/2020		<0.001	<0.001					
3/12/2020	0.00015 (J)					<0.001	0.00028 (J)	
3/16/2020				<0.001	<0.001			0.00025 (J)
9/9/2020				<0.001				
9/11/2020		<0.001	<0.001		<0.001			<0.001
9/14/2020						<0.001	<0.001	
9/16/2020	<0.001							
3/16/2021		<0.001	<0.001			<0.001	<0.001	<0.001
3/17/2021				<0.001	<0.001			
3/18/2021	<0.001							
8/18/2021			<0.001		<0.001			
8/19/2021				<0.001		<0.001		
8/20/2021							0.00031 (J)	
8/24/2021	0.00027 (J)	<0.001						
8/25/2021								<0.001
3/2/2022		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
3/9/2022	<0.001							<0.001

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
8/31/2011					<0.0002	<0.0002			
9/13/2011								<0.0002	<0.0002
9/16/2011	<0.0002		<0.0002						
9/17/2011		<0.0002		<0.0002					
10/27/2011	<0.0002	<0.0002				<0.0002			
10/28/2011			<0.0002	<0.0002				<0.0002	<0.0002
12/4/2011								<0.0002	<0.0002
12/12/2011			<0.0002	<0.0002					
12/13/2011	<0.0002								
12/14/2011		<0.0002				<0.0002			
1/24/2012									<0.0002
1/25/2012			<0.0002						
1/31/2012	<0.0002			<0.0002					
2/1/2012						<0.0002			
2/7/2012		<0.0002							
2/9/2012								<0.0002	
7/11/2012									<0.0002
7/16/2012			<0.0002						
7/17/2012				<0.0002					
7/18/2012	<0.0002							<0.0002	
7/23/2012		<0.0002				<0.0002			
1/8/2013								<0.0002	<0.0002
1/23/2013		<0.0002				<0.0002			
1/24/2013	<0.0002		<0.0002	<0.0002					
7/9/2013								<0.0002	
7/10/2013									<0.0002
7/17/2013	<0.0002					<0.0002			
7/23/2013			<0.0002						
7/24/2013		<0.0002		<0.0002					
1/15/2014						<0.0002		<0.0002	
1/21/2014	<0.0002								<0.0002
1/22/2014		<0.0002	<0.0002	<0.0002					
6/25/2014	<0.0002				<0.0002	<0.0002		<0.0002	
7/1/2014		<0.0002	<0.0002						<0.0002
7/8/2014				<0.0002 (D)					
1/14/2015	<0.0002					<0.0002			
1/21/2015			<0.0002	<0.0002				<0.0002	<0.0002
1/22/2015		<0.0002							
7/21/2015	<0.0002		<0.0002		<0.0002	<0.0002			
7/22/2015		<0.0002		<0.0002					
7/28/2015								<0.0002	<0.0002
1/19/2016				<0.0002 (D)					
1/20/2016		<0.0002				<0.0002			
1/21/2016	<0.0002								
1/22/2016			<0.0002						
1/25/2016							<0.0002		
1/26/2016								<0.0002	<0.0002
3/22/2016			<0.0002	<0.0002					
3/23/2016	<0.0002	<0.0002				<0.0002			
3/29/2016								<0.0002	<0.0002
3/30/2016							<0.0002		
3/31/2016					<0.0002				

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
5/19/2016				<0.0002		<0.0002			
5/20/2016	<0.0002								
5/23/2016			<0.0002						
5/24/2016		<0.0002							
5/25/2016					<0.0002		<0.0002	<0.0002	<0.0002
7/21/2016	9.7E-05 (J)			<0.0002		8.7E-05 (J)			
7/22/2016									<0.0002
7/25/2016			8.9E-05 (J)					9.6E-05 (J)	
7/26/2016		0.00012 (J)							
7/27/2016					0.00011 (J)		9.4E-05 (J)		
9/14/2016						<0.0002			
9/15/2016	<0.0002		<0.0002						<0.0002
9/16/2016		<0.0002					<0.0002		
9/19/2016								<0.0002	
11/9/2016			<0.0002						
11/10/2016		<0.0002				<0.0002			
11/11/2016	<0.0002								
11/16/2016								<0.0002	<0.0002
11/17/2016							<0.0002		
1/17/2017			<0.0002	<0.0002		<0.0002			
1/19/2017	<0.0002	<0.0002							
1/31/2017								7.1E-05 (J)	0.00013 (J)
2/1/2017							0.00011 (J)		
3/16/2017	0.00015 (J)		0.00016 (J)			0.00016 (J)			
3/17/2017		0.00015 (J)							
3/23/2017								<0.0002	<0.0002
3/24/2017							<0.0002		
4/27/2017			<0.0002	<0.0002		<0.0002			
4/28/2017	<0.0002	<0.0002							
5/2/2017								<0.0002	
5/3/2017							<0.0002		<0.0002
7/18/2017				<0.0002					
8/1/2017			<0.0002	<0.0002	<0.0002				
8/2/2017		<0.0002				<0.0002			
8/3/2017	<0.0002								
8/7/2017								<0.0002	<0.0002
8/8/2017							<0.0002		
10/3/2017					<0.0002				
1/19/2018	<0.0002	<0.0002	<0.0002	<0.0002					
1/22/2018						<0.0002			
1/24/2018								<0.0002	<0.0002
1/25/2018							<0.0002		
6/19/2018	<0.0002	<0.0002	<0.0002	<0.0002		<0.0002			
6/20/2018					<0.0002			<0.0002	
6/21/2018							<0.0002		
6/26/2018									<0.0002
1/17/2019	<0.0002	<0.0002				<0.0002			
1/18/2019				<0.0002	<0.0002				
1/21/2019			<0.0002						
1/24/2019								<0.0002	
1/25/2019									<0.0002
1/31/2019							<0.0002		

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
6/24/2019	<0.0002	<0.0002				<0.0002			
6/25/2019			<0.0002	<0.0002	<0.0002				
6/26/2019							<0.0002	<0.0002	<0.0002
9/9/2019	<0.0002								
9/10/2019		<0.0002	<0.0002	0.00021		<0.0002			
9/11/2019					<0.0002				<0.0002
9/16/2019								<0.0002	
9/17/2019							<0.0002		
3/10/2020	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			
3/16/2020								<0.0002	
3/17/2020							<0.0002		
3/18/2020									<0.0002
9/9/2020	<0.0002		<0.0002	<0.0002	<0.0002	<0.0002			
9/10/2020		<0.0002					<0.0002	<0.0002	<0.0002
3/15/2021	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			
3/16/2021									<0.0002
3/17/2021								<0.0002	
3/18/2021							<0.0002		
8/16/2021	<0.0002		<0.0002						
8/18/2021		<0.0002		<0.0002	<0.0002	<0.0002			
8/19/2021									<0.0002
8/20/2021							<0.0002		
8/23/2021								<0.0002	
2/28/2022	<0.0002								
3/1/2022		<0.0002	<0.0002		<0.0002	<0.0002			
3/2/2022				<0.0002					
3/7/2022								<0.0002	<0.0002
3/8/2022							<0.0002		

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
8/30/2011				<0.0002	<0.0002	<0.0002	<0.0002		
8/31/2011								<0.0002	<0.0002
9/13/2011	<0.0002	<0.0002							
9/16/2011			<0.0002						
10/26/2011				<0.0002	<0.0002	<0.0002	<0.0002		
10/27/2011		<0.0002	<0.0002					<0.0002	<0.0002
10/28/2011	<0.0002								
12/3/2011		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		
12/4/2011	<0.0002							<0.0002	<0.0002
1/24/2012	<0.0002	<0.0002							
1/25/2012				<0.0002	<0.0002				
2/8/2012							<0.0002	<0.0002	<0.0002
2/9/2012			<0.0002			<0.0002			
7/11/2012	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
7/17/2012									<0.0002
1/8/2013	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
1/9/2013									<0.0002
7/2/2013			<0.0002	<0.0002					
7/10/2013	<0.0002	<0.0002							
7/16/2013					<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1/14/2014				<0.0002	<0.0002	<0.0002			
1/21/2014	<0.0002	<0.0002	<0.0002				<0.0002	<0.0002	<0.0002
6/24/2014			<0.0002			<0.0002	<0.0002	<0.0002	<0.0002
6/25/2014				<0.0002	<0.0002				
7/1/2014	<0.0002	<0.0002							
1/13/2015				<0.0002		<0.0002	<0.0002	<0.0002	<0.0002
1/14/2015		<0.0002	<0.0002		<0.0002				
1/21/2015	<0.0002								
7/22/2015		3.99E-05 (J)	<0.0002	<0.0002					
7/23/2015						<0.0002	<0.0002	<0.0002	<0.0002
7/28/2015	<0.0002				<0.0002				
1/26/2016									<0.0002
1/27/2016	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
3/29/2016	<0.0002								
3/30/2016		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
5/25/2016	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002				
5/26/2016						<0.0002	<0.0002	<0.0002	<0.0002
7/25/2016						0.00012 (J)	0.00013 (J)	0.00011 (J)	
7/26/2016	0.00012 (J)	0.00012 (J)	0.00012 (J)						0.00013 (J)
7/27/2016				8.9E-05 (J)	9.7E-05 (J)				
9/15/2016	<0.0002	<0.0002							
9/16/2016				<0.0002					
9/19/2016					<0.0002	<0.0002	<0.0002		
9/20/2016			<0.0002					<0.0002	7.2E-05 (J)
11/17/2016	<0.0002	8.7E-05 (J)	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	8.4E-05 (J)
1/31/2017	9.6E-05 (J)								
2/1/2017		9.2E-05 (J)	0.00013 (J)	0.00015 (J)	0.0002	9.8E-05 (J)			
2/2/2017							0.00011 (J)	8.6E-05 (J)	0.00011 (J)
3/23/2017	<0.0002	<0.0002	<0.0002						
3/24/2017				<0.0002	<0.0002	<0.0002	<0.0002		
3/28/2017								<0.0002	<0.0002
5/3/2017	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
5/4/2017								<0.0002	<0.0002
8/4/2017	<0.0002		<0.0002						
8/7/2017		<0.0002		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
1/25/2018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		
1/26/2018								<0.0002	<0.0002
6/20/2018	<0.0002	8.5E-05 (J)	<0.0002	<0.0002					<0.0002
6/21/2018						<0.0002	<0.0002	<0.0002	
6/26/2018					<0.0002				
1/22/2019	<0.0002	<0.0002	<0.0002						
1/24/2019					<0.0002				<0.0002
1/25/2019				<0.0002					
1/28/2019						<0.0002	<0.0002	<0.0002	
6/25/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			<0.0002	<0.0002
6/26/2019							<0.0002		
6/27/2019						<0.0002			
9/11/2019				<0.0002	<0.0002	<0.0002		<0.0002	<0.0002
9/12/2019	<0.0002	<0.0002					<0.0002		
9/17/2019			<0.0002						
3/12/2020	<0.0002								
3/16/2020			<0.0002						
3/17/2020		<0.0002		<0.0002	<0.0002	<0.0002			
3/18/2020							<0.0002	<0.0002	<0.0002
9/10/2020	<0.0002	<0.0002	<0.0002						
9/11/2020				<0.0002					
9/14/2020					<0.0002	<0.0002			
9/15/2020							<0.0002	<0.0002	<0.0002
3/16/2021					<0.0002	<0.0002		<0.0002	<0.0002
3/17/2021	<0.0002	<0.0002		<0.0002			<0.0002		
3/18/2021			<0.0002						
8/19/2021									<0.0002
8/20/2021				<0.0002	<0.0002				
8/23/2021	<0.0002	<0.0002							
8/24/2021			<0.0002			<0.0002	<0.0002	<0.0002	
3/7/2022		0.00023	<0.0002					<0.0002	<0.0002
3/8/2022	<0.0002			<0.0002	<0.0002	<0.0002	<0.0002		

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
9/15/2011	<0.0002						<0.0002		<0.0002
9/16/2011		<0.0002							
9/17/2011				<0.0002	<0.0002	<0.0002		<0.0002	
10/28/2011							<0.0002		
10/29/2011	<0.0002	<0.0002			<0.0002	<0.0002			
10/31/2011				<0.0002				<0.0002	<0.0002
12/13/2011	<0.0002	<0.0002					<0.0002		<0.0002
12/14/2011				<0.0002	<0.0002	<0.0002			
1/25/2012	<0.0002					<0.0002			
1/31/2012		<0.0002							
2/1/2012									<0.0002
2/7/2012				<0.0002	<0.0002			<0.0002	
2/8/2012							<0.0002		
7/17/2012				<0.0002	<0.0002	<0.0002			<0.0002
7/18/2012	<0.0002	<0.0002					<0.0002		
1/22/2013	<0.0002	<0.0002							
1/23/2013								<0.0002	<0.0002
1/24/2013					<0.0002	<0.0002	<0.0002		
7/16/2013	<0.0002								
7/23/2013		<0.0002							
7/24/2013				<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
1/21/2014	<0.0002								
1/22/2014		<0.0002							
1/23/2014				<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
6/25/2014	<0.0002								
7/1/2014		<0.0002					<0.0002	<0.0002	<0.0002
7/8/2014			<0.0002	<0.0002	<0.0002	<0.0002			
1/14/2015	<0.0002								
1/20/2015							<0.0002		<0.0002
1/21/2015				<0.0002	<0.0002	<0.0002		<0.0002	
1/22/2015		<0.0002							
7/23/2015	<0.0002								
7/29/2015		<0.0002							
7/30/2015				<0.0002		<0.0002	<0.0002		<0.0002
7/31/2015			<0.0002		<0.0002				
1/19/2016							<0.0002		
1/20/2016			<0.0002						
1/21/2016		<0.0002		<0.0002					
1/22/2016						<0.0002			
1/25/2016					<0.0002			<0.0002	<0.0002
1/26/2016	<0.0002								
3/23/2016						<0.0002	<0.0002		<0.0002
3/24/2016					<0.0002				
3/28/2016				<0.0002					
3/29/2016		<0.0002							
3/30/2016			<0.0002					<0.0002	
3/31/2016	<0.0002								
5/20/2016							<0.0002		
5/24/2016						<0.0002			<0.0002
5/25/2016		<0.0002	<0.0002	<0.0002	<0.0002			<0.0002	
5/26/2016	<0.0002								
7/21/2016							8.6E-05 (J)		

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
7/22/2016									<0.0002
7/26/2016	0.00012 (J)				0.00012 (J)	0.00012 (J)			
7/27/2016		8.6E-05 (J)	9E-05 (J)	9.8E-05 (J)				0.0001 (J)	
9/16/2016			<0.0002						<0.0002
9/19/2016				<0.0002	<0.0002	<0.0002			
9/20/2016	0.00013 (J)	<0.0002					<0.0002		
11/11/2016						<0.0002			
11/14/2016					<0.0002		<0.0002		
11/15/2016				<0.0002					<0.0002
11/17/2016	<0.0002								
11/18/2016		<0.0002	<0.0002						
1/19/2017					<0.0002				
1/20/2017						<0.0002			
1/24/2017				<0.0002			<0.0002		
1/25/2017								<0.0002	
1/26/2017									7.3E-05 (J)
2/3/2017	<0.0002	<0.0002	<0.0002						
3/16/2017					0.00014 (J)	0.00015 (J)			
3/17/2017							0.00017 (J)		
3/23/2017				<0.0002				<0.0002	
3/24/2017									<0.0002
3/28/2017	<0.0002	<0.0002							
3/29/2017			<0.0002						
4/28/2017						<0.0002			
5/1/2017					<0.0002		<0.0002		
5/2/2017				<0.0002				<0.0002	<0.0002
5/3/2017	<0.0002								
5/4/2017		<0.0002	<0.0002						
7/19/2017								<0.0002	
8/3/2017				<0.0002	<0.0002	<0.0002			<0.0002
8/4/2017							<0.0002	<0.0002	
8/8/2017	<0.0002	<0.0002	<0.0002						
1/19/2018						<0.0002			
1/22/2018					<0.0002				
1/23/2018								<0.0002	<0.0002
1/24/2018							<0.0002		
1/25/2018	<0.0002	<0.0002	<0.0002	<0.0002					
6/20/2018	<0.0002	<0.0002							
6/21/2018							<0.0002		
6/26/2018									<0.0002
6/27/2018			<0.0002	<0.0002	<0.0002	<0.0002		<0.0002	
1/24/2019	<0.0002			<0.0002	<0.0002	<0.0002			
1/25/2019		<0.0002							
1/30/2019							<0.0002		<0.0002
1/31/2019			<0.0002					<0.0002	
6/25/2019	<0.0002			<0.0002	<0.0002				
6/26/2019		<0.0002	<0.0002			<0.0002		<0.0002	
6/27/2019							<0.0002		<0.0002
9/10/2019	<0.0002						0.00014 (J)		
9/11/2019			<0.0002	<0.0002				<0.0002	
9/12/2019		<0.0002			<0.0002	<0.0002			<0.0002
3/11/2020							<0.0002		

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
3/12/2020			<0.0002	<0.0002		<0.0002			
3/13/2020					<0.0002				
3/17/2020								<0.0002	
3/18/2020	<0.0002	<0.0002							<0.0002
9/9/2020						<0.0002			
9/10/2020	<0.0002	<0.0002					<0.0002		
9/11/2020								<0.0002	
9/14/2020				<0.0002					
9/15/2020			<0.0002		<0.0002				<0.0002
3/15/2021	<0.0002								
3/16/2021								<0.0002	
3/17/2021				<0.0002	<0.0002				<0.0002
3/18/2021		<0.0002	<0.0002			<0.0002	<0.0002		
8/19/2021	<0.0002		<0.0002	<0.0002	<0.0002				
8/23/2021		<0.0002				<0.0002	<0.0002		
8/24/2021									<0.0002
8/25/2021								0.00016 (J)	
3/2/2022							<0.0002		
3/8/2022	<0.0002			<0.0002		<0.0002			
3/9/2022		<0.0002			<0.0002				<0.0002
3/10/2022			<0.0002					<0.0002	

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
8/31/2011				<0.0002	<0.0002			
9/7/2011						<0.0002	<0.0002	<0.0002
9/16/2011	<0.0002	<0.0002	<0.0002					
10/27/2011				<0.0002				
10/30/2011	<0.0002				<0.0002	<0.0002	<0.0002	<0.0002
10/31/2011		<0.0002	<0.0002					
12/4/2011								<0.0002
12/5/2011				<0.0002	<0.0002	<0.0002	<0.0002	
12/12/2011		<0.0002	<0.0002					
12/13/2011	<0.0002							
1/19/2012							<0.0002	<0.0002
1/25/2012				<0.0002	<0.0002	<0.0002		
2/1/2012	<0.0002	<0.0002	<0.0002					
7/16/2012		<0.0002	<0.0002					
7/17/2012	<0.0002							
7/18/2012				<0.0002		<0.0002	<0.0002	<0.0002
7/24/2012					<0.0002			
1/7/2013						<0.0002	<0.0002	
1/8/2013					<0.0002			<0.0002
1/9/2013				<0.0002				
1/22/2013		<0.0002	<0.0002					
1/23/2013	<0.0002							
7/2/2013			<0.0002					
7/9/2013					<0.0002	<0.0002	<0.0002	<0.0002
7/17/2013	<0.0002	<0.0002		<0.0002				
1/14/2014						<0.0002	0.000153 (J)	<0.0002
1/15/2014				<0.0002	<0.0002			
1/21/2014			<0.0002					
1/23/2014	<0.0002	<0.0002						
6/24/2014						<0.0002	<0.0002	<0.0002
6/25/2014		<0.0002	<0.0002	<0.0002	<0.0002			
1/13/2015				<0.0002				
1/14/2015		<0.0002	<0.0002					
1/20/2015	<0.0002				<0.0002	<0.0002	<0.0002	<0.0002
7/24/2015				<0.0002	<0.0002			
7/27/2015						<0.0002	<0.0002	<0.0002
7/28/2015			<0.0002					
7/29/2015	<0.0002	<0.0002						
1/20/2016				<0.0002	<0.0002			
1/21/2016		<0.0002	<0.0002					
1/25/2016	<0.0002							
1/26/2016						<0.0002	<0.0002	<0.0002
3/23/2016	<0.0002							
3/24/2016		<0.0002	<0.0002					
3/28/2016				<0.0002	<0.0002			
3/29/2016						<0.0002	<0.0002	<0.0002
5/23/2016		<0.0002	<0.0002	<0.0002				
5/24/2016	<0.0002				<0.0002	<0.0002	<0.0002	<0.0002
7/21/2016		8.4E-05 (J)	<0.0002	7.6E-05 (J)	9.1E-05 (J)			
7/22/2016	<0.0002					<0.0002		
7/25/2016								0.00012 (J)
7/26/2016							0.00012 (J)	

Time Series

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
9/15/2016		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		
9/16/2016	<0.0002							
9/19/2016							<0.0002	<0.0002
11/15/2016		<0.0002	9.6E-05 (J)	<0.0002				
11/16/2016					<0.0002	<0.0002	<0.0002	<0.0002
11/17/2016	<0.0002							
1/25/2017	0.00012 (J)	0.00012 (J)						
1/26/2017			<0.0002	<0.0002	<0.0002	8.8E-05 (J)	<0.0002	
1/31/2017								8.6E-05 (J)
3/22/2017		7.9E-05 (J)	<0.0002	<0.0002	7.3E-05 (J)	<0.0002		
3/23/2017	<0.0002						7.2E-05 (J)	<0.0002
5/1/2017	<0.0002	<0.0002						
5/2/2017			<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
5/3/2017							<0.0002	
8/3/2017		<0.0002	<0.0002	<0.0002	<0.0002			
8/4/2017	<0.0002					<0.0002		
8/7/2017							<0.0002	<0.0002
1/23/2018	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002		
1/24/2018							<0.0002	<0.0002
6/19/2018			<0.0002					
6/20/2018		<0.0002						
6/21/2018							<0.0002	<0.0002
6/25/2018				<0.0002	<0.0002	<0.0002		
6/26/2018	<0.0002							
1/21/2019			<0.0002			<0.0002		
1/22/2019							<0.0002	<0.0002
1/28/2019		<0.0002						
1/30/2019	<0.0002			<0.0002	<0.0002			
6/25/2019						<0.0002	<0.0002	<0.0002
6/26/2019	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			
9/10/2019						<0.0002	0.0004	
9/11/2019		<0.0002						
9/12/2019	<0.0002		<0.0002	<0.0002	<0.0002			
9/16/2019								<0.0002
1/13/2020							<0.0002	
3/11/2020		<0.0002	<0.0002					
3/12/2020	<0.0002					<0.0002	<0.0002	
3/16/2020				<0.0002	<0.0002			<0.0002
9/9/2020				<0.0002				
9/11/2020		<0.0002	<0.0002		<0.0002			<0.0002
9/14/2020						<0.0002	<0.0002	
9/16/2020	<0.0002							
3/16/2021		<0.0002	<0.0002			<0.0002	<0.0002	<0.0002
3/17/2021				<0.0002	<0.0002			
3/18/2021	<0.0002							
8/18/2021			<0.0002		<0.0002			
8/19/2021				<0.0002		<0.0002		
8/20/2021							<0.0002	
8/24/2021	<0.0002	<0.0002						
8/25/2021								0.00014 (J)
3/2/2022		<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	
3/9/2022	<0.0002							<0.0002

Time Series

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
8/31/2011					<0.001	<0.001			
9/13/2011								<0.001	<0.001
9/16/2011	<0.001		<0.001						
9/17/2011		<0.001		0.0053					
10/27/2011	<0.001	<0.001				<0.001			
10/28/2011			<0.001	0.0042				<0.001	<0.001
12/4/2011								<0.001	<0.001
12/12/2011			<0.001	<0.001					
12/13/2011	<0.001								
12/14/2011		<0.001				<0.001			
1/24/2012									<0.001
1/25/2012			<0.001						
1/31/2012	<0.001			0.0043					
2/1/2012						<0.001			
2/7/2012		0.0028							
2/9/2012								<0.001	
7/11/2012									<0.001
7/16/2012			<0.001						
7/17/2012				<0.001					
7/18/2012	<0.001							<0.001	
7/23/2012		<0.001				<0.001			
1/8/2013								<0.001	<0.001
1/23/2013		<0.001				<0.001			
1/24/2013	<0.001		<0.001	0.0052					
7/9/2013								<0.001	
7/10/2013									<0.001
7/17/2013	<0.001					<0.001			
7/23/2013			<0.001						
7/24/2013		<0.001		0.0052					
1/15/2014						<0.001		<0.001	
1/21/2014	<0.001								<0.001
1/22/2014		0.0013 (J)	0.00092 (J)	0.0031					
6/25/2014	<0.001				0.0044	<0.001		<0.001	
7/1/2014		0.0014 (J)	<0.001						<0.001
7/8/2014				0.0036 (D)					
1/14/2015	<0.001					0.0073 (O)			
1/21/2015			<0.001	0.0026				<0.001	<0.001
1/22/2015		0.0017 (J)							
7/21/2015	<0.001		<0.001		0.0056	<0.001			
7/22/2015		0.0013 (J)		0.0028					
7/28/2015								<0.001	<0.001
1/19/2016				0.0021 (JD)					
1/20/2016		<0.001				0.002 (J)			
1/21/2016	<0.001								
1/22/2016			<0.001						
1/25/2016							0.0017 (J)		
1/26/2016								<0.001	<0.001
1/17/2017			<0.001	0.0022 (J)		0.007 (o)			
1/19/2017	<0.001	<0.001							
1/31/2017								<0.001	<0.001
2/1/2017							0.0043		
8/1/2017			<0.001	0.0018 (J)	<0.001				

Time Series

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
8/2/2017		<0.001				<0.001			
8/3/2017	<0.001								
8/7/2017								<0.001	<0.001
8/8/2017							0.0022 (J)		
1/19/2018	<0.001	<0.001	<0.001	<0.001					
1/22/2018						<0.001			
1/24/2018								<0.001	<0.001
1/25/2018							0.0046		
6/19/2018	<0.001	<0.001	<0.001	0.0024 (J)		0.0022 (J)			
6/20/2018					<0.001			<0.001	
6/21/2018							0.0046		
6/26/2018									<0.001
1/17/2019	0.00094 (J)	0.0011				0.0017			
1/18/2019				0.0022	0.00087 (J)				
1/21/2019			0.0004 (J)						
1/24/2019								0.00035 (J)	
1/25/2019									<0.001
1/31/2019							0.0018		
6/24/2019	0.00095 (J)	0.0013				0.0022			
6/25/2019			0.00088 (J)	0.0028	0.0021				
6/26/2019							0.0014	<0.001	<0.001
9/9/2019	0.00099 (J)								
9/10/2019		0.0014	0.00047 (J)	0.0024		0.0017			
9/11/2019					0.0022				0.00088 (J)
9/16/2019								<0.001	
9/17/2019							0.0013		
3/10/2020	0.00067 (J)	0.0012	0.00069 (J)	0.0012	0.0019	0.0019			
3/16/2020								0.0004 (J)	
3/17/2020							0.0013		
3/18/2020									<0.001
9/9/2020	0.00071 (J)		0.0004 (J)	0.0016	0.0015	0.0012			
9/10/2020		0.0011					0.0045	0.0011	0.00039 (J)
3/15/2021	0.00059 (J)	0.00076 (J)	<0.001	0.0019	0.0022	0.0027			
3/16/2021									<0.001
3/17/2021								<0.001	
3/18/2021							0.00097 (J)		
8/16/2021	0.00076 (J)		<0.001						
8/18/2021		0.001		0.0014	0.0039	0.0032			
8/19/2021									<0.001
8/20/2021							0.0014		
8/23/2021								<0.001	
2/28/2022	0.00089 (J)								
3/1/2022		0.00062 (J)	<0.001		0.0027	0.0021			
3/2/2022				0.0012					
3/7/2022								<0.001	<0.001
3/8/2022							0.0017		

Time Series

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
8/30/2011				<0.001	<0.001	<0.001	<0.001		
8/31/2011								<0.001	<0.001
9/13/2011	<0.001	<0.0025							
9/16/2011			<0.001						
10/26/2011				<0.001	<0.001	<0.001	<0.001		
10/27/2011		<0.0025	<0.001					<0.001	<0.001
10/28/2011	<0.001								
12/3/2011		<0.0025	<0.001	<0.001	<0.001	<0.001	<0.001		
12/4/2011	<0.001							<0.001	<0.001
1/24/2012	<0.001	<0.0025							
1/25/2012				<0.001	<0.001				
2/8/2012							<0.001	<0.001	<0.001
2/9/2012			<0.001			<0.001			
7/11/2012	<0.001	<0.005	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
7/17/2012									<0.001
1/8/2013	<0.001	<0.0025	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
1/9/2013									<0.001
7/2/2013			<0.001	<0.001					
7/10/2013	<0.001	<0.0025							
7/16/2013					<0.001	<0.001	<0.001	<0.001	<0.001
1/14/2014				<0.001	<0.001	<0.001			
1/21/2014	<0.001	0.0041	<0.001				<0.001	<0.001	<0.001
6/24/2014			<0.001			<0.001	<0.001	<0.001	<0.001
6/25/2014				<0.001	<0.001				
7/1/2014	<0.001	0.0017 (J)							
1/13/2015				<0.001		<0.001	<0.001	<0.001	<0.001
1/14/2015		0.0064	<0.001		<0.001				
1/21/2015	<0.001								
7/22/2015		0.0089	<0.001	<0.001					
7/23/2015						<0.001	<0.001	<0.001	<0.001
7/28/2015	<0.001				<0.001				
1/26/2016									<0.001
1/27/2016	<0.001	0.014	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
4/20/2016		0.013							
1/31/2017	<0.001								
2/1/2017		0.013	<0.001	<0.001	<0.001	<0.001			
2/2/2017							<0.001	<0.001	<0.001
8/4/2017	<0.001		<0.001						
8/7/2017		0.018		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1/25/2018	<0.001	0.013	<0.001	<0.001	<0.001	<0.001	<0.001		
1/26/2018								<0.001	<0.001
6/20/2018	<0.001	0.015	<0.001	<0.001					<0.001
6/21/2018						<0.001	<0.001	<0.001	
6/26/2018					<0.001				
1/22/2019	0.00033 (J)	0.014	<0.001						
1/24/2019					<0.001				0.00051 (J)
1/25/2019				<0.001					
1/28/2019						<0.001	0.0009 (J)	<0.001	
6/25/2019	0.00068 (J)	0.016	0.00031 (J)	0.00067 (J)	0.00092 (J)			0.00048 (J)	0.00085 (J)
6/26/2019							0.00051 (J)		
6/27/2019						<0.001			
9/11/2019				0.00077 (J)	0.00092 (J)	0.00066 (J)		0.001	0.00066 (J)

Time Series

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
9/12/2019	0.00055 (J)	0.016					0.00044 (J)		
9/17/2019			<0.001						
3/12/2020	<0.001								
3/16/2020			<0.001						
3/17/2020		0.017		<0.001	<0.001	<0.001			
3/18/2020							0.0011	<0.001	0.0004 (J)
9/10/2020	0.00037 (J)	0.015	0.00037 (J)						
9/11/2020				<0.001					
9/14/2020					0.00041 (J)	0.0015			
9/15/2020							0.0005 (J)	<0.001	0.00076 (J)
3/16/2021					<0.001	<0.001		<0.001	0.00097 (J)
3/17/2021	0.00066 (J)	0.018		<0.001			0.001		
3/18/2021			<0.001						
8/19/2021									0.00071 (J)
8/20/2021				<0.001	<0.001				
8/23/2021	<0.001	0.021							
8/24/2021			<0.001			<0.001	0.0005 (J)	<0.001	
3/7/2022		0.02	<0.001					<0.001	<0.001
3/8/2022	<0.001			<0.001	<0.001	<0.001	0.0012		

Time Series

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
9/15/2011	<0.001						<0.001		<0.001
9/16/2011		<0.001							
9/17/2011				<0.001	<0.001	<0.001		0.0041	
10/28/2011							<0.001		
10/29/2011	<0.001	<0.001			<0.001	<0.001			
10/31/2011				<0.001				0.003	<0.001
12/13/2011	<0.001	<0.001					<0.001		<0.001
12/14/2011				<0.001	<0.001	<0.001			
1/25/2012	<0.001					<0.001			
1/31/2012		<0.001							
2/1/2012									<0.001
2/7/2012				<0.001	<0.001			0.0029	
2/8/2012							<0.001		
7/17/2012				0.014	<0.001	<0.001			<0.001
7/18/2012	<0.001	<0.001					<0.001		
1/22/2013	<0.001	<0.001							
1/23/2013								0.0027	<0.001
1/24/2013					<0.001	<0.001	<0.001		
7/16/2013	<0.001								
7/23/2013		<0.001							
7/24/2013				0.019	<0.001	<0.001	<0.001		<0.001
1/21/2014	<0.001								
1/22/2014		<0.001							
1/23/2014				0.0036	<0.001	<0.001	<0.001	0.0016 (J)	0.00094 (J)
6/25/2014	<0.001								
7/1/2014		<0.001					<0.001	0.0021 (J)	<0.001
7/8/2014			0.0022 (J)	0.011	<0.001	<0.001			
1/14/2015	<0.001								
1/20/2015							<0.001		<0.001
1/21/2015				0.0033	<0.001	<0.001		<0.001	
1/22/2015		<0.001							
7/23/2015	<0.001								
7/29/2015		<0.001							
7/30/2015				0.0054		<0.001	<0.001		<0.001
7/31/2015			0.0018 (J)		<0.001				
1/19/2016							<0.001		
1/20/2016			0.0027						
1/21/2016		<0.001		0.0054					
1/22/2016						<0.001			
1/25/2016					<0.001			<0.001	<0.001
1/26/2016	<0.001								
1/19/2017					<0.001				
1/20/2017						<0.001			
1/24/2017				0.012			<0.001		
1/25/2017								<0.001	
1/26/2017									<0.001
2/3/2017	<0.001	<0.001	0.0025						
8/3/2017				<0.001	<0.001	<0.001			0.0018 (J)
8/4/2017							<0.001	0.0029	
8/8/2017	<0.001	<0.001	0.0036						
1/19/2018						<0.001			
1/22/2018					<0.001				

Time Series

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
1/23/2018								0.012	<0.001
1/24/2018							<0.001		
1/25/2018	<0.001	<0.001	0.0022 (J)	0.0071					
6/20/2018	<0.001	<0.001							
6/21/2018							<0.001		
6/26/2018									<0.001
6/27/2018			<0.001	0.0072	<0.001	<0.001		0.0065	
1/24/2019	<0.001			0.0027	0.00087 (J)	0.00035 (J)			
1/25/2019		0.00044 (J)							
1/30/2019							<0.001		0.00064 (J)
1/31/2019			0.0018					0.0011	
6/25/2019	0.00031 (J)			0.0021	0.0031				
6/26/2019		<0.001	0.0016			<0.001		0.00034 (J)	
6/27/2019							<0.001		0.00059 (J)
9/10/2019	<0.001						<0.001		
9/11/2019			0.0018	0.024				0.01	
9/12/2019		0.00044 (J)			0.00081 (J)	0.00044 (J)			0.0013
3/11/2020							<0.001		
3/12/2020			0.0025	0.0054		<0.001			
3/13/2020					0.00097 (J)				
3/17/2020								0.0029	
3/18/2020	0.00042 (J)	0.00079 (J)							0.0011
9/9/2020						0.00052 (J)			
9/10/2020	<0.001	0.00058 (J)					<0.001		
9/11/2020								0.0019	
9/14/2020				0.015					
9/15/2020			0.0022		0.00072 (J)				0.00095 (J)
3/15/2021	<0.001								
3/16/2021								0.0014	
3/17/2021				0.0053	0.0014				0.00082 (J)
3/18/2021		0.00052 (J)	0.0017			<0.001	<0.001		
8/19/2021	<0.001		0.0017	0.0035	0.00059 (J)				
8/23/2021		0.00059 (J)				<0.001	<0.001		
8/24/2021									<0.001
8/25/2021								0.00064 (J)	
3/2/2022							<0.001		
3/8/2022	<0.001			0.0039		<0.001			
3/9/2022		<0.001			0.0011				<0.001
3/10/2022			0.0011					0.00055 (J)	

Time Series

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
8/31/2011				<0.001	0.0072			
9/7/2011						<0.001	<0.001	0.029 (O)
9/16/2011	<0.001	<0.001	0.0037					
10/27/2011				<0.001				
10/30/2011	<0.001				0.0055	<0.001	<0.001	<0.001
10/31/2011		<0.001	0.0047					
12/4/2011								0.0072
12/5/2011				<0.001	0.0026	<0.001	<0.001	
12/12/2011		<0.001	0.0048					
12/13/2011	<0.001							
1/19/2012							<0.001	0.0053
1/25/2012				<0.001	<0.001	<0.001		
2/1/2012	<0.001	<0.001	0.0027					
7/16/2012		<0.001	0.0035					
7/17/2012	<0.001							
7/18/2012				0.0043		0.013	<0.001	0.012
7/24/2012					0.003			
1/7/2013						0.019	0.0025	
1/8/2013					0.0036			0.014
1/9/2013				0.0082				
1/22/2013		<0.001	0.003					
1/23/2013	<0.001							
7/2/2013			0.0027					
7/9/2013					0.0038	0.018	0.0027	0.015
7/17/2013	<0.001	<0.001		0.0076				
1/14/2014						0.017	0.0039	0.015
1/15/2014				0.0083	0.0049			
1/21/2014			0.002 (J)					
1/23/2014	0.00078 (J)	0.00062 (J)						
6/24/2014						0.016	0.0014 (J)	0.0091
6/25/2014		<0.001	0.0026	0.0079	0.0037			
1/13/2015				0.0072				
1/14/2015		<0.001	0.0021 (J)					
1/20/2015	<0.001				0.0035	0.015	0.0026	0.014
7/24/2015				0.0083	0.0048			
7/27/2015						0.013	<0.001	0.011
7/28/2015			0.0016 (J)					
7/29/2015	<0.001	<0.001						
1/20/2016				0.007	0.0044			
1/21/2016		<0.001	0.0017 (J)					
1/25/2016	<0.001							
1/26/2016						0.012	0.002 (J)	0.0096
1/25/2017	<0.001	<0.001						
1/26/2017			<0.001	0.0066	0.005	0.011	0.0034	
1/31/2017								0.055 (O)
8/3/2017		0.012 (O)	<0.001	0.0088	0.0051			
8/4/2017	<0.001					0.011		
8/7/2017							0.011 (o)	0.0093
1/23/2018	<0.001	<0.001	<0.001	0.0074	0.0054	0.0071		
1/24/2018							0.0023 (J)	0.01
6/19/2018			<0.001					
6/20/2018		<0.001						

Time Series

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
6/21/2018							0.0031	0.0083
6/25/2018				0.0053	0.0056	0.011		
6/26/2018	<0.001							
1/21/2019			0.0011			0.0077		
1/22/2019							0.0025	0.008
1/28/2019		0.00047 (J)						
1/30/2019	0.00054 (J)			0.0032	0.0057			
6/25/2019						0.01	0.0053	0.01
6/26/2019	0.00068 (J)	0.00047 (J)	0.0013	0.0051	0.0052			
9/10/2019						0.0089	0.0026	
9/11/2019		0.0014						
9/12/2019	0.00078 (J)		0.0012	0.0085	0.0099			
9/16/2019								0.0091
3/11/2020		0.0005 (J)	0.001					
3/12/2020	0.0012					0.0074	0.0019	
3/16/2020				0.0049	0.0043			0.0091
9/9/2020				0.0051				
9/11/2020		0.00053 (J)	0.00095 (J)		0.0063			0.016
9/14/2020						0.0094	0.0041	
9/16/2020	0.0012							
3/16/2021		0.00059 (J)	0.0011			0.0067	0.0026	0.012
3/17/2021				0.0035	0.006			
3/18/2021	<0.001							
8/18/2021			0.00094 (J)		0.0058			
8/19/2021				0.0037		0.0093		
8/20/2021							0.0041	
8/24/2021	<0.001	0.00043 (J)						
8/25/2021								0.0041
3/2/2022		0.00064 (J)	0.0015	0.0038	0.0053	0.0076	0.003	
3/9/2022	<0.001							0.0076

Time Series

Constituent: pH, Field (S.U.) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
1/19/2016				5.92					
1/20/2016		5.47							
1/21/2016	5.03								
1/22/2016			6.27						
1/25/2016							6.27		
1/26/2016								6.11	7.37
3/22/2016			6.72	5.92					
3/23/2016	5.56	5.85							
3/29/2016								6.59	7.53
5/19/2016				5.95		6.45			
5/20/2016	5.62								
5/23/2016			6.29						
5/24/2016		5.86							
5/25/2016					6.48		6.44	6.31	7.44
7/21/2016	5.500376			6.049508		6.449699			
7/25/2016			6.178217					6.287783	
7/26/2016		5.808275							
7/27/2016					6.43219		6.364588		
9/14/2016						6.396439			
9/15/2016	5.31	7.195292 (O)		6.444541					6.283325
9/16/2016			6.545359				6.202937		
9/19/2016								6.027665	
11/9/2016			6						
11/10/2016		5.63				6.19			
11/11/2016	5.4								
11/16/2016								6.04	6.99
11/17/2016							5.95		
1/17/2017			6.09			6.18			
1/19/2017	5.73	5.63							
1/31/2017							6.47	5.94	7.065 (D)
3/15/2017				5.86					
3/16/2017	5.25		5.98			6.1			
3/17/2017		5.68							
3/23/2017								6.06	7.41
4/27/2017			5.96	5.85					
4/28/2017	5.35	5.77				6.51			
5/2/2017							6.69	5.95	
5/3/2017									7.32
8/1/2017			6.01 (D)	5.86 (D)	6.35 (D)				
8/2/2017		5.67 (D)				6.23 (D)			
8/3/2017	5.32 (D)								
8/7/2017								6.11 (D)	7.25 (D)
8/8/2017							6.67 (D)		
1/19/2018	5.39 (D)	5.68 (D)	6.15 (D)	5.83 (D)					
1/22/2018						6.3 (D)			
1/24/2018							6.47 (D)	6.17 (D)	7.02 (D)
6/19/2018	5.27	5.84	5.96	5.77		6.2			
6/20/2018					6.28			5.92	
6/21/2018							5.76		
6/26/2018									7.43
9/25/2018	5.27	5.52	5.94	5.92		6.21			
9/27/2018							5.5	5.97	

Time Series

Constituent: pH, Field (S.U.) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
9/28/2018									7.3
1/17/2019	5.43	5.81			6.06	6.29			
1/18/2019				5.86					
1/21/2019			5.92						
1/24/2019								6.25	
1/25/2019									7.49
1/31/2019							5.75		
6/24/2019	5.3	5.75			5.68	6.12			
6/25/2019			6.03	5.96	5.58				
6/26/2019							5.78	5.97	7.28
9/9/2019	5.37								
9/10/2019		5.63	5.79	5.94		6.18			
9/11/2019					5.49				7.47
9/16/2019								6.07	
9/17/2019							5.55		
3/10/2020	5.42	5.72	6.05	5.75	5.53	6.24			
3/16/2020								5.92	
3/17/2020							5.96		
3/18/2020									7.55
9/9/2020	5.62		5.9	5.63	5.39	6.19			
9/10/2020		5.41					5.31	5.82	7.15
12/2/2020							5.72		
3/15/2021	5.55	5.44	6.09	5.51	5.28	6			
3/16/2021									7.62
3/17/2021								6.23	
3/18/2021							6.13		
8/16/2021	5.48		6.21						
8/18/2021		5.58		5.79	5.32	6.22			
8/19/2021									7.26
8/20/2021							5.68		
8/23/2021								6.02	
2/28/2022	5.29								
3/1/2022		5.65	5.96		5.7	6.29			
3/2/2022				5.87					
3/7/2022								6.1	7.32
3/8/2022							5.9		

Time Series

Constituent: pH, Field (S.U.) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
1/26/2016									5.39
1/27/2016	6.52	5.88	6.67	6.03	6.27		6.14	6.08	
3/29/2016	7.49								
3/30/2016		6.01	6.7		6.22	6.03	6.1	6.27	5.88
5/25/2016	6.76	5.52	6.52	6.22	6.24				
5/26/2016						6.03	5.99	6.23	5.55
7/25/2016						6.066342	6.063209	6.3145	
7/26/2016	6.859244	6.066915	6.719922						5.64011
7/27/2016				6.30178	6.321385				
9/15/2016	7.565879	5.220961							
9/16/2016				7.5561 (O)					
9/19/2016					7.948709 (O)	6.040669	6.276656		
9/20/2016			6.519229					7.120962	6.575025
11/17/2016	6.63	5.05	6.54	5.9	6.11		5.97		5.56
2/1/2017		5.5	6.56	6.14	6.18	5.98			
2/2/2017								6.17	
3/23/2017	6.85	5.41							
3/24/2017				5.99	6.34	5.85	5.82		
3/28/2017									5.36
5/3/2017	6.57	5.71	6.5	6.06	6.09	5.92	5.89		
5/4/2017								6.38	5.55
8/4/2017	6.77 (D)		6.55 (D)						
8/7/2017		5.03 (D)		6.12 (D)	6.16 (D)	5.98 (D)	5.93 (D)	6.19 (D)	5.61 (D)
1/25/2018	6.63 (D)	5.64 (D)	6.45 (D)	6.1 (D)	6.2 (D)	6.03 (D)	5.89 (D)		
1/26/2018								6.16 (D)	5.65 (D)
6/20/2018	6.66	5.05	7.24	6.08					5.48
6/21/2018						5.87	5.78	6.65	
6/26/2018					6.1				
9/27/2018							5.82	6.29	5.38
9/28/2018						5.77			
10/1/2018		5.59	6.5	6.12					
10/2/2018	6.91				6.16				
1/22/2019	6.61	5.72	6.48						
1/24/2019					6.31				6.01
1/25/2019				6.05					
1/28/2019						6.03	5.96	6.31	
6/25/2019	6.54	5.49	6.43	6.08	6.12			6.15	5.35
6/26/2019							5.78		
6/27/2019						5.78			
9/11/2019				6.22	6.39	6.02		6.27	5.71
9/12/2019	6.73	4.92					5.92		
9/17/2019			6.54						
3/12/2020	6.68								
3/16/2020			6.58						
3/17/2020		5.63		6.35	6.09	5.88			
3/18/2020							5.71	6.16	5.45
9/10/2020	6.69	5	6.31						
9/11/2020				5.85					
9/14/2020					6.37	5.77			
9/15/2020							5.72	6.28	5.3
3/16/2021					6.22	6.03		6.33	5.47
3/17/2021	7.19	5.31		6.16			5.95		

Time Series

Constituent: pH, Field (S.U.) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
3/18/2021			6.92						
8/19/2021									5.54
8/20/2021				5.98	6.05				
8/23/2021	6.52	5.48							
8/24/2021			6.43			5.9	5.78	6.17	
3/7/2022		5.5	6.5					6.13	5.37
3/8/2022	6.93			6.03	6.06	6.01	5.81		

Time Series

Constituent: pH, Field (S.U.) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
1/19/2016							5.9		
1/20/2016			5.41	5.98					
1/21/2016		6.24							
1/22/2016						5.35			
1/25/2016								5.98	6.13
1/26/2016	6.46								
3/23/2016						5.57	6.78		6.22
3/24/2016					5.64				
3/28/2016				5.1					
3/29/2016		4.87							
3/31/2016	6.53								
5/20/2016							6.05		
5/23/2016									5.99
5/24/2016					5.78	5.58			
5/25/2016		6.11	6.46	5.7				6.3	
5/26/2016	6.69								
7/21/2016							6.188237		
7/22/2016									7.552699 (O)
7/26/2016	6.620398				6.038068	5.614371			
7/27/2016			6.119047	5.966094				6.327805	
9/16/2016			6.310241						6.260319
9/19/2016				6.070052		5.506855			
9/20/2016	6.696588	7.295281			5.701864		6.075727		
11/11/2016						5.88			
11/14/2016					5.64		5.93		
11/15/2016				6.35					6.22
11/17/2016	6.52								
11/18/2016		6.32	5.62						
1/19/2017					5.7				
1/20/2017				6.54		5.71			
1/23/2017				6.59					
1/24/2017							6.03 (D)	5.93	
1/25/2017									6.17
2/3/2017		5.91							
2/6/2017			5.36					6.04	
3/16/2017					5.58	5.37			
3/17/2017							5.94		
3/23/2017				7.25					
3/24/2017				6.56					
3/28/2017	6.87	5.86	5.87					6.06	
4/28/2017						5.89			
5/1/2017					5.78		6	6.24	6.18
5/3/2017	6.59		7.5						
5/4/2017		6.2							
8/3/2017				6.33 (D)	5.61 (D)	5.65 (D)		5.98 (D)	6.32 (D)
8/4/2017							6.01 (D)		
8/8/2017	6.59 (D)	6.07 (D)							
1/19/2018						5.53 (D)			
1/22/2018					6 (D)			5.99 (D)	6.19 (D)
1/24/2018				6.12 (D)			6.29 (D)		
1/25/2018	6.49 (D)	6.06 (D)	5.74 (D)						
6/20/2018	6.42	5.84							

Time Series

Constituent: pH, Field (S.U.) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
6/21/2018							5.95		
6/26/2018									5.97
6/27/2018			5.51	6.28	5.59	5.58		5.99	
9/26/2018				6.4					
9/27/2018					5.68	5.7			
9/28/2018			5.28						
10/1/2018	6.7	5.96							
10/2/2018									6.06
10/3/2018							6.38	6.2	
1/24/2019	6.69			6	5.78	5.39			
1/25/2019		5.97							
1/30/2019							6.08		6.12
1/31/2019			5.28					6.03	
6/25/2019	6.59			5.66	5.63				
6/26/2019		5.86	5.59			5.72		6.18	
6/27/2019							6.08		6.11
9/10/2019	6.44						6.63		
9/11/2019			5.21	5.99				6.34	
9/12/2019		5.93			5.63	5.36			6.08
1/14/2020				6.18				6.04	6.11
3/11/2020							6.04		
3/12/2020			5.33	6.4		5.36			
3/13/2020					5.52				
3/17/2020								6.15	
3/18/2020	6.85	6.06							6.13
9/9/2020						5.63			
9/10/2020	6.86	5.8					6.59		
9/11/2020								6.01	
9/14/2020				5.47					
9/15/2020			4.97		5.63				5.88
3/15/2021	6.78								
3/16/2021								5.89	
3/17/2021				5.97	5.61				6.14
3/18/2021		6.02	5.16			5.39	5.77		
8/19/2021	6.58		5.1	5.97	5.69				
8/23/2021		5.9				5.35	5.96		
8/24/2021									6.12
8/25/2021								6.01	
3/2/2022							6.07		
3/8/2022	6.41			6.24		5.57			
3/9/2022		5.5			5.69				6.11
3/10/2022			5.14					6.02	

Time Series

Constituent: pH, Field (S.U.) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
1/20/2016				6.15	5.97	6.23		
1/21/2016		5.51	5.19					
1/25/2016	6.23							
1/26/2016							5.99	
3/23/2016	6.7							
3/24/2016		6.66	6.32					
3/28/2016				7.05	6.5			
3/29/2016						6.42	6.45	5.86
5/23/2016		5.92		6.47				
5/24/2016	6.26				6	6.38	6.17	5.81
5/25/2016			5.58					
7/21/2016		6.008569	5.701591	6.424029	6.08222			
7/22/2016	6.956045					6.438562		
7/25/2016								5.876175
7/26/2016							6.291124	
9/15/2016		5.982305	5.629095	7.042684	6.383623	6.347438		
9/16/2016	6.411956							
9/19/2016							6.550086	6.323668
11/15/2016		6.03	5.66	6.29				
11/16/2016	6.15				5.99	6.35	5.96	
1/25/2017	6.09	5.92						
1/26/2017			5.61	6.29	6.12	6.45	6.14	
1/31/2017								5.75
3/22/2017	6.18	5.66	5.42					
3/23/2017							5.95	5.97
5/1/2017	6.45	5.88						
5/2/2017			5.72	6.98	5.86	6.32	6.11	6.11
8/3/2017	6.52 (D)	5.98 (D)	5.65 (D)	6.18 (D)	5.92 (D)			
8/4/2017						6.35 (D)		
8/7/2017							6.02 (D)	5.78 (D)
1/22/2018	6.22 (D)							
1/23/2018		6.11 (D)	5.64 (D)	6.44 (D)	6.08 (D)	6.55 (D)		
1/24/2018							5.91 (D)	5.98 (D)
6/19/2018			5.59					
6/20/2018		5.97						
6/21/2018							5.9	5.68
6/25/2018				6.42	5.86	6.26		
6/26/2018	6.15							
9/25/2018					5.87			
9/26/2018							5.9	5.71
10/1/2018			5.55					
10/2/2018	6.47	5.86				6.31		
10/3/2018				6.33				
1/21/2019			5.53			6.33		
1/22/2019							5.95	5.8
1/28/2019		6.08						
1/30/2019	6.41			6.94	5.99			
6/25/2019						6.23	5.85	5.71
6/26/2019	6.3	5.8	5.55	6.42	5.82			
9/10/2019						6.3	5.9	
9/11/2019		5.92						
9/12/2019	6.5		5.68	6.34	6			

Time Series

Constituent: pH, Field (S.U.) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
9/16/2019								5.69
1/13/2020							5.89	
3/11/2020		5.93	5.62					
3/12/2020	6.37					6.45	5.86	
3/16/2020				6.35	5.86			5.8
9/9/2020				6.4				
9/11/2020		5.68	5.4		5.71			5.4
9/14/2020						6.14	5.64	
9/16/2020	5.71							
3/16/2021		5.78	5.44			6.5	5.99	5.78
3/17/2021				6.22	6.1			
3/18/2021	6.41							
8/18/2021			5.53		5.9			
8/19/2021				6.42		6.38		
8/20/2021							5.91	
8/24/2021	6.32	5.93						
8/25/2021								5.55
3/2/2022		5.91	5.73	6.31	5.89	6.4	5.89	
3/9/2022	5.85							5.53

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
8/31/2011					<0.005	<0.005			
9/13/2011								<0.005	<0.005
9/16/2011	<0.005		<0.005						
9/17/2011		<0.005		<0.005					
10/27/2011	<0.005	<0.005				<0.005			
10/28/2011			<0.005	<0.005				<0.005	<0.005
12/4/2011								<0.005	<0.005
12/12/2011			<0.005	<0.005					
12/13/2011	<0.005								
12/14/2011		<0.005				<0.005			
1/24/2012									<0.005
1/25/2012			<0.005						
1/31/2012	<0.005			<0.005					
2/1/2012						<0.005			
2/7/2012		<0.005							
2/9/2012								<0.005	
7/11/2012									<0.005
7/16/2012			<0.005						
7/17/2012				<0.005					
7/18/2012	<0.005							<0.005	
7/23/2012		<0.005				<0.005			
1/8/2013								<0.005	<0.005
1/23/2013		<0.005				<0.005			
1/24/2013	<0.005		<0.005	<0.005					
7/9/2013								<0.005	
7/10/2013									<0.005
7/17/2013	<0.005					<0.005			
7/23/2013			<0.005						
7/24/2013		<0.005		<0.005					
1/15/2014						<0.005		<0.005	
1/21/2014	<0.005								<0.005
1/22/2014		<0.005	<0.005	<0.005					
6/25/2014	<0.005				<0.005	<0.005		<0.005	
7/1/2014		<0.005	<0.005						<0.005
7/8/2014				<0.005 (D)					
1/14/2015	<0.005					<0.005			
1/21/2015			<0.005	<0.005				<0.005	<0.005
1/22/2015		<0.005							
7/21/2015	<0.005		<0.005		<0.005	<0.005			
7/22/2015		<0.005		<0.005					
7/28/2015								<0.005	<0.005
1/19/2016				<0.005 (D)					
1/20/2016		<0.005				<0.005			
1/21/2016	<0.005								
1/22/2016			<0.005						
1/25/2016							<0.005		
1/26/2016								<0.005	<0.005
3/22/2016			<0.005	<0.005					
3/23/2016	<0.005	<0.005				<0.005			
3/29/2016								<0.005	<0.005
3/30/2016							<0.005		
3/31/2016					<0.005				

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
5/19/2016				<0.005		<0.005			
5/20/2016	<0.005								
5/23/2016			<0.005						
5/24/2016		<0.005							
5/25/2016					<0.005		<0.005	<0.005	<0.005
7/21/2016	<0.005			0.00045 (J)		<0.005			
7/22/2016									<0.005
7/25/2016			0.0004 (J)					0.00041 (J)	
7/26/2016		<0.005							
7/27/2016					<0.005		<0.005		
9/14/2016						<0.005			
9/15/2016	<0.005		<0.005						<0.005
9/16/2016		<0.005					<0.005		
9/19/2016								0.00084 (J)	
11/9/2016			<0.005						
11/10/2016		<0.005				<0.005			
11/11/2016	<0.005								
11/16/2016								<0.005	<0.005
11/17/2016							<0.005		
1/17/2017			<0.005	<0.005		<0.005			
1/19/2017	<0.005	<0.005							
1/31/2017								0.00033 (J)	<0.005
2/1/2017							<0.005		
3/16/2017	<0.005		<0.005			<0.005			
3/17/2017		<0.005							
3/23/2017								<0.005	<0.005
3/24/2017							<0.005		
4/27/2017			<0.005	<0.005		<0.005			
4/28/2017	<0.005	<0.005							
5/2/2017								<0.005	
5/3/2017							<0.005		<0.005
7/18/2017				<0.005					
8/1/2017			<0.005	<0.005 (*)	<0.005 (*)				
8/2/2017		<0.005				<0.005			
8/3/2017	<0.005								
8/7/2017								<0.005	0.00032 (J)
8/8/2017							<0.005		
10/3/2017					<0.005				
1/19/2018	<0.005	<0.005	0.00073 (J)	0.00027 (J)					
1/22/2018						<0.005			
1/24/2018								<0.005	<0.005
1/25/2018							<0.005		
6/19/2018	0.00054 (J)	<0.005	<0.005	0.00051 (J)		0.00086 (J)			
6/20/2018					<0.005			0.00026 (J)	
6/21/2018							<0.005		
6/26/2018									<0.005
1/17/2019	<0.005	<0.005				<0.005			
1/18/2019				<0.005	<0.005				
1/21/2019			<0.005						
1/24/2019								<0.005	
1/25/2019									<0.005
1/31/2019							<0.005		

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
6/24/2019	<0.005	<0.005				<0.005			
6/25/2019			<0.005	<0.005	<0.005				
6/26/2019							<0.005	<0.005	<0.005
9/9/2019	<0.005								
9/10/2019		<0.005	<0.005	<0.005		<0.005			
9/11/2019					<0.005				<0.005
9/16/2019								<0.005	
9/17/2019							<0.005		
3/10/2020	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
3/16/2020								<0.005	
3/17/2020							<0.005		
3/18/2020									<0.005
9/9/2020	<0.005		<0.005	<0.005	<0.005	<0.005			
9/10/2020		<0.005					<0.005	<0.005	<0.005
3/15/2021	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
3/16/2021									<0.005
3/17/2021								<0.005	
3/18/2021							<0.005		
8/16/2021	<0.005		<0.005						
8/18/2021		<0.005		<0.005	<0.005	<0.005			
8/19/2021									<0.005
8/20/2021							<0.005		
8/23/2021								<0.005	
2/28/2022	<0.005								
3/1/2022		<0.005	<0.005		<0.005	<0.005			
3/2/2022				<0.005					
3/7/2022								<0.005	<0.005
3/8/2022							<0.005		

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
8/30/2011				<0.005	<0.005	<0.005	<0.005		
8/31/2011								<0.005	<0.005
9/13/2011	<0.005	<0.005							
9/16/2011			<0.005						
10/26/2011				<0.005	<0.005	<0.005	<0.005		
10/27/2011		<0.005	<0.005					<0.005	<0.005
10/28/2011	<0.005								
12/3/2011		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		
12/4/2011	<0.005							<0.005	<0.005
1/24/2012	<0.005	<0.005							
1/25/2012				<0.005	<0.005				
2/8/2012							<0.005	<0.005	<0.005
2/9/2012			<0.005			<0.005			
7/11/2012	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
7/17/2012									<0.005
1/8/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
1/9/2013									<0.005
7/2/2013			<0.005	<0.005					
7/10/2013	<0.005	<0.005							
7/16/2013					<0.005	<0.005	<0.005	<0.005	<0.005
1/14/2014				<0.005	<0.005	<0.005			
1/21/2014	<0.005	<0.005	<0.005				<0.005	<0.005	<0.005
6/24/2014			<0.005			<0.005	<0.005	<0.005	<0.005
6/25/2014				<0.005	<0.005				
7/1/2014	<0.005	<0.005							
1/13/2015				<0.005		<0.005	<0.005	<0.005	<0.005
1/14/2015		<0.005	<0.005		<0.005				
1/21/2015	<0.005								
7/22/2015		<0.005	<0.005	<0.005					
7/23/2015						<0.005	<0.005	<0.005	<0.005
7/28/2015	<0.005				<0.005				
1/26/2016									<0.005
1/27/2016	<0.005	0.0071	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
3/29/2016	<0.005								
3/30/2016		0.00273 (J)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
4/20/2016		<0.005							
5/25/2016	<0.005	<0.005	<0.005	<0.005	<0.005				
5/26/2016						<0.005	<0.005	<0.005	<0.005
7/25/2016						0.00073 (J)	<0.005	<0.005	
7/26/2016	<0.005	<0.005	<0.005						<0.005
7/27/2016				0.00029 (J)	<0.005				
9/15/2016	<0.005	<0.005							
9/16/2016				<0.005					
9/19/2016					<0.005	<0.005	<0.005		
9/20/2016			<0.005					<0.005	<0.005
11/17/2016	<0.005	0.00047 (J)	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1/31/2017	<0.005								
2/1/2017		<0.005	<0.005	<0.005	<0.005	<0.005			
2/2/2017							<0.005	<0.005	<0.005
3/23/2017	0.0021	<0.005	<0.005						
3/24/2017				<0.005	<0.005	<0.005	<0.005		
3/28/2017								<0.005	<0.005

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
5/3/2017	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		
5/4/2017								<0.005	<0.005
8/4/2017	<0.005		<0.005						
8/7/2017		0.00088 (J)		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
1/25/2018	<0.005	0.00025 (J)	<0.005	<0.005	<0.005	<0.005	<0.005		
1/26/2018								<0.005	<0.005
6/20/2018	<0.005	0.0017	0.00027 (J)	<0.005					0.00046 (J)
6/21/2018						<0.005	<0.005	<0.005	
6/26/2018					<0.005				
1/22/2019	<0.005	<0.005	<0.005						
1/24/2019					<0.005				<0.005
1/25/2019				<0.005					
1/28/2019						<0.005	<0.005	<0.005	
6/25/2019	<0.005	<0.005	<0.005	<0.005	<0.005			<0.005	<0.005
6/26/2019							<0.005		
6/27/2019						<0.005			
9/11/2019				<0.005	<0.005	<0.005		<0.005	<0.005
9/12/2019	<0.005	0.0032 (J)					<0.005		
9/17/2019			<0.005						
3/12/2020	<0.005								
3/16/2020			<0.005						
3/17/2020		0.0023 (J)		<0.005	<0.005	<0.005			
3/18/2020							<0.005	<0.005	<0.005
9/10/2020	<0.005	0.0022 (J)	<0.005						
9/11/2020				<0.005					
9/14/2020					<0.005	<0.005			
9/15/2020							<0.005	<0.005	<0.005
3/16/2021					<0.005	<0.005		<0.005	<0.005
3/17/2021	<0.005	0.0025 (J)		<0.005			<0.005		
3/18/2021			<0.005						
8/19/2021									<0.005
8/20/2021				<0.005	<0.005				
8/23/2021	<0.005	<0.005							
8/24/2021			<0.005			<0.005	<0.005	<0.005	
3/7/2022		<0.005	<0.005					<0.005	<0.005
3/8/2022	<0.005			<0.005	<0.005	<0.005	<0.005		

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
9/15/2011	<0.005						<0.005		<0.005
9/16/2011		<0.005							
9/17/2011				<0.005	<0.005	<0.005		<0.005	
10/28/2011							<0.005		
10/29/2011	<0.005	<0.005			<0.005	<0.005			
10/31/2011				<0.005				<0.005	<0.005
12/13/2011	<0.005	<0.005					<0.005		<0.005
12/14/2011				<0.005	<0.005	<0.005			
1/25/2012	<0.005					<0.005			
1/31/2012		<0.005							
2/1/2012									<0.005
2/7/2012				<0.005	<0.005			<0.005	
2/8/2012							<0.005		
7/17/2012				<0.005	<0.005	<0.005			<0.005
7/18/2012	<0.005	<0.005					<0.005		
1/22/2013	<0.005	<0.005							
1/23/2013								<0.005	<0.005
1/24/2013					<0.005	<0.005	<0.005		
7/16/2013	<0.005								
7/23/2013		<0.005							
7/24/2013				<0.005	<0.005	<0.005	<0.005		<0.005
1/21/2014	<0.005								
1/22/2014		<0.005							
1/23/2014				<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
6/25/2014	<0.005								
7/1/2014		<0.005					<0.005	<0.005	<0.005
7/8/2014			<0.005	<0.005	<0.005	<0.005			
1/14/2015	<0.005								
1/20/2015							<0.005		<0.005
1/21/2015				<0.005	<0.005	<0.005		<0.005	
1/22/2015		<0.005							
7/23/2015	<0.005								
7/29/2015		<0.005							
7/30/2015				<0.005		<0.005	<0.005		<0.005
7/31/2015			<0.005		<0.005				
1/19/2016							<0.005		
1/20/2016			<0.005						
1/21/2016		<0.005		<0.005					
1/22/2016						<0.005			
1/25/2016					<0.005			<0.005	<0.005
1/26/2016	<0.005								
3/23/2016						<0.005	<0.005		<0.005
3/24/2016					<0.005				
3/28/2016				<0.005					
3/29/2016		<0.005							
3/30/2016			<0.005					<0.005	
3/31/2016	<0.005								
5/20/2016							<0.005		
5/24/2016						<0.005			<0.005
5/25/2016		<0.005	<0.005	<0.005	<0.005			<0.005	
5/26/2016	<0.005								
7/21/2016							0.0003 (J)		

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
7/22/2016									0.00025 (J)
7/26/2016	<0.005				<0.005	<0.005			
7/27/2016		<0.005	<0.005	0.00033 (J)				0.00095 (J)	
9/16/2016			<0.005						<0.005
9/19/2016				<0.005	<0.005	<0.005			
9/20/2016	<0.005	<0.005					<0.005		
11/11/2016						<0.005			
11/14/2016					<0.005		<0.005		
11/15/2016				<0.005					<0.005
11/17/2016	<0.005								
11/18/2016		<0.005	<0.005						
1/19/2017					<0.005				
1/20/2017						0.00045 (J)			
1/24/2017				<0.005			<0.005		
1/25/2017								0.00035 (J)	
1/26/2017									<0.005
2/3/2017	<0.005	<0.005	<0.005						
3/16/2017					<0.005	<0.005			
3/17/2017							<0.005		
3/23/2017				<0.005				<0.005	
3/24/2017									<0.005
3/28/2017	<0.005	<0.005							
3/29/2017			<0.005						
4/28/2017						<0.005			
5/1/2017					0.0018		<0.005		
5/2/2017				<0.005				<0.005	<0.005
5/3/2017	<0.005								
5/4/2017		<0.005	<0.005						
7/19/2017								0.00068 (J)	
8/3/2017				<0.005	<0.005	<0.005			<0.005
8/4/2017							<0.005 (*)	<0.005 (*)	
8/8/2017	<0.005	<0.005	<0.005						
1/19/2018						<0.005			
1/22/2018					0.0003 (J)				
1/23/2018								0.001 (J)	<0.005
1/24/2018							0.00067 (J)		
1/25/2018	<0.005	<0.005	<0.005	<0.005					
6/20/2018	0.0003 (J)	<0.005							
6/21/2018							<0.005		
6/26/2018									<0.005
6/27/2018			<0.005	<0.005	<0.005	<0.005		0.00044 (J)	
1/24/2019	<0.005			<0.005	<0.005	<0.005			
1/25/2019		<0.005							
1/30/2019							<0.005		<0.005
1/31/2019			<0.005					<0.005	
6/25/2019	<0.005			<0.005	<0.005				
6/26/2019		<0.005	<0.005			<0.005		<0.005	
6/27/2019							<0.005		<0.005
9/10/2019	<0.005						<0.005		
9/11/2019			<0.005	<0.005				<0.005	
9/12/2019		<0.005			<0.005	<0.005			<0.005
3/11/2020							<0.005		

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
3/12/2020			<0.005	<0.005		<0.005			
3/13/2020					<0.005				
3/17/2020								<0.005	
3/18/2020	<0.005	<0.005							<0.005
9/9/2020						<0.005			
9/10/2020	<0.005	<0.005					<0.005		
9/11/2020								<0.005	
9/14/2020				<0.005					
9/15/2020			<0.005		<0.005				<0.005
3/15/2021	<0.005								
3/16/2021								<0.005	
3/17/2021				<0.005	<0.005				<0.005
3/18/2021		<0.005	<0.005			<0.005	<0.005		
8/19/2021	<0.005		<0.005	<0.005	<0.005				
8/23/2021		<0.005				<0.005	<0.005		
8/24/2021									<0.005
8/25/2021								<0.005	
3/2/2022							<0.005		
3/8/2022	<0.005			<0.005		<0.005			
3/9/2022		<0.005			<0.005				<0.005
3/10/2022			<0.005					<0.005	

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
8/31/2011				<0.005	<0.005			
9/7/2011						<0.005	<0.005	0.015 (O)
9/16/2011	<0.005	<0.005	<0.005					
10/27/2011				<0.005				
10/30/2011	<0.005				<0.005	<0.005	<0.005	<0.005
10/31/2011		<0.005	<0.005					
12/4/2011								<0.005
12/5/2011				<0.005	<0.005	<0.005	<0.005	
12/12/2011		<0.005	<0.005					
12/13/2011	<0.005							
1/19/2012							<0.005	<0.005
1/25/2012				<0.005	<0.005	<0.005		
2/1/2012	<0.005	<0.005	<0.005					
7/16/2012		<0.005	<0.005					
7/17/2012	<0.005							
7/18/2012				<0.005		<0.005	<0.005	<0.005
7/24/2012					<0.005			
1/7/2013						<0.005	<0.005	
1/8/2013					<0.005			<0.005
1/9/2013				<0.005				
1/22/2013		<0.005	<0.005					
1/23/2013	<0.005							
7/2/2013			<0.005					
7/9/2013					<0.005	<0.005	<0.005	<0.005
7/17/2013	<0.005	<0.005		<0.005				
1/14/2014						<0.005	<0.005	<0.005
1/15/2014				<0.005	<0.005			
1/21/2014			<0.005					
1/23/2014	<0.005	<0.005						
6/24/2014						<0.005	<0.005	<0.005
6/25/2014		<0.005	<0.005	<0.005	<0.005			
1/13/2015				<0.005				
1/14/2015		<0.005	<0.005					
1/20/2015	<0.005				<0.005	<0.005	<0.005	<0.005
7/24/2015				<0.005	<0.005			
7/27/2015						<0.005	<0.005	<0.005
7/28/2015			<0.005					
7/29/2015	<0.005	<0.005						
1/20/2016				<0.005	<0.005			
1/21/2016		<0.005	<0.005					
1/25/2016	<0.005							
1/26/2016						<0.005	<0.005	<0.005
3/23/2016	<0.005							
3/24/2016		<0.005	<0.005					
3/28/2016				<0.005	<0.005			
3/29/2016						<0.005	<0.005	<0.005
5/23/2016		<0.005	<0.005	<0.005				
5/24/2016	<0.005				<0.005	<0.005	<0.005	<0.005
7/21/2016		<0.005	<0.005	0.00025 (J)	<0.005			
7/22/2016	0.00074 (J)					<0.005		
7/25/2016								<0.005
7/26/2016							<0.005	

Time Series

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
9/15/2016		<0.005	<0.005	<0.005	<0.005	<0.005		
9/16/2016	<0.005							
9/19/2016							<0.005	<0.005
11/15/2016		<0.005	<0.005	<0.005				
11/16/2016					0.00031 (J)	<0.005	<0.005	<0.005
11/17/2016	<0.005							
1/25/2017	<0.005	<0.005						
1/26/2017			<0.005	<0.005	<0.005	<0.005	<0.005	
1/31/2017								0.00053 (J)
3/22/2017		<0.005	<0.005	<0.005	<0.005	<0.005		
3/23/2017	<0.005						<0.005	<0.005
5/1/2017	0.00084 (J)	<0.005						
5/2/2017			<0.005	<0.005	<0.005	<0.005		<0.005
5/3/2017							0.0018	
8/3/2017		<0.005	<0.005	<0.005	<0.005			
8/4/2017	<0.005 (*)					<0.005 (*)		
8/7/2017							0.00068 (J)	0.0009 (J)
1/23/2018	0.001 (J)	<0.005	<0.005	<0.005	<0.005	<0.005		
1/24/2018							0.00025 (J)	0.00052 (J)
6/19/2018			0.00025 (J)					
6/20/2018		<0.005						
6/21/2018							0.00029 (J)	0.00063 (J)
6/25/2018				0.0008 (J)	0.0008 (J)	<0.005		
6/26/2018	0.00085 (J)							
1/21/2019			<0.005			<0.005		
1/22/2019							<0.005	<0.005
1/28/2019		<0.005						
1/30/2019	<0.005			<0.005	<0.005			
6/25/2019						<0.005	<0.005	<0.005
6/26/2019	<0.005	<0.005	<0.005	<0.005	<0.005			
9/10/2019						<0.005	<0.005	
9/11/2019		<0.005						
9/12/2019	<0.005		<0.005	<0.005	<0.005			
9/16/2019								<0.005
3/11/2020		<0.005	<0.005					
3/12/2020	<0.005					<0.005	<0.005	
3/16/2020				<0.005	<0.005			<0.005
9/9/2020				<0.005				
9/11/2020		<0.005	<0.005		<0.005			<0.005
9/14/2020						<0.005	<0.005	
9/16/2020	<0.005							
3/16/2021		<0.005	<0.005			<0.005	<0.005	<0.005
3/17/2021				<0.005	<0.005			
3/18/2021	<0.005							
8/18/2021			<0.005		<0.005			
8/19/2021				<0.005		<0.005		
8/20/2021							<0.005	
8/24/2021	<0.005	<0.005						
8/25/2021								<0.005
3/2/2022		<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
3/9/2022	<0.005							<0.005

Time Series

Constituent: Silver (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
8/31/2011					<0.001	<0.001			
9/13/2011								<0.001	<0.001
9/16/2011	<0.001		<0.001						
9/17/2011		<0.001		<0.001					
10/27/2011	<0.001	<0.001				<0.001			
10/28/2011			<0.001	<0.001				<0.001	<0.001
12/4/2011								<0.001	<0.001
12/12/2011			<0.001	<0.001					
12/13/2011	<0.001								
12/14/2011		<0.001				<0.001			
1/24/2012									<0.001
1/25/2012			<0.001						
1/31/2012	<0.001			<0.001					
2/1/2012						<0.001			
2/7/2012		<0.001							
2/9/2012								<0.001	
7/11/2012									<0.001
7/16/2012			<0.001						
7/17/2012				<0.001					
7/18/2012	<0.001							<0.001	
7/23/2012		<0.001				<0.001			
1/8/2013								<0.001	<0.001
1/23/2013		<0.001				<0.001			
1/24/2013	<0.001		<0.001	<0.001					
7/9/2013								<0.001	
7/10/2013									<0.001
7/17/2013	<0.001					<0.001			
7/23/2013			<0.001						
7/24/2013		<0.001		0.003					
1/15/2014						<0.001		<0.001	
1/21/2014	<0.001								<0.001
1/22/2014		<0.001	<0.001	0.0011 (J)					
6/25/2014	<0.001				<0.001	<0.001		<0.001	
7/1/2014		<0.001	<0.001						<0.001
7/8/2014				0.0013 (JD)					
1/14/2015	<0.001					<0.001			
1/21/2015			<0.001	0.00071 (J)				<0.001	<0.001
1/22/2015		<0.001							
7/21/2015	<0.001		<0.001		<0.001	<0.001			
7/22/2015		<0.001		0.00059 (J)					
7/28/2015								<0.001	<0.001
1/19/2016				0.0011 (JD)					
1/20/2016		<0.001				<0.001			
1/21/2016	<0.001								
1/22/2016			<0.001						
1/25/2016							<0.001		
1/26/2016								<0.001	<0.001
1/17/2017			<0.001	0.0015		<0.001			
1/19/2017	<0.001	<0.001							
1/31/2017								<0.001	<0.001
2/1/2017							<0.001		
8/1/2017			<0.001	0.00098 (J)	<0.001				

Time Series

Constituent: Silver (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
8/2/2017		<0.001				<0.001			
8/3/2017	<0.001								
8/7/2017								<0.001	<0.001
8/8/2017							<0.001		
1/19/2018	<0.001	<0.001	<0.001	0.00081 (J)					
1/22/2018						<0.001			
1/24/2018								<0.001	<0.001
1/25/2018							<0.001		
6/19/2018	<0.001	<0.001	<0.001	0.0009 (J)		<0.001			
6/20/2018					<0.001			<0.001	
6/21/2018							<0.001		
6/26/2018									<0.001
1/17/2019	<0.001	<0.001				<0.001			
1/18/2019				0.00061 (J)	<0.001				
1/21/2019			<0.001						
1/24/2019								0.00033 (J)	
1/25/2019									0.00017 (J)
1/31/2019							0.0055 (o)		
6/24/2019	<0.001	<0.001				<0.001			
6/25/2019			<0.001	0.0017	<0.001				
6/26/2019							<0.001	<0.001	<0.001
9/9/2019	<0.001								
9/10/2019		<0.001	<0.001	0.0015		<0.001			
9/11/2019					<0.001				<0.001
9/16/2019								<0.001	
9/17/2019							<0.001		
3/10/2020	<0.001	<0.001	<0.001	0.00099 (J)	<0.001	<0.001			
3/16/2020								<0.001	
3/17/2020							<0.001		
3/18/2020									<0.001
9/9/2020	<0.001		<0.001	0.00094 (J)	<0.001	<0.001			
9/10/2020		<0.001					<0.001	<0.001	<0.001
3/15/2021	<0.001	<0.001	<0.001	0.00085 (J)	<0.001	<0.001			
3/16/2021									<0.001
3/17/2021								<0.001	
3/18/2021							<0.001		
8/16/2021	<0.001		<0.001						
8/18/2021		<0.001		0.0013	<0.001	<0.001			
8/19/2021									<0.001
8/20/2021							<0.001		
8/23/2021								<0.001	
2/28/2022	<0.001								
3/1/2022		<0.001	<0.001		<0.001	<0.001			
3/2/2022				0.0013					
3/7/2022								<0.001	<0.001
3/8/2022							<0.001		

Time Series

Constituent: Silver (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
8/30/2011				<0.001	<0.001	<0.001	<0.001		
8/31/2011								<0.001	<0.001
9/13/2011	<0.001	<0.001							
9/16/2011			<0.001						
10/26/2011				<0.001		<0.001	<0.001		
10/27/2011		<0.001	<0.001		<0.001			<0.001	<0.001
10/28/2011	<0.001								
12/3/2011		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
12/4/2011	<0.001							<0.001	<0.001
1/24/2012	<0.001	<0.001							
1/25/2012				<0.001	<0.001				
2/8/2012			<0.001			<0.001	<0.001	<0.001	<0.001
7/11/2012	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
7/17/2012									<0.001
1/8/2013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
1/9/2013									<0.001
7/2/2013			<0.001	<0.001					
7/10/2013	<0.001	<0.001							
7/16/2013					<0.001	<0.001	<0.001	<0.001	<0.001
1/14/2014				<0.001	<0.001	<0.001			
1/21/2014	<0.001	<0.001	<0.001				<0.001	<0.001	<0.001
6/24/2014			<0.001			<0.001	<0.001	<0.001	<0.001
6/25/2014				<0.001	<0.001				
7/1/2014	<0.001	<0.001							
1/13/2015				<0.001		<0.001	<0.001	<0.001	<0.001
1/14/2015		<0.001	<0.001		<0.001				
1/21/2015	<0.001								
7/22/2015		<0.001	<0.001	<0.001					
7/23/2015						<0.001	<0.001	<0.001	<0.001
7/28/2015	<0.001				<0.001				
1/26/2016									<0.001
1/27/2016	<0.001	0.00078 (J)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
1/31/2017	<0.001								
2/1/2017		<0.001	<0.001	<0.001	<0.001	<0.001			
2/2/2017							<0.001	<0.001	<0.001
8/4/2017	<0.001		<0.001						
8/7/2017		<0.001		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1/25/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
1/26/2018								<0.001	<0.001
6/20/2018	<0.001	<0.001	<0.001	<0.001					<0.001
6/21/2018						<0.001	<0.001	<0.001	
6/26/2018					<0.001				
1/22/2019	<0.001	<0.001	<0.001						
1/24/2019					0.00047 (J)				0.00063 (J)
1/25/2019				0.00035 (J)					
1/28/2019						<0.001	<0.001	<0.001	
6/25/2019	<0.001	<0.001	<0.001	<0.001	<0.001			<0.001	<0.001
6/26/2019							<0.001		
6/27/2019						<0.001			
9/11/2019				<0.001	<0.001	<0.001		<0.001	<0.001
9/12/2019	<0.001	<0.001					<0.001		
9/17/2019			<0.001						

Time Series

Constituent: Silver (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
3/12/2020	<0.001								
3/16/2020			<0.001						
3/17/2020		<0.001		<0.001	<0.001	<0.001			
3/18/2020							<0.001	<0.001	<0.001
9/10/2020	<0.001	<0.001	<0.001						
9/11/2020				<0.001					
9/14/2020					<0.001	<0.001			
9/15/2020							<0.001	<0.001	<0.001
3/16/2021					<0.001	<0.001		<0.001	<0.001
3/17/2021	<0.001	<0.001		<0.001			<0.001		
3/18/2021			<0.001						
8/19/2021									<0.001
8/20/2021				<0.001	<0.001				
8/23/2021	<0.001	<0.001							
8/24/2021			<0.001			<0.001	<0.001	<0.001	
3/7/2022		<0.001	<0.001					<0.001	<0.001
3/8/2022	<0.001			<0.001	<0.001	<0.001	<0.001		

Time Series

Constituent: Silver (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
9/15/2011	<0.001						<0.001		<0.001
9/16/2011		<0.001							
9/17/2011				<0.001	<0.001			<0.001	
10/28/2011							<0.001		
10/29/2011	<0.001	<0.001			<0.001	<0.001			
10/31/2011				<0.001				<0.001	<0.001
12/13/2011	<0.001	<0.001					<0.001		<0.001
12/14/2011				<0.001	<0.001	<0.001			
1/25/2012	<0.001					<0.001			
1/31/2012		<0.001							
2/1/2012									<0.001
2/7/2012				<0.001	<0.001			<0.001	
2/8/2012							<0.001		
7/17/2012				<0.001	<0.001	<0.001			<0.001
7/18/2012	<0.001	<0.001					<0.001		
1/22/2013	<0.001	<0.001							
1/23/2013								<0.001	<0.001
1/24/2013					<0.001	<0.001	<0.001		
7/16/2013	<0.001								
7/23/2013		<0.001							
7/24/2013				<0.001	<0.001	<0.001	<0.001		<0.001
1/21/2014	<0.001								
1/22/2014		<0.001							
1/23/2014				<0.001	<0.001	<0.001	<0.001	0.00034 (J)	<0.001
6/25/2014	<0.001								
7/1/2014		<0.001					<0.001	0.0039 (O)	<0.001
7/8/2014			<0.001	<0.001	<0.001	<0.001			
1/14/2015	<0.001								
1/20/2015							<0.001		<0.001
1/21/2015				<0.001	<0.001	<0.001		<0.001	
1/22/2015		<0.001							
7/23/2015	<0.001								
7/29/2015		<0.001							
7/30/2015				<0.001		<0.001	<0.001		<0.001
7/31/2015			<0.001		<0.001				
1/19/2016							<0.001		
1/20/2016			<0.001						
1/21/2016		<0.001		<0.001					
1/22/2016						<0.001			
1/25/2016					<0.001			<0.001	<0.001
1/26/2016	<0.001								
1/19/2017					<0.001				
1/20/2017						<0.001			
1/24/2017				<0.001			<0.001		
1/25/2017								0.00087	
1/26/2017									<0.001
2/3/2017	<0.001	<0.001	<0.001						
8/3/2017				<0.001	<0.001	<0.001			<0.001
8/4/2017							<0.001	0.0005 (J)	
8/8/2017	<0.001	<0.001	<0.001						
1/19/2018						<0.001			
1/22/2018					<0.001				

Time Series

Constituent: Silver (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
1/23/2018								0.00023 (J)	<0.001
1/24/2018							<0.001		
1/25/2018	<0.001	<0.001	<0.001	<0.001					
6/20/2018	<0.001	<0.001							
6/21/2018							<0.001		
6/26/2018									<0.001
6/27/2018			<0.001	<0.001	<0.001	<0.001		0.00016 (J)	
1/24/2019	0.00038 (J)			0.00034 (J)	0.00019 (J)	0.00061 (J)			
1/25/2019		0.00039 (J)							
1/30/2019							<0.001		0.00019 (J)
1/31/2019			0.00069 (J)					0.00036 (J)	
6/25/2019	<0.001			<0.001	<0.001				
6/26/2019		<0.001	<0.001			<0.001		<0.001	
6/27/2019							<0.001		<0.001
9/10/2019	<0.001						<0.001		
9/11/2019			<0.001	<0.001				0.0078 (o)	
9/12/2019		<0.001			<0.001	<0.001			<0.001
1/14/2020								0.00081 (J)	
3/11/2020							<0.001		
3/12/2020			<0.001	<0.001		<0.001			
3/13/2020					<0.001				
3/17/2020								0.00018 (J)	
3/18/2020	<0.001	<0.001							<0.001
9/9/2020						<0.001			
9/10/2020	<0.001	<0.001					<0.001		
9/11/2020								<0.001	
9/14/2020				<0.001					
9/15/2020			<0.001		<0.001				<0.001
3/15/2021	<0.001								
3/16/2021								0.00024 (J)	
3/17/2021				<0.001	<0.001				<0.001
3/18/2021		<0.001	<0.001			<0.001	<0.001		
8/19/2021	<0.001		<0.001	<0.001	<0.001				
8/23/2021		<0.001				<0.001	<0.001		
8/24/2021									<0.001
8/25/2021								<0.001	
3/2/2022							<0.001		
3/8/2022	<0.001			<0.001		<0.001			
3/9/2022		<0.001			<0.001				<0.001
3/10/2022			<0.001					<0.001	

Time Series

Constituent: Silver (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
8/31/2011				<0.001	<0.001			
9/7/2011						<0.001	<0.001	<0.001
9/16/2011	<0.001	<0.001	<0.001					
10/27/2011				<0.001				
10/30/2011	<0.001				<0.001	<0.001	<0.001	<0.001
10/31/2011		<0.001	<0.001					
12/4/2011								<0.001
12/5/2011				<0.001	<0.001	<0.001	<0.001	
12/12/2011	<0.001	<0.001	<0.001					
1/19/2012							<0.001	<0.001
1/25/2012				<0.001	<0.001	<0.001		
2/1/2012	<0.001	<0.001	<0.001					
7/16/2012		<0.001	<0.001					
7/17/2012	<0.001							
7/18/2012				<0.001		<0.001	<0.001	<0.001
7/24/2012					<0.001			
1/7/2013						<0.001	<0.001	
1/8/2013					<0.001			<0.001
1/9/2013				<0.001				
1/22/2013		<0.001	<0.001					
1/23/2013	<0.001							
7/2/2013			<0.001					
7/9/2013					<0.001	<0.001	<0.001	<0.001
7/17/2013	<0.001	<0.001		<0.001				
1/14/2014						<0.001	<0.001	<0.001
1/15/2014				<0.001	<0.001			
1/21/2014			<0.001					
1/23/2014	<0.001	<0.001						
6/24/2014						<0.001	<0.001	<0.001
6/25/2014		<0.001	<0.001	<0.001	<0.001			
1/13/2015				<0.001				
1/14/2015		<0.001	<0.001					
1/20/2015	<0.001				<0.001	<0.001	<0.001	<0.001
7/24/2015				<0.001	<0.001			
7/27/2015						<0.001	<0.001	<0.001
7/28/2015			<0.001					
7/29/2015	<0.001	<0.001						
1/20/2016				<0.001	0.00051 (J)			
1/21/2016		<0.001	<0.001					
1/25/2016	<0.001							
1/26/2016						<0.001	<0.001	<0.001
1/25/2017	<0.001	<0.001						
1/26/2017			<0.001	<0.001	<0.001	<0.001	<0.001	
1/31/2017								<0.001
8/3/2017		<0.001	<0.001	<0.001	<0.001			
8/4/2017	<0.001					<0.001		
8/7/2017							<0.001	<0.001
1/23/2018	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
1/24/2018							<0.001	<0.001
6/19/2018			<0.001					
6/20/2018		<0.001						
6/21/2018							<0.001	<0.001

Time Series

Constituent: Silver (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
6/25/2018				<0.001	<0.001	<0.001		
6/26/2018	<0.001							
1/21/2019			<0.001			<0.001		
1/22/2019							<0.001	<0.001
1/28/2019		<0.001						
1/30/2019	0.00035 (J)			0.00016 (J)	0.0032			
6/25/2019						<0.001	<0.001	<0.001
6/26/2019	<0.001	<0.001	<0.001	<0.001	<0.001			
9/10/2019						<0.001	<0.001	
9/11/2019		<0.001						
9/12/2019	<0.001		<0.001	<0.001	<0.001			
9/16/2019								<0.001
3/11/2020		<0.001	<0.001					
3/12/2020	<0.001					<0.001	<0.001	
3/16/2020				<0.001	<0.001			<0.001
9/9/2020				<0.001				
9/11/2020		<0.001	<0.001		<0.001			<0.001
9/14/2020						<0.001	<0.001	
9/16/2020	<0.001							
3/16/2021		<0.001	<0.001			<0.001	<0.001	<0.001
3/17/2021				<0.001	<0.001			
3/18/2021	<0.001							
8/18/2021			<0.001		<0.001			
8/19/2021				<0.001		<0.001		
8/20/2021							<0.001	
8/24/2021	<0.001	<0.001						
8/25/2021								<0.001
3/2/2022		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
3/9/2022	<0.001							<0.001

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
3/22/2016			1.1423	8.4662					
3/23/2016	<1	1.001				9.0208			
3/29/2016								<1	19.1889
3/30/2016							24.0688		
3/31/2016					202.982 (o)				
5/19/2016				10		10			
5/20/2016	<1								
5/23/2016			1.44						
5/24/2016		0.576 (J)							
5/25/2016					95.7		20.1	<1	19.8
7/21/2016	<1			13		10			
7/22/2016									20
7/25/2016			1.1					<1	
7/26/2016		0.91 (J)							
7/27/2016					110		28		
9/14/2016						9.7			
9/15/2016	<1		0.99 (J)						20
9/16/2016		0.87 (J)					29		
9/19/2016								<1	
11/9/2016			1.1						
11/10/2016		0.79 (J)				8.1			
11/11/2016	<1								
11/16/2016								<1	19
11/17/2016							40		
1/17/2017			0.85 (J)	7.6		15			
1/19/2017	<1	0.87 (J)							
1/31/2017								3.7 (o)	23
2/1/2017							40		
3/16/2017	<1		1.2			9.1			
3/17/2017		1.8							
3/23/2017								1.5	23
3/24/2017							28		
4/27/2017			<1	8		9.6			
4/28/2017	<1	1.7							
5/2/2017								<1	
5/3/2017							38		22
7/18/2017				6					
8/1/2017				7.7					
10/3/2017		1.9	1.4	7	150	9.8			
10/4/2017	<1						45	<1	22
1/19/2018	<1	1.8	1.1	5.7					
1/22/2018						10			
1/24/2018								<1	22
1/25/2018							33		
6/19/2018	<1	1	0.94 (J)	7		10			
6/20/2018					100			<1	
6/21/2018							21		
6/26/2018									23
9/25/2018	<1	0.78 (J)	1.3	9.1		9.7			
9/27/2018							28	<1	
9/28/2018									24
1/17/2019	0.5 (J)	2.5				9.4			

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
1/18/2019				6.4	34				
1/21/2019			1.6						
1/24/2019								0.77 (J)	
1/25/2019									25
1/31/2019							20		
6/24/2019	<1	0.91 (J)				10			
6/25/2019			2.2	26	<1				
6/26/2019							13	0.47 (J)	25
9/9/2019	<1								
9/10/2019		0.9 (J)	1.3	9.2		11			
9/11/2019					43				26
9/16/2019								<1	
9/17/2019							12		
3/10/2020	1.7	2.5	3	6	16	12			
3/16/2020								0.44 (J)	
3/17/2020							16		
3/18/2020									25
9/9/2020	<1		1.4	6.5	29	9.4			
9/10/2020		1					17	<1	26
3/15/2021	<1	1.5	0.95 (J)	6.8	36	7.7			
3/16/2021									29
3/17/2021								<1	
3/18/2021							11		
8/16/2021	<1		1.1						
8/18/2021		0.9 (J)		6.7	51	9.7			
8/19/2021									33
8/20/2021							10		
8/23/2021								<1	
2/28/2022	<1								
3/1/2022		2	1		64	9.6			
3/2/2022				6					
3/7/2022								<1	40
3/8/2022							13		

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
3/29/2016	2.8316								
3/30/2016		7.2023	1.7296	0.5433 (J)	0.8313 (J)	0.6239 (J)	2.3237	1.0356	0.3269 (J)
5/25/2016	2.62	10.5	1.52	0.4393 (J)	0.195 (J)				
5/26/2016						0.598 (J)	0.574 (J)	0.979 (J)	<1
7/25/2016						<1	<1	0.94 (J)	
7/26/2016	2.7	38	1.2						<1
7/27/2016				<1	0.7 (J)				
9/15/2016	2.6	13							
9/16/2016				<1					
9/19/2016					<1	<1	<1		
9/20/2016			0.85 (J)					0.83 (J)	<1
11/17/2016	2.2	18	0.83 (J)	<1	0.75 (J)	<1	<1	0.71 (J)	<1
1/31/2017	2.6								
2/1/2017		8.2	1.9	<1	<1	<1			
2/2/2017							8.6 (o)	0.82 (J)	<1
3/23/2017	2.6	10	1.6						
3/24/2017				<1	<1	<1	2.5		
3/28/2017								0.75 (J)	<1
5/3/2017	2.6	10	1.3	<1	<1	<1	0.88 (J)		
5/4/2017								1.1	<1
10/4/2017		22	1.4		<1				
10/5/2017	2.5			<1		<1	0.81 (J)		
10/6/2017								0.79 (J)	<1
1/25/2018	2.5	9.9	1.4	<1	<1	<1	0.77 (J)		
1/26/2018								<1	<1
6/20/2018	2.5	18	2.1	<1					<1
6/21/2018						<1	<1	1.3	
6/26/2018					<1				
9/27/2018							<1	1.2	<1
9/28/2018						<1			
10/1/2018		11	1.4	<1					
10/2/2018	2.7				<1				
1/22/2019	2.8	13	2						
1/24/2019					0.88 (J)				<1
1/25/2019				0.66 (J)					
1/28/2019						0.69 (J)	1.2	0.9 (J)	
6/25/2019	3	13	2	0.84 (J)	1.1			0.99 (J)	<1
6/26/2019							0.88 (J)		
6/27/2019						0.85 (J)			
9/11/2019				0.6 (J)	0.99 (J)	0.7 (J)		1.1	0.42 (J)
9/12/2019	2.2	22					0.39 (J)		
9/17/2019			1.4						
3/12/2020	4.5								
3/16/2020			2.3						
3/17/2020		12		0.84 (J)	1.2	1			
3/18/2020							1.1	0.72 (J)	<1
9/10/2020	2.3	17	1.2						
9/11/2020				0.4 (J)					
9/14/2020					0.92 (J)	0.7 (J)			
9/15/2020							0.53 (J)	0.83 (J)	<1
3/16/2021					<1	<1		<1	<1
3/17/2021	2.5	16		<1			<1		

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
3/18/2021			1.7						
8/19/2021									<1
8/20/2021				1	1.1				
8/23/2021	2	8.6							
8/24/2021			2			0.89 (J)	2.5	0.88 (J)	
3/7/2022		16	3.1					1.3	1.1
3/8/2022	3.3			1.1	1	1.1	0.94 (J)		

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
3/23/2016						1.3897	1.3729		12.8473
3/24/2016					0.4337 (J)				
3/28/2016				8.3151					
3/29/2016		0.5302 (J)							
3/30/2016			1.0189					15.0114	
3/31/2016	0.3648 (J)								
5/20/2016							1.31		
5/24/2016						0.598 (J)			13.5
5/25/2016		0.3659 (J)	0.6811 (J)		0.3421 (J)			19.1	
5/26/2016	0.562 (J)			4.31					
7/21/2016							1.3		
7/22/2016									12
7/26/2016	<1				<1	3			
7/27/2016		<1	<1	6.1					
9/16/2016			<1						12
9/19/2016				11	<1	1.6			
9/20/2016	<1	<1					1.3		
11/11/2016						3			
11/14/2016					<1		1.1		
11/15/2016				18					13
11/17/2016	<1								
11/18/2016		<1	<1						
1/19/2017					<1				
1/20/2017						2.2			
1/24/2017				26			1.3		
1/25/2017								13	
1/26/2017									9.2
2/3/2017	<1	<1	<1						
3/16/2017					<1	0.95 (J)			
3/17/2017							1.3		
3/23/2017				23					
3/24/2017									9.2
3/28/2017	<1	<1							
3/29/2017			<1						
4/28/2017						2.1			
5/1/2017					<1		1.2		
5/2/2017				27					9
5/3/2017	<1								
5/4/2017		<1	<1						
7/19/2017								15	
10/3/2017						<1			
10/4/2017					<1		1.2		
10/5/2017	<1	<1	<1	16					
10/6/2017								19	8.8
1/19/2018						1.4			
1/22/2018					<1				
1/23/2018								15	9.4
1/24/2018							1		
1/25/2018	<1	<1	<1	15					
6/20/2018	<1	<1							
6/21/2018							1		
6/26/2018									12

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
6/27/2018			<1	12	<1	1.7		14	
9/26/2018				12					
9/27/2018					<1	2.5			
9/28/2018			<1						
10/1/2018	<1	<1							
10/2/2018									9.7
10/3/2018							1.2	18	
1/24/2019	0.81 (J)			1.4	0.57 (J)	0.39 (J)			
1/25/2019		0.38 (J)							
1/30/2019							1.2		11
1/31/2019			<1					10	
6/25/2019	0.76 (J)			1.6	0.78 (J)				
6/26/2019		0.64 (J)	0.71 (J)			3.2		9.9	
6/27/2019							1.7		9.9
9/10/2019	<1						1.3		
9/11/2019			0.59 (J)	5.7					
9/12/2019		0.54 (J)			<1	0.82 (J)			9.7
3/11/2020							3.3		
3/12/2020			2.3	9.7		2			
3/13/2020					1.8				
3/17/2020								7.3	
3/18/2020	0.65 (J)	<1							8.8
9/9/2020						2.4			
9/10/2020	0.54 (J)	<1					1		
9/11/2020								15	
9/14/2020				3.8					
9/15/2020			0.53 (J)		0.45 (J)				9.9
3/15/2021	<1								
3/16/2021								11	
3/17/2021				7.2	<1				9.1
3/18/2021		<1	<1			2.3	1.1		
8/19/2021	1.2		0.77 (J)	7.2	0.82 (J)				
8/23/2021		<1				0.78 (J)	1.2		
8/24/2021									10
8/25/2021								12	
3/2/2022							1.4		
3/8/2022	<1			5.4		1.6			
3/9/2022		0.76 (J)			<1				7.6
3/10/2022			0.83 (J)					8.9	

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/23/2016	19.6956							
3/24/2016		1.8782	2.7482					
3/28/2016				19.9405	11.0351			
3/29/2016						22.385 (JO)	15.2958	14.6203
5/23/2016		1.44	2.76	21				
5/24/2016					12.8	85.8	18.5	14.7
7/21/2016		1.6	2.8	17	16			
7/22/2016						86		
7/25/2016								20
7/26/2016							19	
9/15/2016		1.6	2.4	16	15	84		
9/19/2016							31	22
11/15/2016		1.3	2.3	15				
11/16/2016					15	89	36	22
11/17/2016	22							
1/25/2017	50 (o)	1.5						
1/26/2017			2.7	13	16	85	49 (o)	
1/31/2017								44
3/22/2017		1.5	2.4	13	13	81		
3/23/2017	28						21	29
5/1/2017	25	1.4						
5/2/2017			2.5	25	10	76		18
5/3/2017							17	
7/19/2017	22							
8/4/2017	25							
8/24/2017	19							
10/3/2017		1.4	2.5	21	11	74		17
10/5/2017	18						16	
1/23/2018	14	1.2	2.4	26	10	57		
1/24/2018							10	14
6/19/2018			2.7					
6/20/2018		1.7						
6/21/2018							11	13
6/25/2018				30	11	62		
6/26/2018	9.2							
9/25/2018					14			
9/26/2018							20	17
10/1/2018			2.8					
10/2/2018	11	1.4				60		
10/3/2018				29				
1/21/2019			2.7			64		
1/22/2019							12	12
1/28/2019		1.6						
1/30/2019	14			31	9.7			
6/25/2019						59	14	11
6/26/2019	10	1.9	2.8	31	9.3			
9/10/2019						52	14	
9/11/2019		1.6						
9/12/2019	12		2.3	34	14			
9/16/2019								16
3/11/2020		3.8	4.7					
3/12/2020	11					52	18	

Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/16/2020				29	30			11
9/9/2020				27				
9/11/2020		1.2	2		12			16
9/14/2020						45	15	
9/16/2020	7							
3/16/2021		1.3	2.2			45	17	9.2
3/17/2021				26	12			
3/18/2021	9.1							
8/18/2021			2.7		13			
8/19/2021				29		45		
8/20/2021							17	
8/24/2021	8.1	1.4						
8/25/2021								14
3/2/2022		1.6	3.2	28	13	41	14	
3/9/2022	7.4							6.6

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
8/31/2011					<0.001	<0.001			
9/13/2011								<0.001	<0.001
9/16/2011	<0.001		<0.001						
9/17/2011		<0.001		<0.001					
10/27/2011	<0.001	<0.001				<0.001			
10/28/2011			<0.001	<0.001				<0.001	<0.001
12/4/2011								<0.001	<0.001
12/12/2011			<0.001	<0.001					
12/13/2011	<0.001								
12/14/2011		<0.001				<0.001			
1/24/2012									<0.001
1/25/2012			<0.001						
1/31/2012	<0.001			<0.001					
2/1/2012						<0.001			
2/7/2012		<0.001							
2/9/2012								<0.001	
7/11/2012									<0.001
7/16/2012			<0.001						
7/17/2012				<0.001					
7/18/2012	<0.001							<0.001	
7/23/2012		<0.001				<0.001			
1/8/2013								<0.001	<0.001
1/23/2013		<0.001				<0.001			
1/24/2013	<0.001		<0.001	<0.001					
7/9/2013								<0.001	
7/10/2013									<0.001
7/17/2013	<0.001					<0.001			
7/23/2013			<0.001						
7/24/2013		<0.001		<0.001					
1/15/2014						<0.001		<0.001	
1/21/2014	<0.001								<0.001
1/22/2014		<0.001	<0.001	<0.001					
6/25/2014	<0.001				<0.001	<0.001		<0.001	
7/1/2014		<0.001	<0.001						<0.001
7/8/2014				<0.001					
1/14/2015	<0.001					0.0001 (J)			
7/21/2015	<0.001		<0.001		<0.001	0.0001 (J)			
7/22/2015		<0.001		<0.001					
1/19/2016				<0.001 (D)					
1/20/2016		<0.001				<0.001			
1/21/2016	<0.001								
1/22/2016			<0.001						
1/25/2016							<0.001		
1/26/2016								<0.001	<0.001
3/22/2016			<0.001	<0.001					
3/23/2016	<0.001	<0.001				<0.001			
3/29/2016								<0.001	<0.001
3/30/2016							<0.001		
3/31/2016					<0.001				
5/19/2016				<0.001		<0.001			
5/20/2016	<0.001								
5/23/2016			<0.001						

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
5/24/2016		<0.001							
5/25/2016					<0.001		<0.001	<0.001	<0.001
7/21/2016	<0.001			<0.001		<0.001			
7/22/2016									<0.001
7/25/2016			<0.001					<0.001	
7/26/2016		<0.001							
7/27/2016					<0.001		<0.001		
9/14/2016						<0.001			
9/15/2016	<0.001		<0.001						<0.001
9/16/2016		<0.001					<0.001		
9/19/2016								<0.001	
11/9/2016			<0.001						
11/10/2016		<0.001				<0.001			
11/11/2016	<0.001								
11/16/2016								<0.001	<0.001
11/17/2016							<0.001		
1/17/2017			<0.001	<0.001		<0.001			
1/19/2017	<0.001	<0.001							
1/31/2017								<0.001	<0.001
2/1/2017							<0.001		
3/16/2017	<0.001		<0.001			<0.001			
3/17/2017		<0.001							
3/23/2017								<0.001	<0.001
3/24/2017							<0.001		
4/27/2017			<0.001	<0.001		<0.001			
4/28/2017	<0.001	<0.001							
5/2/2017								<0.001	
5/3/2017							<0.001		<0.001
7/18/2017				<0.001					
8/1/2017			<0.001	<0.001	<0.001				
8/2/2017		<0.001				<0.001			
8/3/2017	<0.001								
8/7/2017								<0.001	<0.001
8/8/2017							<0.001		
10/3/2017					<0.001				
1/19/2018	<0.001	<0.001	<0.001	<0.001					
1/22/2018						<0.001			
1/24/2018								<0.001	<0.001
1/25/2018							<0.001		
6/19/2018	<0.001	<0.001	<0.001	<0.001		<0.001			
6/20/2018					<0.001			<0.001	
6/21/2018							<0.001		
6/26/2018									<0.001
1/17/2019	6.6E-05 (J)	<0.001				<0.001			
1/18/2019				<0.001	<0.001				
1/21/2019			<0.001						
1/24/2019								<0.001	
1/25/2019									<0.001
1/31/2019							<0.001		
6/24/2019	0.0002 (J)	<0.001				<0.001			
6/25/2019			<0.001	<0.001	<0.001				
6/26/2019							<0.001	<0.001	<0.001

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
9/9/2019	0.00015 (J)								
9/10/2019		<0.001	<0.001	<0.001		<0.001			
9/11/2019					<0.001				<0.001
9/16/2019								<0.001	
9/17/2019							<0.001		
3/10/2020	0.00029 (J)	0.00018 (J)	<0.001	<0.001	<0.001	<0.001			
3/16/2020								0.00067 (J)	
3/17/2020							<0.001		
3/18/2020									0.00037 (J)
9/9/2020	<0.001		<0.001	<0.001	<0.001	<0.001			
9/10/2020		<0.001					<0.001	<0.001	<0.001
3/15/2021	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
3/16/2021									<0.001
3/17/2021								<0.001	
3/18/2021							<0.001		
8/16/2021	<0.001		<0.001						
8/18/2021		<0.001		<0.001	<0.001	<0.001			
8/19/2021									0.00032 (J)
8/20/2021							<0.001		
8/23/2021								<0.001	
2/28/2022	<0.001								
3/1/2022		<0.001	<0.001		<0.001	<0.001			
3/2/2022				<0.001					
3/7/2022								<0.001	<0.001
3/8/2022							<0.001		

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
8/30/2011				<0.001	<0.001	<0.001	<0.001		
8/31/2011								<0.001	<0.001
9/13/2011	<0.001	<0.001							
9/16/2011			<0.001						
10/26/2011				<0.001		<0.001	<0.001		
10/27/2011		<0.001	<0.001		<0.001			<0.001	<0.001
10/28/2011	<0.001								
12/3/2011		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
12/4/2011	<0.001							<0.001	<0.001
1/24/2012	<0.001	<0.001							
1/25/2012				<0.001	<0.001				
2/8/2012			<0.001			<0.001	<0.001	<0.001	<0.001
7/11/2012	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
7/17/2012									<0.001
1/8/2013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
1/9/2013									<0.001
7/2/2013			<0.001	<0.001					
7/10/2013	<0.001	<0.001							
7/16/2013					<0.001	<0.001	<0.001	<0.001	<0.001
1/14/2014				<0.001	<0.001	<0.001			
1/21/2014	<0.001	0.0002 (J)	<0.001				0.0001 (J)	<0.001	<0.001
6/24/2014			<0.001			<0.001	<0.001	<0.001	<0.001
6/25/2014				<0.001	<0.001				
7/1/2014	<0.001	0.0001							
1/13/2015				<0.001		<0.001	<0.001	<0.001	<0.001
1/14/2015		0.0002 (J)	<0.001		<0.001				
7/22/2015		0.003 (JO)	<0.001	<0.001					
7/23/2015						<0.001	<0.001	<0.001	<0.001
1/26/2016									<0.001
1/27/2016	<0.001	0.000616 (J)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
3/29/2016	<0.001								
3/30/2016		0.000411 (J)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
5/25/2016	<0.001	0.000445 (J)	<0.001	<0.001	<0.001				
5/26/2016						<0.001	<0.001	<0.001	<0.001
7/25/2016						<0.001	<0.001	<0.001	
7/26/2016	<0.001	0.0013	<0.001						<0.001
7/27/2016				<0.001	<0.001				
9/15/2016	<0.001	0.00033 (J)							
9/16/2016				<0.001					
9/19/2016					<0.001	<0.001	<0.001		
9/20/2016			<0.001					<0.001	<0.001
11/17/2016	<0.001	0.00041 (J)	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
1/31/2017	<0.001								
2/1/2017		0.00041 (J)	<0.001	<0.001	<0.001	<0.001			
2/2/2017							<0.001	<0.001	<0.001
3/23/2017	<0.001	0.0004 (J)	<0.001						
3/24/2017				<0.001	<0.001	<0.001	<0.001		
3/28/2017								<0.001	<0.001
5/3/2017	<0.001	0.00058	<0.001	<0.001	<0.001	<0.001	<0.001		
5/4/2017								<0.001	<0.001
8/4/2017	<0.001		<0.001						
8/7/2017		0.00046 (J)		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
1/25/2018	<0.001	0.00049 (J)	<0.001	<0.001	<0.001	<0.001	<0.001		
1/26/2018								<0.001	<0.001
6/20/2018	<0.001	0.00038 (J)	<0.001	<0.001					<0.001
6/21/2018						<0.001	<0.001	<0.001	
6/26/2018					<0.001				
1/22/2019	<0.001	0.00047 (J)	<0.001						
1/24/2019					<0.001				<0.001
1/25/2019				<0.001					
1/28/2019						<0.001	<0.001	<0.001	
6/25/2019	<0.001	0.00046 (J)	<0.001	<0.001	<0.001			<0.001	<0.001
6/26/2019							<0.001		
6/27/2019						<0.001			
9/11/2019				<0.001	<0.001	<0.001		<0.001	0.00026 (J)
9/12/2019	<0.001	0.00047 (J)					<0.001		
9/17/2019			<0.001						
3/12/2020	<0.001								
3/16/2020			0.00025 (J)						
3/17/2020		0.00055 (J)		<0.001	<0.001	<0.001			
3/18/2020							<0.001	<0.001	<0.001
9/10/2020	0.00022 (J)	0.00053 (J)	0.00034 (J)						
9/11/2020				<0.001					
9/14/2020					<0.001	<0.001			
9/15/2020							<0.001	<0.001	<0.001
3/16/2021					<0.001	<0.001		0.00035 (J)	0.00034 (J)
3/17/2021	<0.001	0.00043 (J)		<0.001			0.00033 (J)		
3/18/2021			<0.001						
8/19/2021									0.00052 (J)
8/20/2021				<0.001	<0.001				
8/23/2021	<0.001	0.00055 (J)							
8/24/2021			<0.001			<0.001	<0.001	<0.001	
3/7/2022		<0.001	<0.001					<0.001	<0.001
3/8/2022	<0.001			<0.001	<0.001	<0.001	<0.001		

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
9/15/2011	<0.001						<0.001		<0.001
9/16/2011		<0.001							
9/17/2011				<0.001	<0.001	<0.001		<0.001	
10/28/2011							<0.001		
10/29/2011	<0.001	<0.001			<0.001	<0.001			
10/31/2011				<0.001				<0.001	<0.001
12/13/2011	<0.001	<0.001					<0.001		<0.001
12/14/2011				<0.001	<0.001	<0.001			
1/25/2012	<0.001					<0.001			
1/31/2012		<0.001							
2/1/2012									<0.001
2/7/2012				<0.001	<0.001			<0.001	
2/8/2012							<0.001		
7/17/2012				<0.001	<0.001	<0.001			<0.001
7/18/2012	<0.001	<0.001					<0.001		
1/22/2013	<0.001	<0.001							
1/23/2013								<0.001	<0.001
1/24/2013					<0.001	<0.001	<0.001		
7/16/2013	<0.001								
7/23/2013		<0.001							
7/24/2013				<0.001	<0.001	<0.001	<0.001		<0.001
1/21/2014	<0.001								
1/22/2014		<0.001							
1/23/2014				<0.001	<0.001	0.0001 (J)	<0.001	<0.001	<0.001
6/25/2014	<0.001								
7/1/2014		<0.001					<0.001	<0.001	<0.001
7/8/2014			<0.001	<0.001	<0.001	0.0001			
1/14/2015	<0.001								
7/23/2015	<0.001								
1/19/2016							<0.001		
1/20/2016			<0.001						
1/21/2016		<0.001		<0.001					
1/22/2016						0.000193 (J)			
1/25/2016					<0.001			<0.001	<0.001
1/26/2016	<0.001								
3/23/2016						<0.001	<0.001		<0.001
3/24/2016					<0.001				
3/28/2016				<0.001					
3/29/2016		<0.001							
3/30/2016			<0.001					<0.001	
3/31/2016	<0.001								
5/20/2016							<0.001		
5/24/2016						<0.001			<0.001
5/25/2016		<0.001	<0.001	<0.001	<0.001			<0.001	
5/26/2016	<0.001								
7/21/2016							<0.001		
7/22/2016									<0.001
7/26/2016	<0.001				<0.001	0.00017 (J)			
7/27/2016		<0.001	<0.001	<0.001				<0.001	
9/16/2016			<0.001						<0.001
9/19/2016				<0.001	<0.001	0.00016 (J)			
9/20/2016	<0.001	<0.001					<0.001		

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
11/11/2016						<0.001			
11/14/2016					<0.001		<0.001		
11/15/2016				<0.001					<0.001
11/17/2016	<0.001								
11/18/2016		<0.001	<0.001						
1/19/2017					<0.001				
1/20/2017						0.00016 (J)			
1/24/2017				<0.001			<0.001		
1/25/2017								<0.001	
1/26/2017									<0.001
2/3/2017	<0.001	<0.001	<0.001						
3/16/2017					<0.001	0.00017 (J)			
3/17/2017							<0.001		
3/23/2017				<0.001				<0.001	
3/24/2017									<0.001
3/28/2017	<0.001	<0.001							
3/29/2017			<0.001						
4/28/2017						0.00018 (J)			
5/1/2017					<0.001		<0.001		
5/2/2017				<0.001				<0.001	<0.001
5/3/2017	<0.001								
5/4/2017		<0.001	<0.001						
7/19/2017								<0.001	
8/3/2017				<0.001	<0.001	0.00016 (J)			<0.001
8/4/2017							<0.001	<0.001	
8/8/2017	<0.001	<0.001	<0.001						
1/19/2018						0.00016 (J)			
1/22/2018					<0.001				
1/23/2018								<0.001	<0.001
1/24/2018							<0.001		
1/25/2018	<0.001	<0.001	<0.001	<0.001					
6/20/2018	<0.001	<0.001							
6/21/2018							<0.001		
6/26/2018									<0.001
6/27/2018			<0.001	<0.001	<0.001	0.00015 (J)		<0.001	
1/24/2019	<0.001			<0.001	<0.001	0.0002 (J)			
1/25/2019		<0.001							
1/30/2019							<0.001		<0.001
1/31/2019			<0.001					<0.001	
6/25/2019	<0.001			<0.001	<0.001				
6/26/2019		<0.001	<0.001			0.00019 (J)		<0.001	
6/27/2019							<0.001		<0.001
9/10/2019	<0.001						<0.001		
9/11/2019			0.00023 (J)	0.00028 (J)				<0.001	
9/12/2019		<0.001			<0.001	0.00021 (J)			<0.001
3/11/2020							<0.001		
3/12/2020			<0.001	<0.001		0.0002 (J)			
3/13/2020					<0.001				
3/17/2020								0.00017 (J)	
3/18/2020	0.00066 (J)	0.00024 (J)							<0.001
9/9/2020						0.00017 (J)			
9/10/2020	<0.001	<0.001					0.00021 (J)		

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
9/11/2020								<0.001	
9/14/2020				<0.001					
9/15/2020			<0.001		<0.001				<0.001
3/15/2021	0.00052 (J)								
3/16/2021								<0.001	
3/17/2021				0.00015 (J)	<0.001				<0.001
3/18/2021		0.00051 (J)	0.00025 (J)			0.00021 (J)	<0.001		
8/19/2021	0.00025 (J)		<0.001	<0.001	<0.001				
8/23/2021		<0.001				0.00018 (J)	<0.001		
8/24/2021									<0.001
8/25/2021								<0.001	
3/2/2022							<0.001		
3/8/2022	<0.001			<0.001		<0.001			
3/9/2022		<0.001			<0.001				<0.001
3/10/2022			<0.001					<0.001	

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
8/31/2011				<0.001	<0.001			
9/7/2011						<0.001	<0.001	<0.001
9/16/2011	<0.001	<0.001	<0.001					
10/27/2011				<0.001				
10/30/2011	<0.001				<0.001	<0.001	<0.001	<0.001
10/31/2011		<0.001	<0.001					
12/4/2011								<0.001
12/5/2011				<0.001	<0.001	<0.001	<0.001	
12/12/2011	<0.001	<0.001	<0.001					
1/19/2012							<0.001	<0.001
1/25/2012				<0.001	<0.001	<0.001		
2/1/2012	<0.001	<0.001	<0.001					
7/16/2012		<0.001	<0.001					
7/17/2012	<0.001							
7/18/2012				<0.001		<0.001	<0.001	<0.001
7/23/2012					<0.001			
7/24/2012					<0.001			
1/7/2013						<0.001	<0.001	
1/8/2013					<0.001			<0.001
1/9/2013				<0.001				
1/22/2013		<0.001	<0.001					
1/23/2013	<0.001							
7/2/2013			<0.001					
7/9/2013					<0.001	<0.001	<0.001	<0.001
7/17/2013	<0.001	<0.001		<0.001				
1/14/2014						<0.001	<0.001	<0.001
1/15/2014				<0.001	<0.001			
1/21/2014			<0.001					
1/23/2014	0.0002 (J)	<0.001						
6/24/2014						<0.001	<0.001	<0.001
6/25/2014		<0.001	0.0001	<0.001	<0.001			
1/13/2015				<0.001				
1/14/2015		<0.001	<0.001					
7/24/2015				<0.001	7E-05 (J)			
1/20/2016				<0.001	6.7E-05 (J)			
1/21/2016		<0.001	<0.001					
1/25/2016	0.000227 (J)							
1/26/2016						8.5E-05 (J)	<0.001	7.3E-05 (J)
3/23/2016	<0.001							
3/24/2016		<0.001	<0.001					
3/28/2016				<0.001	<0.001			
3/29/2016						<0.001	<0.001	<0.001
5/23/2016		<0.001	<0.001	<0.001				
5/24/2016	0.000242 (J)				<0.001	<0.001	<0.001	<0.001
7/21/2016		<0.001	<0.001	<0.001	<0.001			
7/22/2016	0.00022 (J)					<0.001		
7/25/2016								<0.001
7/26/2016							<0.001	
9/15/2016		<0.001	<0.001	<0.001	<0.001	<0.001		
9/16/2016	0.00021 (J)							
9/19/2016							<0.001	0.00026 (J)
11/15/2016		<0.001	<0.001	<0.001				

Time Series

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
11/16/2016					0.00012 (J)	<0.001	9E-05 (J)	0.00015 (J)
11/17/2016	0.00017 (J)							
1/25/2017	<0.001	<0.001						
1/26/2017			<0.001	<0.001	<0.001	<0.001	0.00012 (J)	
1/31/2017								<0.001
3/22/2017		<0.001	<0.001	<0.001	<0.001	<0.001		
3/23/2017	0.00017 (J)						<0.001	<0.001
5/1/2017	0.00018 (J)	<0.001						
5/2/2017			<0.001	<0.001	<0.001	<0.001		<0.001
5/3/2017							0.00016 (J)	
8/3/2017		<0.001	<0.001	<0.001	<0.001			
8/4/2017	0.00016 (J)					<0.001		
8/7/2017							0.0001 (J)	<0.001
1/23/2018	0.00012 (J)	<0.001	<0.001	<0.001	<0.001	<0.001		
1/24/2018							<0.001	<0.001
6/19/2018			<0.001					
6/20/2018		<0.001						
6/21/2018							<0.001	<0.001
6/25/2018				<0.001	0.00011 (J)	<0.001		
6/26/2018	0.00013 (J)							
1/21/2019			<0.001			<0.001		
1/22/2019							<0.001	<0.001
1/28/2019		<0.001						
1/30/2019	<0.001			<0.001	<0.001			
6/25/2019						<0.001	<0.001	<0.001
6/26/2019	0.0002 (J)	0.00014 (J)	0.00019 (J)	<0.001	<0.001			
9/10/2019						<0.001	<0.001	
9/11/2019		<0.001						
9/12/2019	<0.001		<0.001	<0.001	0.00017 (J)			
9/16/2019								<0.001
3/11/2020		<0.001	<0.001					
3/12/2020	0.00035 (J)					<0.001	0.00064 (J)	
3/16/2020				<0.001	0.00015 (J)			0.00044 (J)
9/9/2020				<0.001				
9/11/2020		<0.001	0.0004 (J)		0.00025 (J)			0.00017 (J)
9/14/2020						<0.001	<0.001	
9/16/2020	<0.001							
3/16/2021		<0.001	<0.001			<0.001	<0.001	0.00017 (J)
3/17/2021				<0.001	<0.001			
3/18/2021	<0.001							
8/18/2021			<0.001		<0.001			
8/19/2021				<0.001		<0.001		
8/20/2021							0.00028 (J)	
8/24/2021	0.00032 (J)	<0.001						
8/25/2021								<0.001
3/2/2022		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
3/9/2022	<0.001							<0.001

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
3/22/2016			69	92					
3/23/2016	<10	41				139			
3/29/2016								163	151
3/30/2016							177		
3/31/2016					401				
5/19/2016				99		175			
5/20/2016	<10								
5/23/2016			92						
5/24/2016		51							
5/25/2016					150		181	197	175
7/21/2016	14			100		170			
7/22/2016									130
7/25/2016			38					220	
7/26/2016		8							
7/27/2016					250		210		
9/14/2016						150			
9/15/2016	12		64						160
9/16/2016		40					190		
9/19/2016								240	
11/9/2016			80						
11/10/2016		58				180			
11/11/2016	4 (J)								
11/16/2016								200	230
11/17/2016							240		
1/17/2017			54	66		130			
1/19/2017	<10	28							
1/31/2017								110	170
2/1/2017							120		
3/16/2017	14		40			180			
3/17/2017		<10							
3/23/2017								140	220
3/24/2017							180		
4/27/2017			84	92		160			
4/28/2017	<10	<10							
5/2/2017								180	
5/3/2017							170		150
7/18/2017				84 (J)					
8/1/2017				60 (J)					
10/3/2017		36	70	46	410	140			
10/4/2017	34						230	210	190
1/19/2018	<10	10	36	4 (J)					
1/22/2018						140			
1/24/2018								130	210
1/25/2018							190		
6/19/2018	16	<10	70	66		160			
6/20/2018					230			140	
6/21/2018							32		
6/26/2018									200
9/25/2018	24	32	36	80		130			
9/27/2018							200	130	
9/28/2018									180
1/17/2019	20	46				160			

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
1/18/2019				81	140				
1/21/2019			58						
1/24/2019								<10	
1/25/2019									170
1/31/2019							150		
6/24/2019	21	72				170			
6/25/2019			88	97	130				
6/26/2019							46	87	140
9/9/2019	16								
9/10/2019		52	86	120		190			
9/11/2019					130				220
9/16/2019								190	
9/17/2019							120		
3/10/2020	12	43	40	50	170	190			
3/16/2020								46	
3/17/2020							140		
3/18/2020									200
9/9/2020	12		43	58	150	170			
9/10/2020		40					170	160	220
3/15/2021	<10	39	54	77	170	120			
3/16/2021									250
3/17/2021								170	
3/18/2021							130		
8/16/2021	15		50						
8/18/2021		50		76	170	150			
8/19/2021									240
8/20/2021							140		
8/23/2021								190	
2/28/2022	25								
3/1/2022		26	72		180	140			
3/2/2022				85					
3/7/2022								130	220
3/8/2022							130		

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
3/29/2016	48								
3/30/2016		165	94	75	97	84	69	88	42
5/25/2016	61	233	90	91	97				
5/26/2016						80	75	65	42
7/25/2016						54	44	80	
7/26/2016	40	330	64						48
7/27/2016				76	110				
9/15/2016	54	350							
9/16/2016				78					
9/19/2016					110	96	74		
9/20/2016			72					84	56
11/17/2016	64	440	46	110	74	42	34	84	34
1/31/2017	36								
2/1/2017		150	70	70	100	66			
2/2/2017							96	100	36
3/23/2017	76	250	100						
3/24/2017				100	110	88	82		
3/28/2017								82	48
5/3/2017	32	190	84	18	28	64	42		
5/4/2017								88	22
10/4/2017		520	60		84				
10/5/2017	42			10		50	50		
10/6/2017								120	70
1/25/2018	48	160	86	56	72	70	60		
1/26/2018								96	52
6/20/2018	12	310	64	84					36
6/21/2018						84	76	78	
6/26/2018					72				
9/27/2018							62	110	56
9/28/2018						74			
10/1/2018		250	94	86					
10/2/2018	72				120				
1/22/2019	42	200	79						
1/24/2019					82				42
1/25/2019				51					
1/28/2019						77	69	95	
6/25/2019	56	280	99	91	110			100	63
6/26/2019							<10		
6/27/2019						77			
9/11/2019				85	92	64		74	16
9/12/2019	73	470					87		
9/17/2019			75						
3/12/2020	56								
3/16/2020			100						
3/17/2020		370		93	84	90			
3/18/2020							64	78	49
9/10/2020	44	390	79						
9/11/2020				83					
9/14/2020					91	96			
9/15/2020							51	82	54
3/16/2021					99	93		100	65
3/17/2021	42	430		91			67		

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
3/18/2021			86						
8/19/2021									84
8/20/2021				83	98				
8/23/2021	56	290							
8/24/2021			80			99	85	96	
3/7/2022		320	80					72	43
3/8/2022	38			70	87	72	61		

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
3/23/2016						46	51		75
3/24/2016					48				
3/28/2016				90					
3/29/2016		53							
3/30/2016			39					128	
3/31/2016	102								
5/20/2016							58		
5/24/2016						34			83
5/25/2016		33	30		42			118	
5/26/2016	108			75					
7/21/2016							42		
7/22/2016									76
7/26/2016	82				20	16			
7/27/2016		30	28	78					
9/16/2016			22						84
9/19/2016				100	48	52			
9/20/2016	100	42					52		
11/11/2016						56			
11/14/2016					40		38		
11/15/2016				110					94
11/17/2016	110								
11/18/2016		4 (J)	28						
1/19/2017					10				
1/20/2017						38			
1/24/2017				96			36		
1/25/2017								120	
1/26/2017									68
2/3/2017	110	20	26						
3/16/2017					<10	32			
3/17/2017							48		
3/23/2017				96					
3/24/2017									110
3/28/2017	98	38							
3/29/2017			28						
4/28/2017						46			
5/1/2017					10		10		
5/2/2017				100					76
5/3/2017	98								
5/4/2017		54	30						
7/19/2017								100	
10/3/2017						12			
10/4/2017					60		74		
10/5/2017	<10	26	12	86					
10/6/2017								120	130
1/19/2018						<10			
1/22/2018					40				
1/23/2018								70	110
1/24/2018							10		
1/25/2018	98	32	20	100					
6/20/2018	94	54							
6/21/2018							28		
6/26/2018									66

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
6/27/2018			24	60	8	54		92	
9/26/2018				60					
9/27/2018					86	58			
9/28/2018			16						
10/1/2018	100	140							
10/2/2018									100
10/3/2018							42	86	
1/24/2019	100			54	34	<10			
1/25/2019		<10							
1/30/2019							53		91
1/31/2019			30					160	
6/25/2019	110			58	49				
6/26/2019		44	<10			<10		110	
6/27/2019							30		47
9/10/2019	120						46		
9/11/2019			<10	53					
9/12/2019		58			61	50			100
3/11/2020							44		
3/12/2020			23	76		26			
3/13/2020					32				
3/17/2020								86	
3/18/2020	93	29							120
9/9/2020						52			
9/10/2020	100	40					40		
9/11/2020								110	
9/14/2020				44					
9/15/2020			21		43				92
3/15/2021	89								
3/16/2021								96	
3/17/2021				56	35				79
3/18/2021		29	20			34	49		
8/19/2021	120		30	81	50				
8/23/2021		47				30	54		
8/24/2021									94
8/25/2021								110	
3/2/2022							41		
3/8/2022	89			59 (D)		25			
3/9/2022		40			28				74
3/10/2022			15					87	

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/23/2016	80							
3/24/2016		55	33					
3/28/2016				172	92			
3/29/2016						517	172	93
5/23/2016		61	48	189				
5/24/2016					115	494	196	162
7/21/2016		32	36	170	120			
7/22/2016						430		
7/25/2016								200
7/26/2016							160	
9/15/2016		62	38	180	130	460		
9/19/2016							220	340
11/15/2016		56	44	180				
11/16/2016					150	500	240	280
11/17/2016	140							
1/25/2017	160	<10						
1/26/2017			<10	120	74	440	130	
1/31/2017								160
3/22/2017		58	34	110	120	440		
3/23/2017	120						190	230
5/1/2017	72	22						
5/2/2017			4 (J)	140	82	420		150
5/3/2017							160	
7/19/2017	120							
8/4/2017	90							
8/24/2017	82							
10/3/2017		16	26	170	100	450		190
10/5/2017	74						200	
1/23/2018	100	64	56	210	120	390		
1/24/2018							94	160
6/19/2018			28					
6/20/2018		<10						
6/21/2018							210	150
6/25/2018				200	110	400		
6/26/2018	100							
9/25/2018					120			
9/26/2018							180	130
10/1/2018			40					
10/2/2018	120	98				440		
10/3/2018				230				
1/21/2019			17			340		
1/22/2019							86	68
1/28/2019		33						
1/30/2019	100			220	120			
6/25/2019						400	200	160
6/26/2019	100	61	46	120	41			
9/10/2019						380	220	
9/11/2019		20						
9/12/2019	110		51	230	170			
9/16/2019								190
3/11/2020		36	42					
3/12/2020	120					360	140	

Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
3/16/2020				210	110			100
9/9/2020				210				
9/11/2020		36	32		160			160
9/14/2020						380	190	
9/16/2020	94							
3/16/2021		46	42			390	170	100
3/17/2021				180	110			
3/18/2021	93							
8/18/2021			50		140			
8/19/2021				220		380		
8/20/2021							170	
8/24/2021	100	44						
8/25/2021								130
3/2/2022		42	28	180	130	370	150	
3/9/2022	97							82

Time Series

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
8/31/2011					<0.001	<0.001			
9/13/2011								0.0064	<0.001
9/16/2011	<0.001		<0.001						
9/17/2011		<0.001		<0.001					
10/27/2011	<0.001	<0.001				<0.001			
10/28/2011			<0.001	<0.001				<0.001	<0.001
12/4/2011								<0.001	<0.001
12/12/2011			<0.001	<0.001					
12/13/2011	<0.001								
12/14/2011		<0.001				<0.001			
1/24/2012									<0.001
1/25/2012			<0.001						
1/31/2012	<0.001			<0.001					
2/1/2012						<0.001			
2/7/2012		<0.001							
2/9/2012								<0.001	
7/11/2012									<0.001
7/16/2012			<0.001						
7/17/2012				<0.001					
7/18/2012	<0.001							0.0062	
7/23/2012		<0.001				<0.001			
1/8/2013								<0.001	<0.001
1/23/2013		<0.001				<0.001			
1/24/2013	<0.001		<0.001	<0.001					
7/9/2013								0.0053	
7/10/2013									<0.001
7/17/2013	<0.001					<0.001			
7/23/2013			<0.001						
7/24/2013		<0.001		<0.001					
1/15/2014						0.0016 (J)		0.0064	
1/21/2014	<0.001								<0.001
1/22/2014		<0.001	0.00072 (J)	<0.001					
6/25/2014	<0.001				<0.001	0.00084 (J)		0.0064	
7/1/2014		0.0012 (J)	<0.001						<0.001
7/8/2014				<0.001 (D)					
1/14/2015	<0.001					0.0014 (J)			
1/21/2015			<0.001	<0.001				0.0059	<0.001
1/22/2015		0.0013 (J)							
7/21/2015	<0.001		<0.001		<0.001	<0.001			
7/22/2015		<0.001		<0.001					
7/28/2015								0.0054	<0.001
1/19/2016				<0.001 (D)					
1/20/2016		<0.001				<0.001			
1/21/2016	<0.001								
1/22/2016			<0.001						
1/25/2016							<0.001		
1/26/2016								0.0019 (J)	<0.001
1/17/2017			<0.001	<0.001		<0.001			
1/19/2017	<0.001	<0.001							
1/31/2017								0.0029	<0.001
2/1/2017							0.0032		
8/1/2017			<0.001	<0.001 (*)	<0.001				

Time Series

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
8/2/2017		<0.001				<0.001			
8/3/2017	<0.001								
8/7/2017								0.0024 (J)	<0.001
8/8/2017							<0.001		
1/19/2018	<0.001	<0.001	<0.001	<0.001					
1/22/2018						0.002 (J)			
1/24/2018								<0.001	<0.001
1/25/2018							0.003		
6/19/2018	<0.001	0.0024 (J)	<0.001	0.0014 (J)		0.0019 (J)			
6/20/2018					<0.001			0.003	
6/21/2018							0.0018 (J)		
6/26/2018									<0.001
1/17/2019	0.0012	0.0016				0.0016			
1/18/2019				0.0015	0.0019				
1/21/2019			0.0012						
1/24/2019								0.0032	
1/25/2019									<0.001
1/31/2019							0.0015		
6/24/2019	0.0028	0.0018				0.002			
6/25/2019			0.0025	0.0023	0.0028				
6/26/2019							0.0014	0.0035	0.0013
9/9/2019	<0.001								
9/10/2019		0.0011	0.0012	<0.001		<0.001			
9/11/2019					0.0014				0.0011
9/16/2019								0.0035	
9/17/2019							<0.001		
3/10/2020	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
3/16/2020								0.0027	
3/17/2020							<0.001		
3/18/2020									<0.001
9/9/2020	<0.001		<0.001	<0.001	0.0018	<0.001			
9/10/2020		<0.001					<0.001	0.0028	<0.001
3/15/2021	<0.001	<0.001	<0.001	0.0017	<0.001	<0.001			
3/16/2021									<0.001
3/17/2021								0.0029	
3/18/2021							<0.001		
8/16/2021	<0.001		0.0011						
8/18/2021		0.0011		0.0012	0.0015	0.0011			
8/19/2021									<0.001
8/20/2021							<0.001		
8/23/2021								0.0025	
2/28/2022	<0.001								
3/1/2022		<0.001	<0.001		0.0012	<0.001			
3/2/2022				<0.001					
3/7/2022								0.0025	<0.001
3/8/2022							<0.001		

Time Series

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
8/30/2011				0.0028	<0.001	<0.001	<0.001		
8/31/2011								0.0035	<0.001
9/13/2011	<0.001	<0.001							
9/16/2011			<0.001						
10/26/2011				<0.001		<0.001	<0.001		
10/27/2011		<0.001	<0.001		<0.001			<0.001	<0.001
10/28/2011	<0.001								
12/3/2011		<0.001	<0.001	<0.001	<0.001	<0.001	<0.001		
12/4/2011	<0.001							<0.001	<0.001
1/24/2012	<0.001	<0.001							
1/25/2012				<0.001	<0.001				
2/8/2012			<0.001			<0.001	<0.001	<0.001	<0.001
7/11/2012	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
7/17/2012									<0.001
1/8/2013	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001	
1/9/2013									<0.001
7/2/2013			<0.001	<0.001					
7/10/2013	<0.001	<0.001							
7/16/2013					<0.001	<0.001	<0.001	<0.001	<0.001
1/14/2014				0.0036 (J)	0.0019 (J)	0.0022 (J)			
1/21/2014	<0.001	<0.001	<0.001				<0.001	<0.001	<0.001
6/24/2014			<0.001			<0.001	<0.001	0.00089 (J)	<0.001
6/25/2014				0.0033 (J)	0.001 (J)				
7/1/2014	<0.001	<0.001							
1/13/2015				0.0037 (J)		0.00084 (J)	<0.001	0.0013 (J)	<0.001
1/14/2015		<0.001	<0.001		0.0014 (J)				
1/21/2015	<0.001								
7/22/2015		<0.001	<0.001	0.0031 (J)					
7/23/2015						<0.001	0.0016 (J)	0.0027 (J)	<0.001
7/28/2015	<0.001				0.0027 (J)				
1/26/2016									<0.001
1/27/2016	<0.001	<0.001	<0.001	0.0035 (J)	0.0018 (J)	0.00096 (J)	<0.001	0.0012 (J)	
1/31/2017	0.0015 (J)								
2/1/2017		0.002 (J)	0.0016 (J)	0.0067	0.0044	0.0036			
2/2/2017							0.0015 (J)	0.0031	0.0028
8/4/2017	<0.001		<0.001						
8/7/2017		<0.001		0.005	<0.001	<0.001	0.0016 (J)	0.0041	0.0014 (J)
1/25/2018	<0.001	<0.001	0.003	0.0058	0.0042	<0.001	0.0021 (J)		
1/26/2018								0.0044	<0.001
6/20/2018	<0.001	0.0016 (J)	<0.001	0.0039					<0.001
6/21/2018						<0.001	<0.001	0.0017 (J)	
6/26/2018					0.0023 (J)				
1/22/2019	0.0015	<0.001	0.0012						
1/24/2019					0.0027				<0.001
1/25/2019				0.0052					
1/28/2019						0.0015	<0.001	0.0019	
6/25/2019	0.0021	0.0014	0.0019	0.0056	0.005			0.0038	0.0021
6/26/2019							0.0023		
6/27/2019						0.0031			
9/11/2019				0.0048	0.0023	0.0017		0.0027	<0.001
9/12/2019	0.0015	0.0012					0.0015		
9/17/2019			0.0013						

Time Series

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
3/12/2020	<0.001								
3/16/2020			<0.001						
3/17/2020		<0.001		0.0044	0.0024	0.0015			
3/18/2020							0.0011	0.0016	<0.001
9/10/2020	<0.001	<0.001	<0.001						
9/11/2020				0.0039					
9/14/2020					0.0017	0.0018			
9/15/2020							0.0012	0.0021	<0.001
3/16/2021					0.0023	0.0017		0.0019	<0.001
3/17/2021	<0.001	<0.001		0.004			0.001		
3/18/2021			<0.001						
8/19/2021									<0.001
8/20/2021				0.0047	0.0032				
8/23/2021	<0.001	<0.001							
8/24/2021			0.0012			0.0019	0.0016	0.0018	
3/7/2022		<0.001	<0.001					0.0017	<0.001
3/8/2022	<0.001			0.0039	0.0019	0.0014	0.0011		

Time Series

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
9/15/2011	0.005						<0.001		<0.001
9/16/2011		<0.001							
9/17/2011				0.0074	<0.001	<0.001		<0.001	
10/28/2011							<0.001		
10/29/2011	<0.001	<0.001			<0.001	<0.001			
10/31/2011				<0.001				<0.001	<0.001
12/13/2011	<0.001	<0.001					<0.001		<0.001
12/14/2011				<0.001	<0.001	<0.001			
1/25/2012	<0.001					<0.001			
1/31/2012		<0.001							
2/1/2012									<0.001
2/7/2012				<0.001	<0.001			<0.001	
2/8/2012							<0.001		
7/17/2012				<0.001	<0.001	<0.001			<0.001
7/18/2012	0.0074	<0.001					<0.001		
1/22/2013	0.0071	<0.001							
1/23/2013								<0.001	<0.001
1/24/2013					<0.001	<0.001	<0.001		
7/16/2013	0.0075								
7/23/2013		<0.001							
7/24/2013				<0.001	<0.001	<0.001	<0.001		<0.001
1/21/2014	0.0061								
1/22/2014		<0.001							
1/23/2014				0.00082 (J)	<0.001	<0.001	<0.001	0.00068 (J)	<0.001
6/25/2014	0.007								
7/1/2014		<0.001					<0.001	<0.001	<0.001
7/8/2014			<0.001	<0.001	<0.001	<0.001			
1/14/2015	0.0063								
1/20/2015							<0.001		<0.001
1/21/2015				0.0013 (J)	<0.001	<0.001		<0.001	
1/22/2015		<0.001							
7/23/2015	0.0066								
7/29/2015		0.0011 (J)							
7/30/2015				0.0018 (J)		<0.001	<0.001		<0.001
7/31/2015			<0.001		<0.001				
1/19/2016							0.001 (J)		
1/20/2016			<0.001						
1/21/2016		<0.001		0.0017 (J)					
1/22/2016						<0.001			
1/25/2016					<0.001			<0.001	<0.001
1/26/2016	0.0058								
1/19/2017					<0.001				
1/20/2017						<0.001			
1/24/2017				0.0077			0.0059		
1/25/2017								0.0043	
1/26/2017									0.0016 (J)
2/3/2017	0.0082	0.0016 (J)	0.0015 (J)						
8/3/2017				<0.001	<0.001	<0.001			<0.001
8/4/2017							0.0018 (J)	<0.001	
8/8/2017	0.0058	<0.001	<0.001						
1/19/2018						<0.001			
1/22/2018					<0.001				

Time Series

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
1/23/2018								0.0023 (J)	0.003
1/24/2018							<0.001		
1/25/2018	0.0063	0.0014 (J)	<0.001	<0.001					
6/20/2018	0.006	<0.001							
6/21/2018							0.0031		
6/26/2018									<0.001
6/27/2018			<0.001	<0.001	<0.001	<0.001		<0.001	
1/24/2019	0.0065			0.0018	0.0013	<0.001			
1/25/2019		0.0012							
1/30/2019							0.0021		0.0012
1/31/2019			0.0015					0.0014	
6/25/2019	0.0092			0.0019	0.0024				
6/26/2019		0.0019	0.0014			0.0011		0.0015	
6/27/2019							0.0029		0.0021
9/10/2019	0.0082						0.0018		
9/11/2019			<0.001	0.0013				0.0025	
9/12/2019		0.001			0.0014	<0.001			0.0012
3/11/2020							0.00099 (J)		
3/12/2020			<0.001	0.0011		<0.001			
3/13/2020					<0.001				
3/17/2020								<0.001	
3/18/2020	0.0069	<0.001							<0.001
9/9/2020						<0.001			
9/10/2020	0.0061	<0.001					0.0012		
9/11/2020								<0.001	
9/14/2020				<0.001					
9/15/2020			<0.001		<0.001				<0.001
3/15/2021	0.0068								
3/16/2021								<0.001	
3/17/2021				<0.001	<0.001				0.0011
3/18/2021		0.001	<0.001			<0.001	0.0014		
8/19/2021	0.0063		<0.001	<0.001	<0.001				
8/23/2021		<0.001				<0.001	0.0015		
8/24/2021									0.0011
8/25/2021								0.001	
3/2/2022							0.0013		
3/8/2022	0.009			<0.001		0.00085 (J)			
3/9/2022		0.00093 (J)			<0.001				<0.001
3/10/2022			<0.001					0.0012	

Time Series

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
8/31/2011				<0.001	<0.001			
9/7/2011						<0.001	<0.001	<0.001
9/16/2011	<0.001	<0.001	<0.001					
10/27/2011				<0.001				
10/30/2011	<0.001				<0.001	<0.001	<0.001	<0.001
10/31/2011		<0.001	<0.001					
12/4/2011								<0.001
12/5/2011				<0.001	<0.001	<0.001	<0.001	
12/12/2011	<0.001	<0.001	<0.001					
1/19/2012							<0.001	<0.001
1/25/2012				<0.001	<0.001	<0.001		
2/1/2012	<0.001	<0.001	<0.001					
7/16/2012		<0.001	<0.001					
7/17/2012	<0.001							
7/18/2012				<0.001		<0.001	<0.001	<0.001
7/24/2012					<0.001			
1/7/2013						<0.001	<0.001	
1/8/2013					<0.001			<0.001
1/9/2013				<0.001				
1/22/2013		<0.001	<0.001					
1/23/2013	<0.001							
7/2/2013			<0.001					
7/9/2013					<0.001	<0.001	<0.001	<0.001
7/17/2013	<0.001	<0.001		<0.001				
1/14/2014						<0.001	<0.001	0.0022 (J)
1/15/2014				0.0042 (J)	0.002 (J)			
1/21/2014			<0.001					
1/23/2014	<0.001	<0.001						
6/24/2014						0.00087 (J)	0.0014 (J)	0.0022 (J)
6/25/2014		<0.001	<0.001	0.0022 (J)	<0.001			
1/13/2015				0.004 (J)				
1/14/2015		<0.001	<0.001					
1/20/2015	<0.001				<0.001	0.00094 (J)	0.0013 (J)	0.0025 (J)
7/24/2015				0.0021 (J)	<0.001			
7/27/2015						<0.001	<0.001	0.0024 (J)
7/28/2015			<0.001					
7/29/2015	<0.001	<0.001						
1/20/2016				0.0035 (J)	<0.001			
1/21/2016		<0.001	<0.001					
1/25/2016	<0.001							
1/26/2016						0.0011 (J)	<0.001	<0.001
1/25/2017	0.0052	0.0055						
1/26/2017			0.0026	0.0064	0.0064	0.0057	0.0038	
1/31/2017								<0.001
8/3/2017		<0.001	<0.001	0.0031	<0.001			
8/4/2017	<0.001					<0.001		
8/7/2017							<0.001	<0.001
1/23/2018	0.003	<0.001	0.0022 (J)	0.0062	0.0038	0.0042		
1/24/2018							<0.001	<0.001
6/19/2018			0.0019 (J)					
6/20/2018		<0.001						
6/21/2018							0.0015 (J)	<0.001

Time Series

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
6/25/2018				0.0021 (J)	<0.001	0.0035		
6/26/2018	<0.001							
1/21/2019			0.0011			0.003		
1/22/2019							0.0015	0.0014
1/28/2019		<0.001						
1/30/2019	0.0014			0.0031	0.0015			
6/25/2019						0.0035	0.0026	0.002
6/26/2019	0.0017	0.002	0.0015	0.0033	0.0016			
9/10/2019						0.0024	0.0014	
9/11/2019		<0.001						
9/12/2019	0.0014		<0.001	0.0031	<0.001			
9/16/2019								0.0014
3/11/2020		<0.001	<0.001					
3/12/2020	<0.001					0.0019	<0.001	
3/16/2020				0.0028	<0.001			<0.001
9/9/2020				0.0025				
9/11/2020		<0.001	<0.001		<0.001			<0.001
9/14/2020						0.0017	<0.001	
9/16/2020	<0.001							
3/16/2021		<0.001	<0.001			0.0025	0.0014	0.0011
3/17/2021				0.0025	<0.001			
3/18/2021	<0.001							
8/18/2021			<0.001		<0.001			
8/19/2021				0.0026		0.002		
8/20/2021							0.0012	
8/24/2021	<0.001	<0.001						
8/25/2021								<0.001
3/2/2022		<0.001	<0.001	0.003	<0.001	0.0031	0.0013	
3/9/2022	<0.001							<0.001

Time Series

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
8/31/2011					0.0037	<0.005			
9/13/2011								<0.005	<0.005
9/16/2011	0.0071		0.003						
9/17/2011		0.0061		0.026					
10/27/2011	0.0062	0.0059				<0.005			
10/28/2011			0.0073	0.019				<0.005	<0.005
12/4/2011								0.0025	0.0027
12/12/2011			0.0053	0.02					
12/13/2011	0.0065								
12/14/2011		0.0077				<0.005			
1/24/2012									<0.005
1/25/2012			0.0046						
1/31/2012	0.0047			0.036					
2/1/2012						<0.005			
2/7/2012		0.0053							
2/9/2012								<0.005	
7/11/2012									<0.005
7/16/2012			0.0034						
7/17/2012				0.015					
7/18/2012	0.0044							0.008	
7/23/2012		0.0043				0.0037			
1/8/2013								<0.005	<0.005
1/23/2013		0.0054				<0.005			
1/24/2013	0.0058		0.0049	0.048					
7/9/2013								<0.005	
7/10/2013									<0.005
7/17/2013	0.0028					<0.005			
7/23/2013			0.0026						
7/24/2013		0.004		0.048					
1/15/2014						0.00085 (J)		0.00052 (J)	
1/21/2014	0.0037								0.0019 (J)
1/22/2014		0.0056	0.0052	0.044					
6/25/2014	0.0026				0.015	0.0014 (J)		0.00089 (J)	
7/1/2014		0.004	0.0042						0.0087
7/8/2014				0.04 (D)					
1/14/2015	0.003					0.0082			
1/21/2015			0.0038	0.037				<0.005	<0.005
1/22/2015		0.0051							
7/21/2015	0.0033		0.0042		0.042	0.0015 (J)			
7/22/2015		0.0033		0.031					
7/28/2015								0.0021 (J)	<0.005
1/19/2016				0.035 (D)					
1/20/2016		0.0029				0.0093			
1/21/2016	0.0043								
1/22/2016			0.0041						
1/25/2016							0.0027		
1/26/2016								<0.005	<0.005
1/17/2017			<0.005	0.024		0.014 (J)			
1/19/2017	0.0077 (J)	<0.005							
1/31/2017								<0.005	<0.005
2/1/2017							<0.005		
8/1/2017			<0.005	0.028	<0.005				

Time Series

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
8/2/2017		<0.005				<0.005			
8/3/2017	<0.005								
8/7/2017								<0.005	<0.005
8/8/2017							<0.005		
1/19/2018	<0.005	<0.005	<0.005	0.024					
1/22/2018						<0.005			
1/24/2018								<0.005	<0.005
1/25/2018							<0.005		
6/19/2018	0.0068 (J)	<0.005	<0.005	0.028		<0.005			
6/20/2018					<0.005			<0.005	
6/21/2018							<0.005		
6/26/2018									<0.005
1/17/2019	0.0037 (J)	0.0024 (J)				<0.005			
1/18/2019				0.022	0.0088				
1/21/2019			0.0065						
1/24/2019								<0.005	
1/25/2019									<0.005
1/31/2019							0.0039 (J)		
6/24/2019	0.0048 (J)	0.0046 (J)				0.0036 (J)			
6/25/2019			0.011	0.041	0.014				
6/26/2019							0.0044 (J)	<0.005	<0.005
9/9/2019	0.0064								
9/10/2019		0.0064	0.01	0.031		0.006			
9/11/2019					0.02				0.0056
9/16/2019								0.005	
9/17/2019							0.013		
3/10/2020	0.0036 (J)	<0.005	0.017	0.034	0.015	0.052 (o)			
3/16/2020								<0.005	
3/17/2020							0.0044 (J)		
3/18/2020									<0.005
9/9/2020	0.078 (o)		0.063	0.025	0.013	<0.005			
9/10/2020		<0.005					0.13 (o)	0.017	<0.005
12/2/2020							0.011		
3/15/2021	<0.005	<0.005	0.0057	0.024	0.015	0.044 (o)			
3/16/2021									<0.005
3/17/2021								<0.005	
3/18/2021							0.004 (J)		
8/16/2021	<0.005		0.0061						
8/18/2021		0.0046 (J)		0.024	0.038	0.0034 (J)			
8/19/2021									<0.005
8/20/2021							<0.005		
8/23/2021								<0.005	
2/28/2022	0.0032 (J)								
3/1/2022		<0.005	0.0057		0.012	<0.005			
3/2/2022				0.024					
3/7/2022								<0.005	<0.005
3/8/2022							<0.005		

Time Series

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
8/30/2011				0.0081	0.0035	<0.005	0.0035		
8/31/2011								<0.005	0.01
9/13/2011	<0.005	0.0039							
9/16/2011			<0.005						
10/26/2011				0.0035	0.0032	0.0025	0.0054		
10/27/2011		0.0046	<0.005					0.0038	0.0087
10/28/2011	<0.005								
12/3/2011		0.0028	<0.005	0.0033	0.0027	0.0027	0.0046		
12/4/2011	0.0028							0.0028	0.0093
1/24/2012	<0.005	0.0033							
1/25/2012				<0.005	<0.005				
2/8/2012							<0.005	<0.005	0.0086
2/9/2012			<0.005			<0.005			
7/11/2012	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
7/17/2012									0.009
1/8/2013	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
1/9/2013									0.006
7/2/2013			<0.005	<0.005					
7/10/2013	<0.005	<0.005							
7/16/2013					<0.005	<0.005	<0.005	<0.005	0.0052
1/14/2014				0.00074 (J)	0.0021 (J)	0.0005 (J)			
1/21/2014	0.0026	0.0036	0.0017 (J)				0.0025	0.0018 (J)	0.0066
6/24/2014			<0.005			0.00099 (J)	0.0014 (J)	0.0006 (J)	0.0059
6/25/2014				0.00071 (J)	0.0012 (J)				
7/1/2014	0.0014 (J)	0.0018 (J)							
1/13/2015				0.0015 (J)		0.00063 (J)	0.0019 (J)	0.00086 (J)	0.005
1/14/2015		0.0035	0.0013 (J)		0.0015 (J)				
1/21/2015	0.0018 (J)								
7/22/2015		0.005	<0.005	<0.005					
7/23/2015						<0.005	0.0025	<0.005	0.0042
7/28/2015	<0.005				<0.005				
1/26/2016									0.0043
1/27/2016	<0.005	0.0094	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
1/31/2017	<0.005								
2/1/2017		0.0084 (J)	<0.005	<0.005	<0.005	<0.005			
2/2/2017							<0.005	<0.005	<0.005
8/4/2017	<0.005		<0.005						
8/7/2017		0.012 (J)		<0.005	<0.005	<0.005	<0.005	0.013 (J)	<0.005
1/25/2018	<0.005	0.0095 (J)	<0.005	<0.005	<0.005	<0.005	<0.005		
1/26/2018								<0.005	<0.005
6/20/2018	<0.005	0.012 (J)	<0.005	<0.005					<0.005
6/21/2018						<0.005	<0.005	<0.005	
6/26/2018					<0.005				
1/22/2019	<0.005	0.0094	<0.005						
1/24/2019					<0.005				0.0034 (J)
1/25/2019				<0.005					
1/28/2019						0.0033 (J)	0.0049 (J)	0.014	
6/25/2019	<0.005	0.014	<0.005	<0.005	<0.005			<0.005	0.0039 (J)
6/26/2019							0.0038 (J)		
6/27/2019						<0.005			
9/11/2019				0.0062	0.012	0.0038 (J)		0.0061	0.0068
9/12/2019	0.0085	0.019					0.0086		

Time Series

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-14	GWC-15	GWC-16	GWC-17	GWC-18	GWC-19	GWC-20	GWC-21
9/17/2019			0.0041 (J)						
3/12/2020	<0.005								
3/16/2020			<0.005						
3/17/2020		0.014		<0.005	<0.005	<0.005			
3/18/2020							0.0078	<0.005	0.0052
9/10/2020	0.0036 (J)	0.014	<0.005						
9/11/2020				0.0033 (J)					
9/14/2020					0.0048 (J)	0.0053			
9/15/2020							0.0037 (J)	<0.005	0.0052
3/16/2021					<0.005	<0.005		<0.005	0.0033 (J)
3/17/2021	0.0039 (J)	0.014		<0.005			0.0056		
3/18/2021			<0.005						
8/19/2021									<0.005
8/20/2021				<0.005	<0.005				
8/23/2021	<0.005	0.017							
8/24/2021			<0.005			<0.005	0.0034 (J)	<0.005	
3/7/2022		0.014	<0.005					<0.005	0.0029 (J)
3/8/2022	<0.005			<0.005	<0.005	<0.005	0.0056		

Time Series

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
9/15/2011	0.0058						<0.005		0.11
9/16/2011		0.0058							
9/17/2011				0.0028	0.0061	0.0044		0.02	
10/28/2011							0.0062		
10/29/2011	0.0031	0.0032			0.0038	0.0049			
10/31/2011				0.003				0.028	0.099
12/13/2011	0.0068	0.0074					0.003		0.11
12/14/2011				0.0029	0.0033	0.0057			
1/25/2012	<0.005					0.0051			
1/31/2012		0.0031							
2/1/2012									0.1
2/7/2012				0.0092	0.0036			0.0091	
2/8/2012							0.009		
7/17/2012				0.01	0.0028	0.015			0.084
7/18/2012	0.0056	0.0054					<0.005		
1/22/2013	<0.005	0.0061							
1/23/2013								0.014	0.06
1/24/2013					<0.005	0.0041	0.0066		
7/16/2013	<0.005								
7/23/2013		0.0038							
7/24/2013				0.033	<0.005	0.0036	<0.005		0.073
1/21/2014	<0.005								
1/22/2014		0.0035							
1/23/2014				0.015	0.019	0.02	0.0028	0.012	0.038
6/25/2014	0.00094 (J)								
7/1/2014		0.0031					0.0014 (J)	0.015	0.054
7/8/2014			0.0043	0.011	0.0048	0.0032			
1/14/2015	0.00073 (J)								
1/20/2015							<0.005		0.033
1/21/2015				0.0057	0.0022 (J)	0.0039		0.0081	
1/22/2015		0.0049							
7/23/2015	<0.005								
7/29/2015		0.0024 (J)							
7/30/2015				0.0072		0.0033	<0.005		0.029
7/31/2015			0.0052		<0.005				
1/19/2016							<0.005		
1/20/2016			0.0086						
1/21/2016		<0.005		0.017					
1/22/2016						0.012			
1/25/2016					0.0035			0.0067	0.037
1/26/2016	<0.005								
1/19/2017					0.015 (J)				
1/20/2017						<0.005			
1/24/2017				0.0085 (J)			<0.005		
1/25/2017								<0.005	
1/26/2017									0.07
2/3/2017	<0.005	<0.005	0.0094 (J)						
8/3/2017				<0.005	<0.005	<0.005			0.059
8/4/2017							<0.005	0.033	
8/8/2017	<0.005	<0.005	0.0098 (J)						
1/19/2018						<0.005			
1/22/2018					<0.005				

Time Series

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-23	GWC-24	GWC-25	GWC-26	GWC-27	GWC-30	GWC-31	GWC-32
1/23/2018								0.026	0.065
1/24/2018							<0.005		
1/25/2018	<0.005	<0.005	<0.005	0.009 (J)					
6/20/2018	<0.005	<0.005							
6/21/2018							<0.005		
6/26/2018									0.047
6/27/2018			<0.005	0.0086 (J)	<0.005	<0.005		0.012 (J)	
1/24/2019	<0.005			0.013	<0.005	0.0041 (J)			
1/25/2019		<0.005							
1/30/2019							<0.005		0.053
1/31/2019			0.006					0.008	
6/25/2019	<0.005			0.01	0.0045 (J)				
6/26/2019		<0.005	0.0062			<0.005		0.011	
6/27/2019							<0.005		0.082
9/10/2019	0.0061						0.019		
9/11/2019			0.0081	0.037				0.081	
9/12/2019		0.0042 (J)			0.0059	0.0079			0.098
3/11/2020							0.022		
3/12/2020			0.008	0.0089		0.0051			
3/13/2020					0.0087				
3/17/2020								0.044	
3/18/2020	<0.005	<0.005							0.13
9/9/2020						0.0079			
9/10/2020	<0.005	0.004 (J)					<0.005		
9/11/2020								0.0094	
9/14/2020				0.024					
9/15/2020			0.0073		0.0042 (J)				0.07
3/15/2021	<0.005								
3/16/2021								0.014	
3/17/2021				0.0088	<0.005				0.081
3/18/2021		<0.005	0.0064			<0.005	0.078 (o)		
8/19/2021	<0.005		0.014	0.0076	0.0049 (J)				
8/23/2021		0.032 (o)				<0.005	<0.005		
8/24/2021									0.022
8/25/2021								0.0074	
3/2/2022							<0.005		
3/8/2022	<0.005			<0.005		<0.005			
3/9/2022		<0.005			<0.005				0.024
3/10/2022			0.0037 (J)					0.0066	

Time Series

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
8/31/2011				<0.005	0.0037			
9/7/2011						<0.005	0.0029	0.016 (O)
9/16/2011	0.0033	0.0029	0.006					
10/27/2011				0.0025				
10/30/2011	0.0071				0.0043	<0.005	<0.005	0.004
10/31/2011		<0.005	0.0055					
12/4/2011								0.0086
12/5/2011				<0.005	0.0047	<0.005	0.004	
12/12/2011		0.0027	0.006					
12/13/2011	0.0062							
1/19/2012							0.0029	0.0081
1/25/2012				<0.005	<0.005	<0.005		
2/1/2012	0.0033	<0.005	0.0046					
7/16/2012		<0.005	0.0038					
7/17/2012	0.0083							
7/18/2012				<0.005		0.0035	0.006	0.0058
7/24/2012					<0.005			
1/7/2013						0.0033	<0.005	
1/8/2013					<0.005			0.0034
1/9/2013				<0.005				
1/22/2013		<0.005	0.0028					
1/23/2013	0.0038							
7/2/2013			0.0025					
7/9/2013					<0.005	0.0035	<0.005	<0.005
7/17/2013	0.0059	<0.005		0.0043				
1/14/2014						0.0022 (J)	0.002 (J)	0.003
1/15/2014				0.0023 (J)	0.0034			
1/21/2014			0.0036					
1/23/2014	0.008	0.0034						
6/24/2014						0.01	0.0011 (J)	0.0016 (J)
6/25/2014		0.00083 (J)	0.0021 (J)	0.0022 (J)	0.002 (J)			
1/13/2015				0.0027				
1/14/2015		0.0014 (J)	0.0022 (J)					
1/20/2015	0.0058				<0.005	0.0018 (J)	0.0018 (J)	0.0021 (J)
7/24/2015				0.002 (J)	0.0017 (J)			
7/27/2015						<0.005	0.0015 (J)	<0.005
7/28/2015			0.0016 (J)					
7/29/2015	0.0049	<0.005						
1/20/2016				0.0022 (J)	0.0018 (J)			
1/21/2016		<0.005	0.0016 (J)					
1/25/2016	0.0046							
1/26/2016						0.0016 (J)	<0.005	<0.005
1/25/2017	<0.005	<0.005						
1/26/2017			<0.005	<0.005	<0.005	<0.005	<0.005	
1/31/2017								<0.005
8/3/2017		<0.005	<0.005	<0.005	<0.005			
8/4/2017	<0.005					<0.005		
8/7/2017							0.0086 (J)	<0.005
1/23/2018	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005		
1/24/2018							<0.005	<0.005
6/19/2018			<0.005					
6/20/2018		<0.005						

Time Series

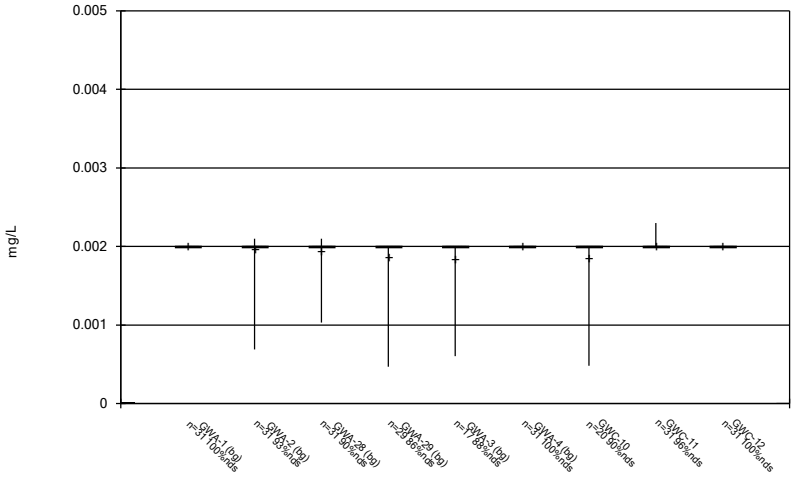
Constituent: Zinc (mg/L) Analysis Run 5/14/2022 12:07 PM View: Descriptive

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
6/21/2018							<0.005	<0.005
6/25/2018				<0.005	<0.005	<0.005		
6/26/2018	<0.005							
1/21/2019			<0.005			<0.005		
1/22/2019							<0.005	<0.005
1/28/2019		0.0031 (J)						
1/30/2019	0.0096			<0.005	<0.005			
6/25/2019						<0.005	0.0043 (J)	0.005
6/26/2019	0.0056	<0.005	<0.005	<0.005	0.0033 (J)			
9/10/2019						0.0063	0.0051	
9/11/2019		0.0068						
9/12/2019	0.01		0.0045 (J)	0.0067	0.049 (o)			
9/16/2019								0.0049 (J)
3/11/2020		0.0032 (J)	0.0034 (J)					
3/12/2020	0.0061					0.038 (o)	0.044 (o)	
3/16/2020				0.0033 (J)	0.0032 (J)			0.0094
9/9/2020				<0.005				
9/11/2020		<0.005	<0.005		0.0071			0.0055
9/14/2020						0.0041 (J)	0.0079	
9/16/2020	0.012							
3/16/2021		<0.005	<0.005			<0.005	0.0045 (J)	0.0048 (J)
3/17/2021				<0.005	<0.005			
3/18/2021	<0.005							
8/18/2021			<0.005		0.0034 (J)			
8/19/2021				<0.005		<0.005		
8/20/2021							0.0046 (J)	
8/24/2021	<0.005	<0.005						
8/25/2021								<0.005
3/2/2022		<0.005	<0.005	<0.005	<0.005	<0.005	0.0037 (J)	
3/9/2022	0.12							0.003 (J)

FIGURE B.

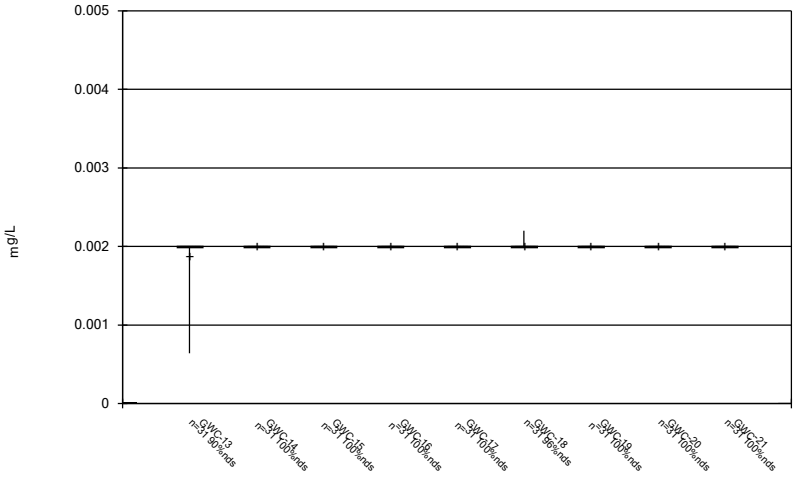
Box & Whiskers Plot



Constituent: Antimony Analysis Run 5/14/2022 12:25 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

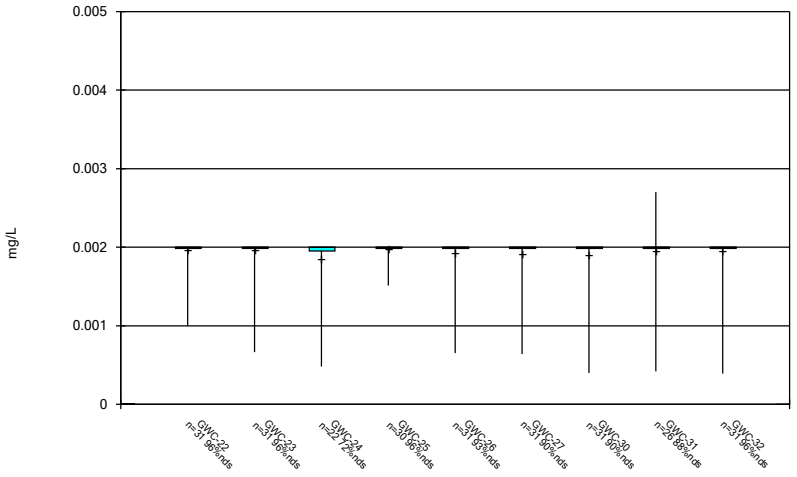
Box & Whiskers Plot



Constituent: Antimony Analysis Run 5/14/2022 12:25 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

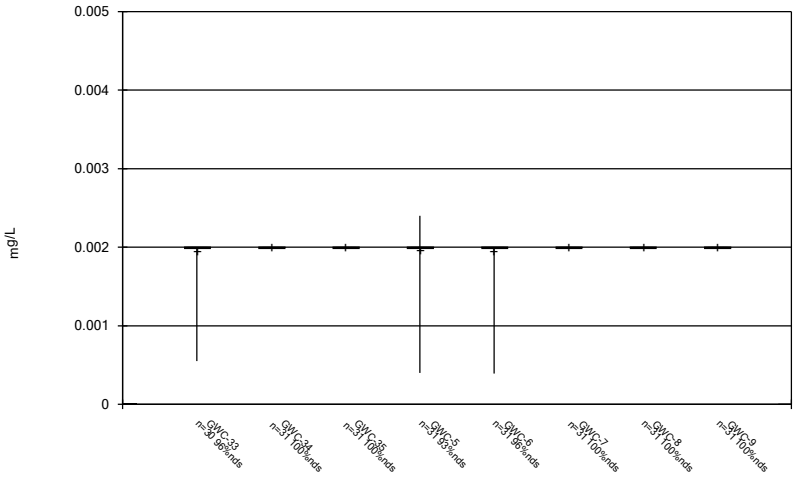
Box & Whiskers Plot



Constituent: Antimony Analysis Run 5/14/2022 12:25 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

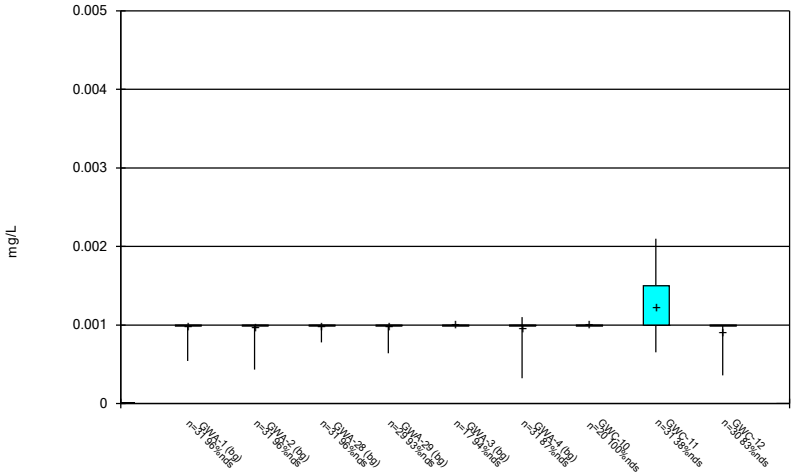
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Antimony Analysis Run 5/14/2022 12:25 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

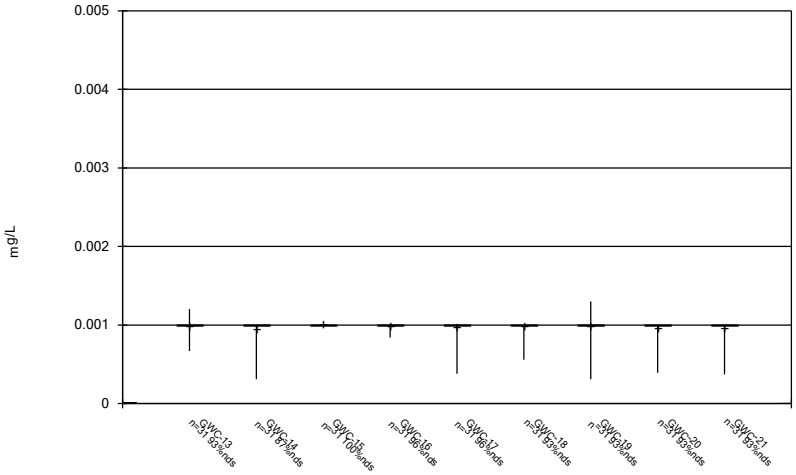
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 5/14/2022 12:25 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

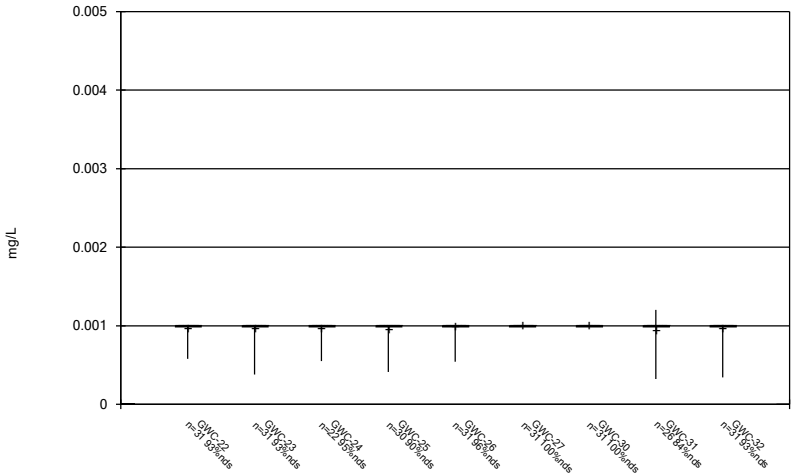
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 5/14/2022 12:25 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

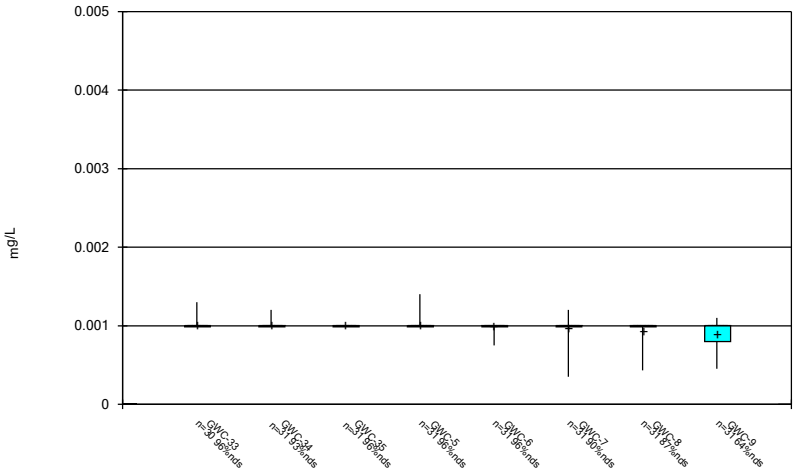
Box & Whiskers Plot



Constituent: Arsenic Analysis Run 5/14/2022 12:25 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

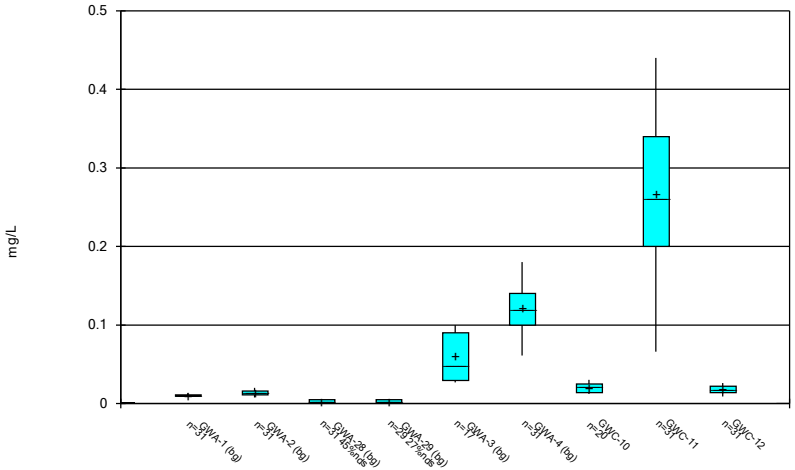
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Arsenic Analysis Run 5/14/2022 12:25 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

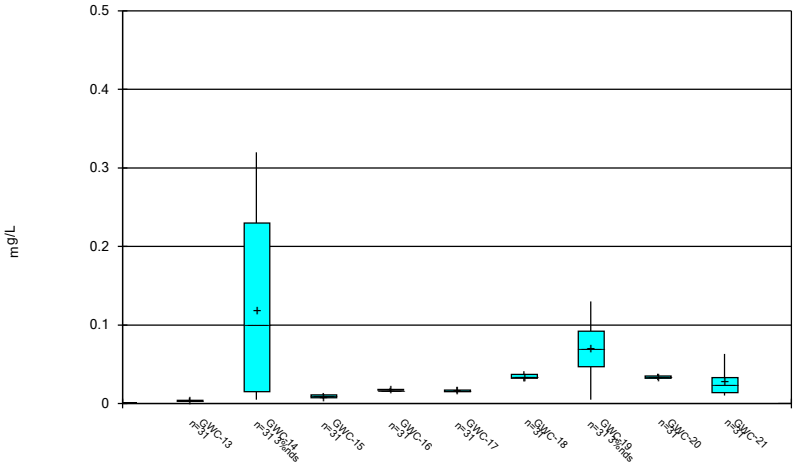
Box & Whiskers Plot



Constituent: Barium Analysis Run 5/14/2022 12:25 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

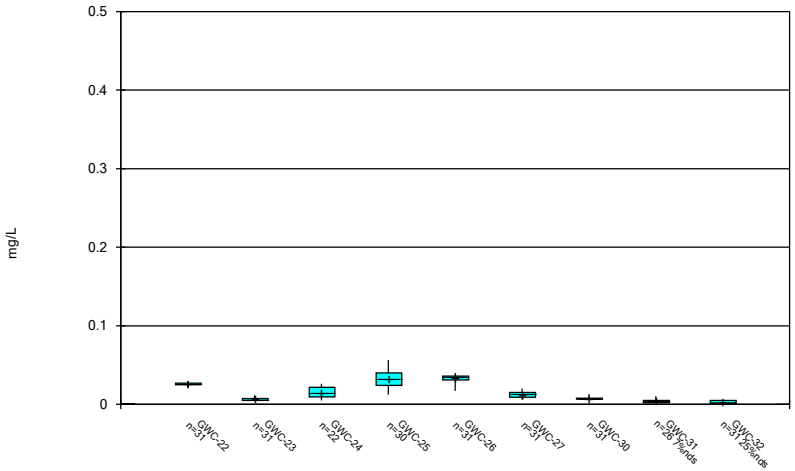
Box & Whiskers Plot



Constituent: Barium Analysis Run 5/14/2022 12:25 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

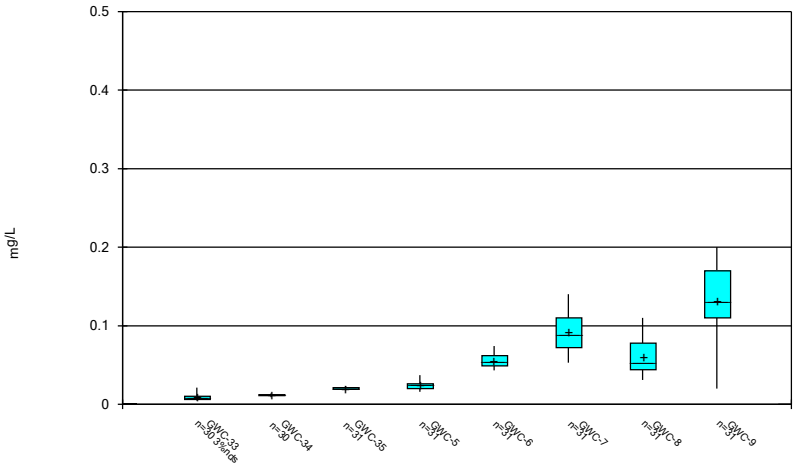
Box & Whiskers Plot



Constituent: Barium Analysis Run 5/14/2022 12:25 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

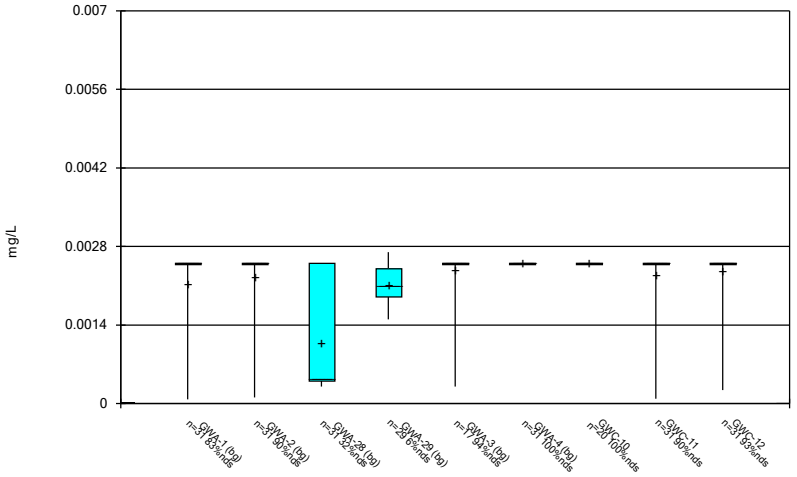
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Barium Analysis Run 5/14/2022 12:25 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

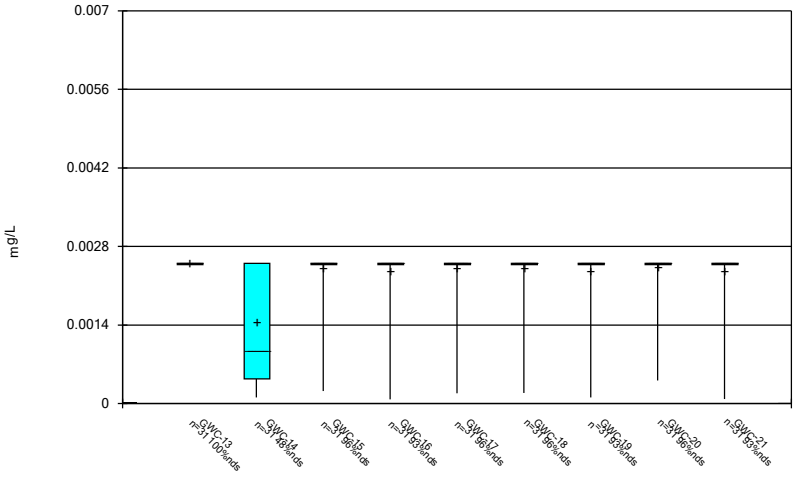
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 5/14/2022 12:25 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

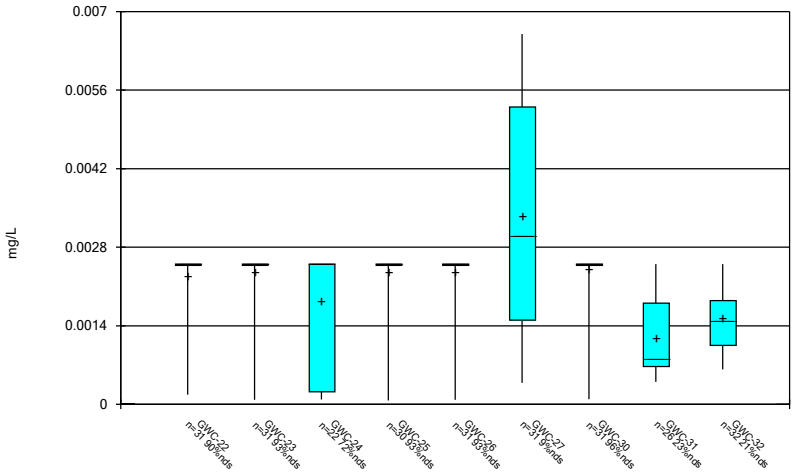
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 5/14/2022 12:25 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

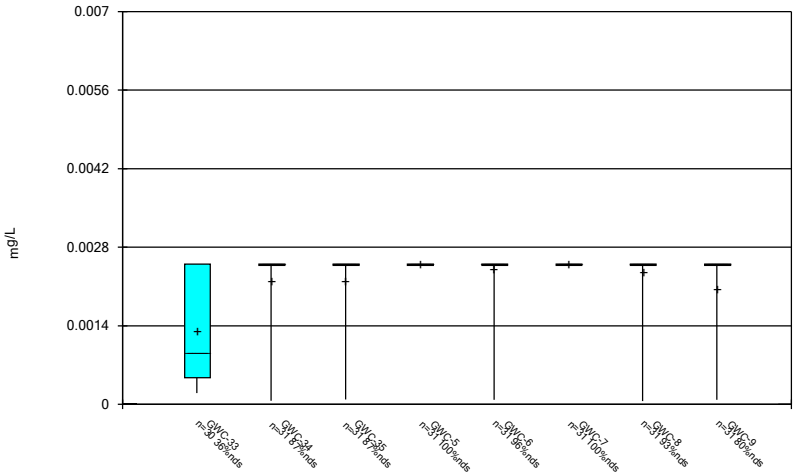
Box & Whiskers Plot



Constituent: Beryllium Analysis Run 5/14/2022 12:25 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

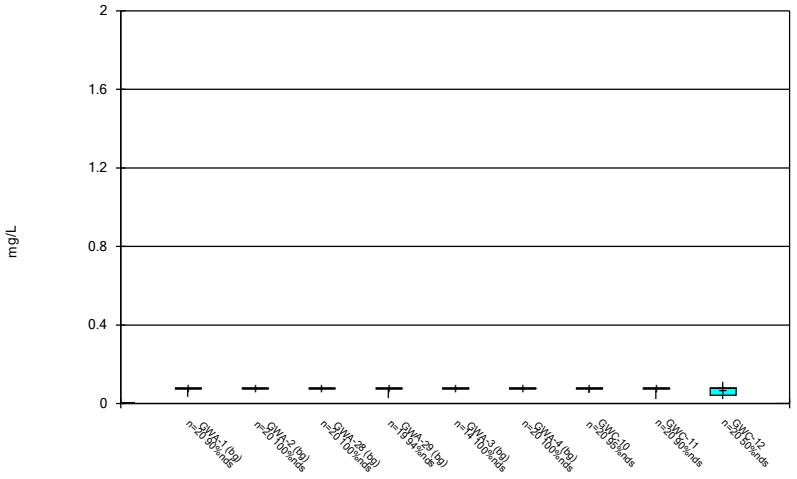
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Beryllium Analysis Run 5/14/2022 12:25 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

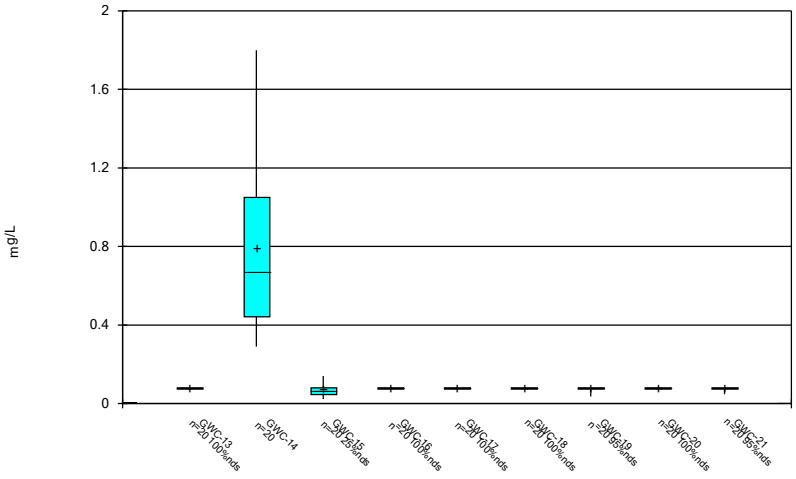
Box & Whiskers Plot



Constituent: Boron, total Analysis Run 5/14/2022 12:25 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

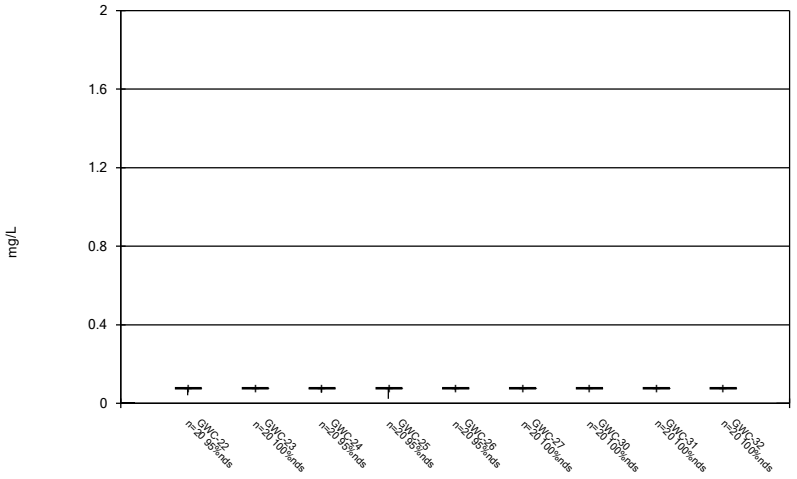
Box & Whiskers Plot



Constituent: Boron, total Analysis Run 5/14/2022 12:25 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

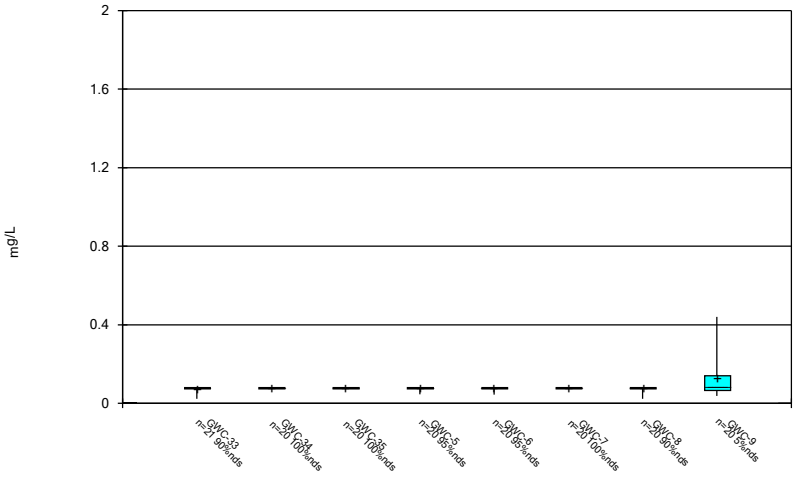
Box & Whiskers Plot



Constituent: Boron, total Analysis Run 5/14/2022 12:25 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

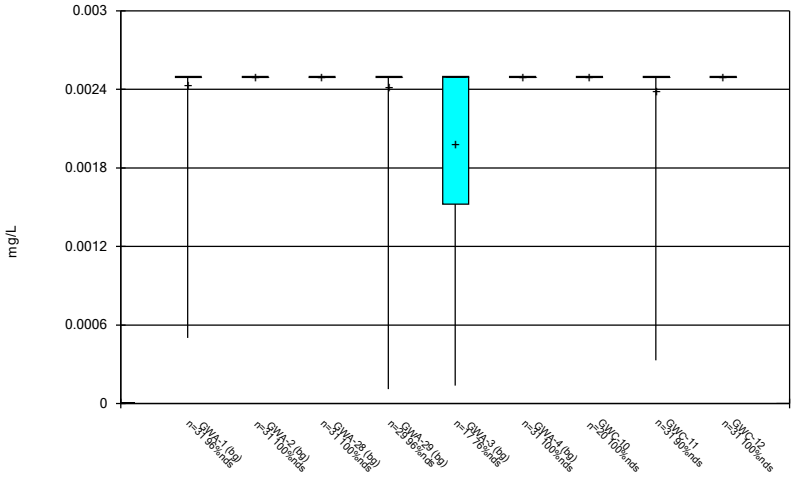
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Boron, total Analysis Run 5/14/2022 12:25 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

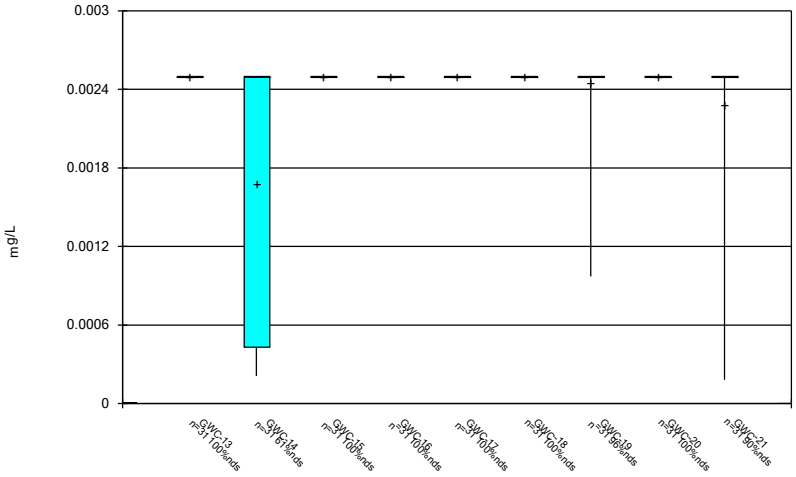
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 5/14/2022 12:25 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

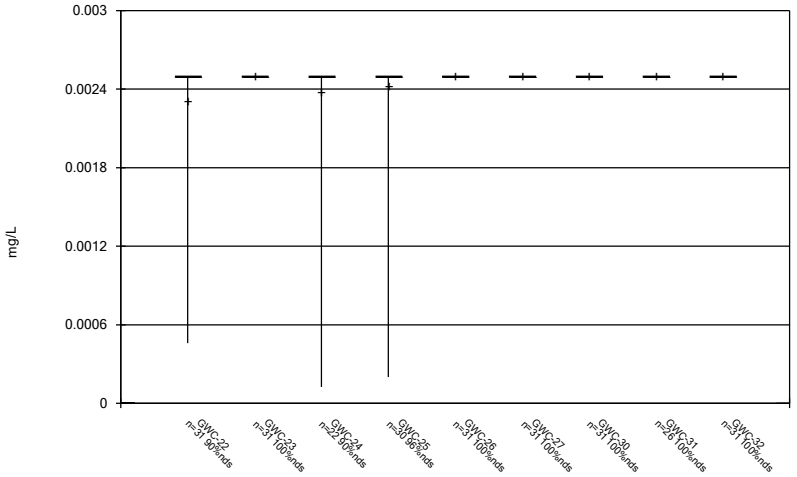
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 5/14/2022 12:25 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

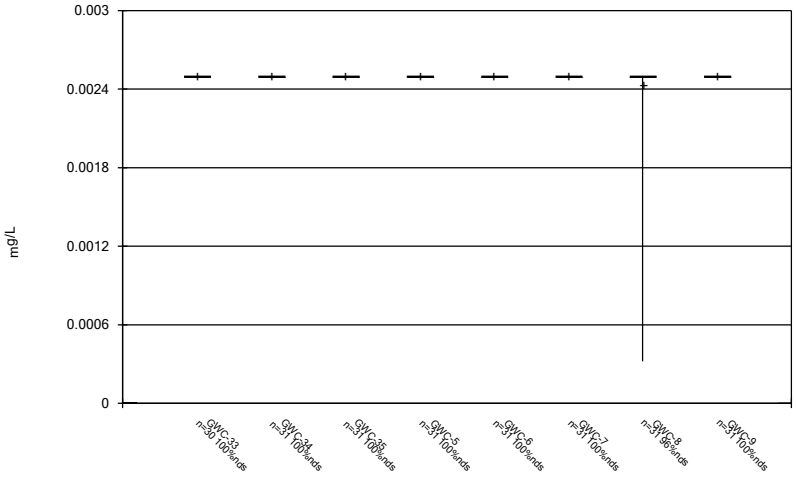
Box & Whiskers Plot



Constituent: Cadmium Analysis Run 5/14/2022 12:25 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

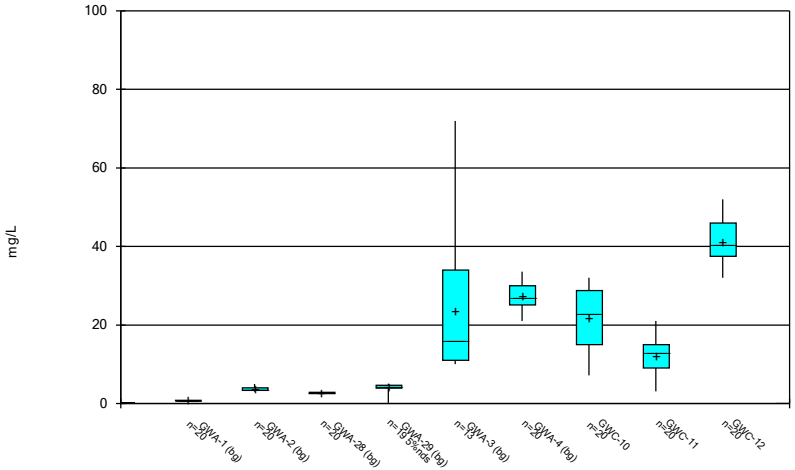
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Cadmium Analysis Run 5/14/2022 12:25 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

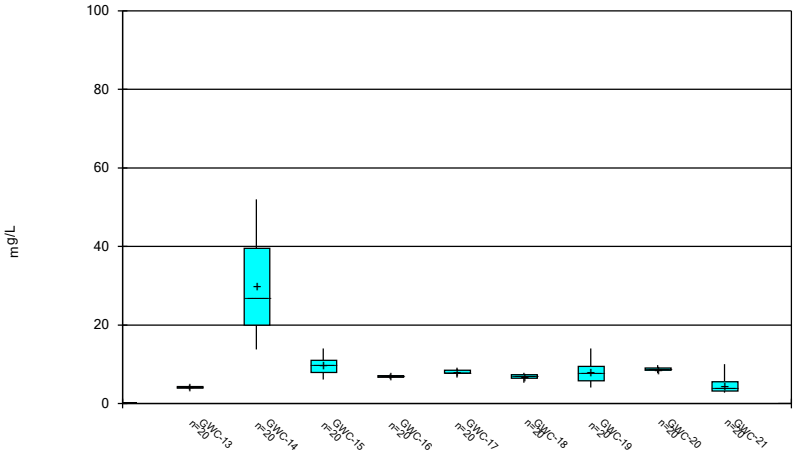
Box & Whiskers Plot



Constituent: Calcium, total Analysis Run 5/14/2022 12:25 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

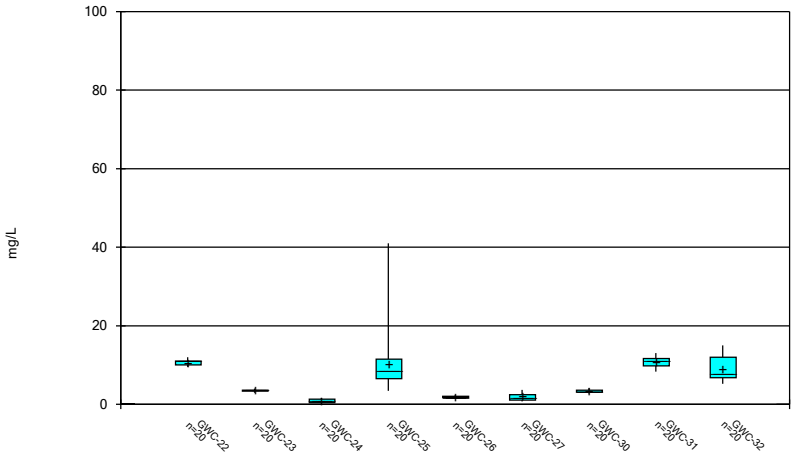
Box & Whiskers Plot



Constituent: Calcium, total Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

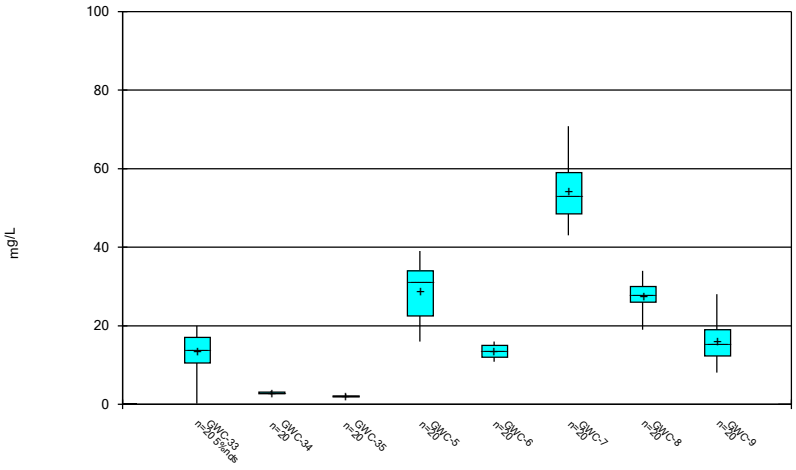
Box & Whiskers Plot



Constituent: Calcium, total Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

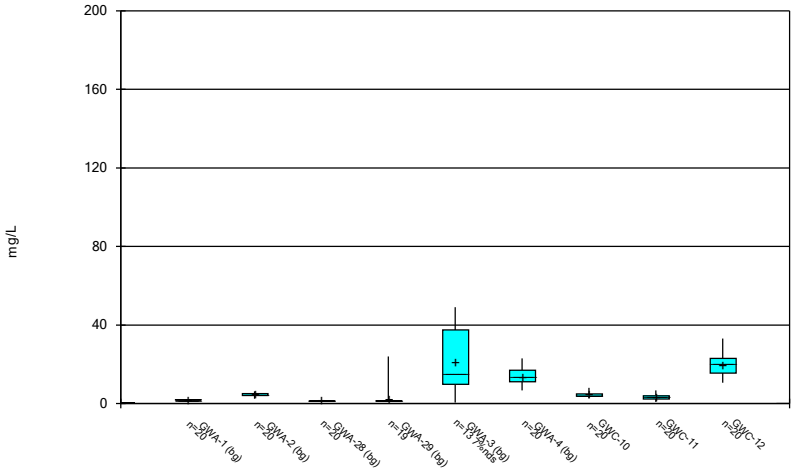
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Calcium, total Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

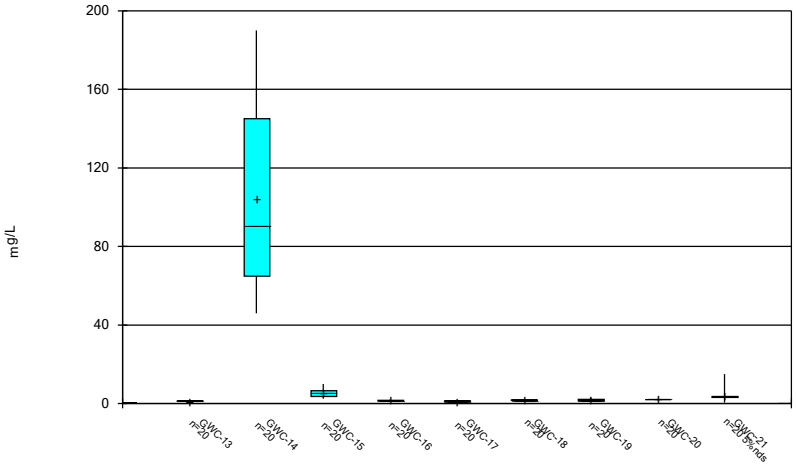
Box & Whiskers Plot



Constituent: Chloride, Total Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

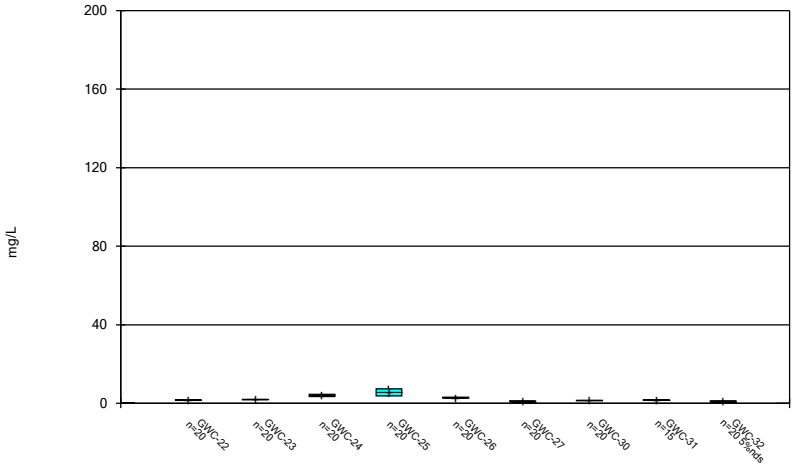
Box & Whiskers Plot



Constituent: Chloride, Total Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

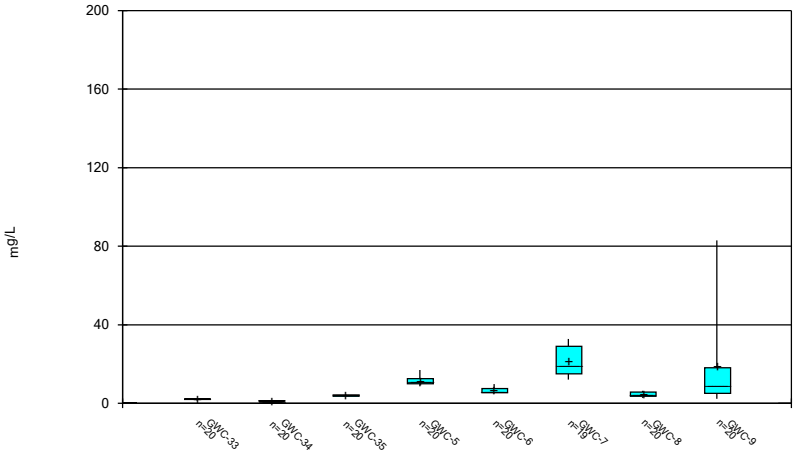
Box & Whiskers Plot



Constituent: Chloride, Total Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

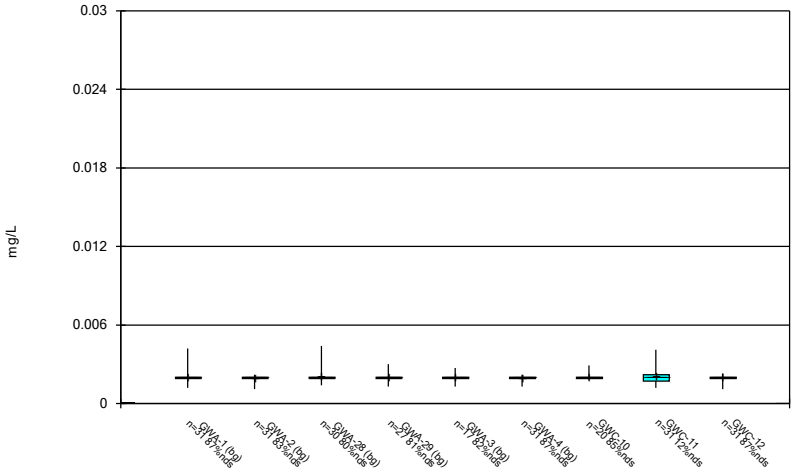
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Chloride, Total Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

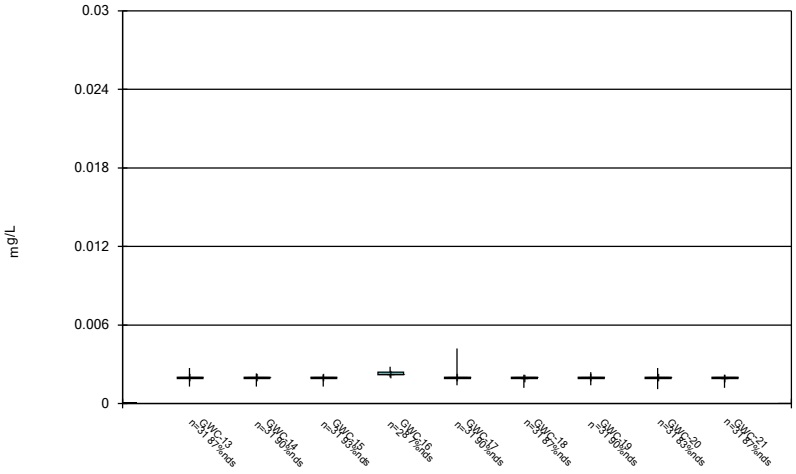
Box & Whiskers Plot



Constituent: Chromium Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

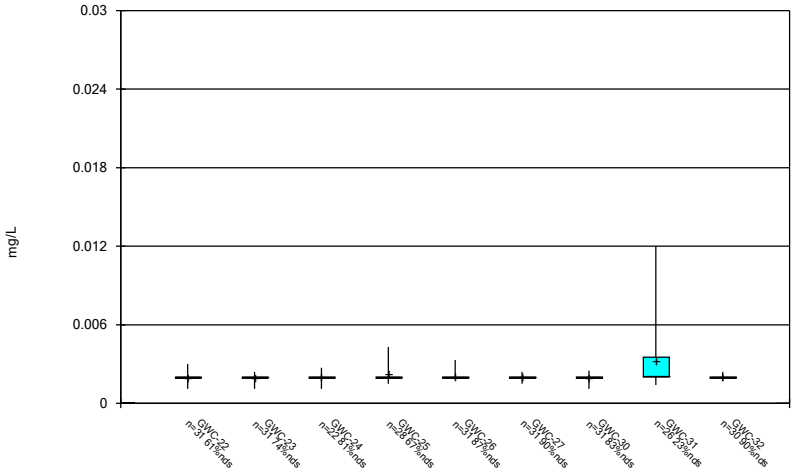
Box & Whiskers Plot



Constituent: Chromium Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

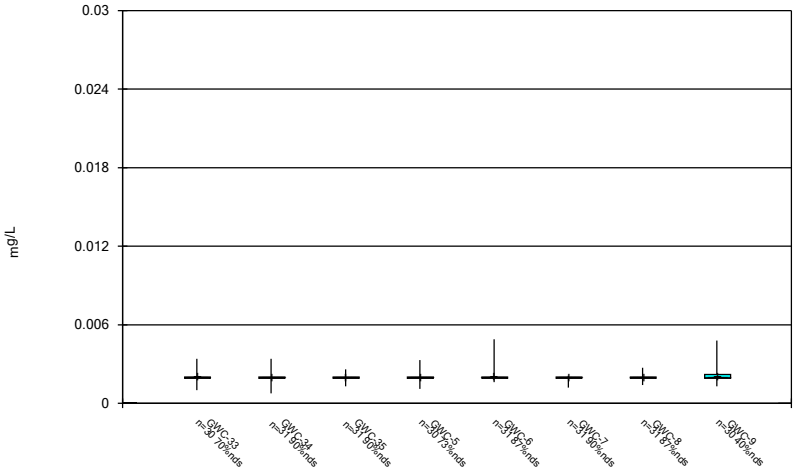
Box & Whiskers Plot



Constituent: Chromium Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

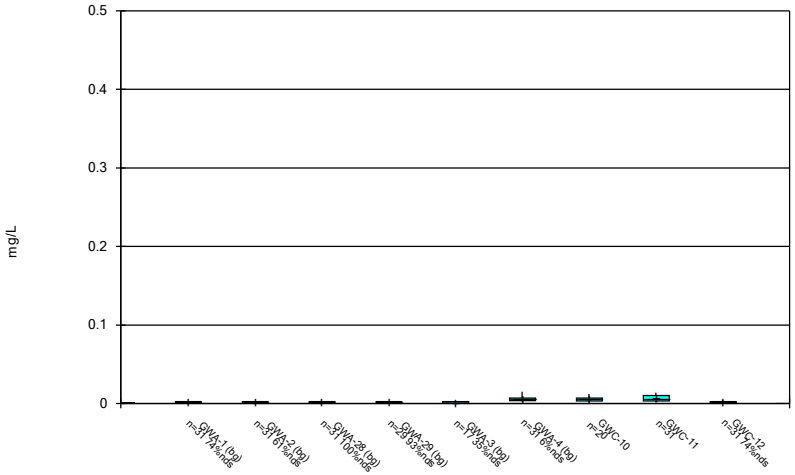
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Chromium Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

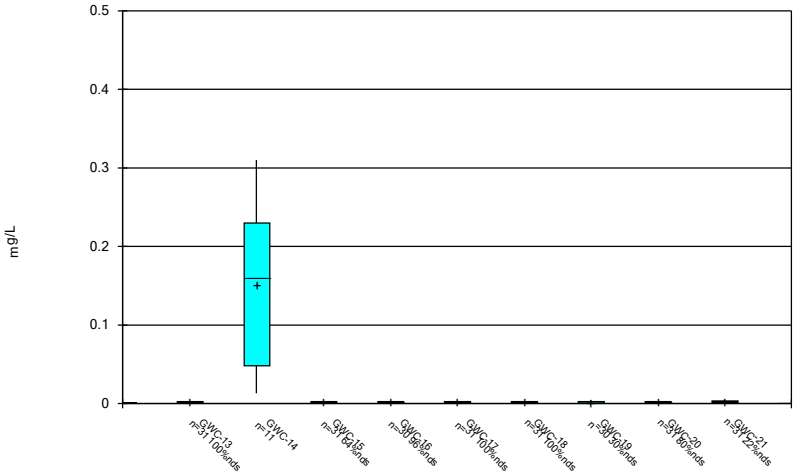
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

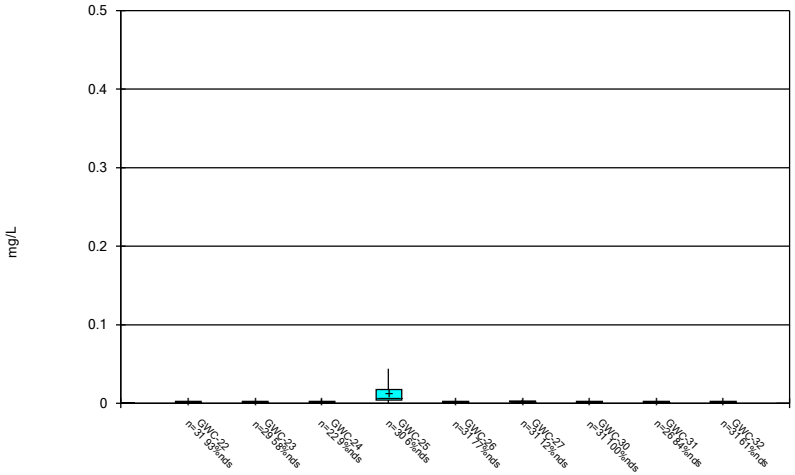
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

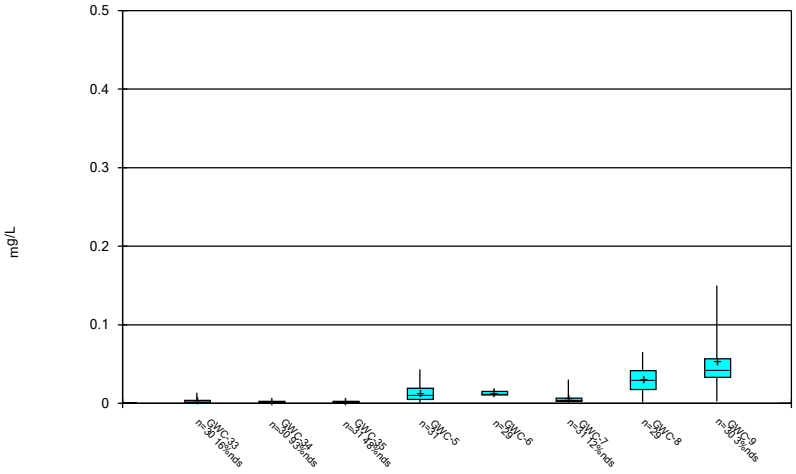
Box & Whiskers Plot



Constituent: Cobalt Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

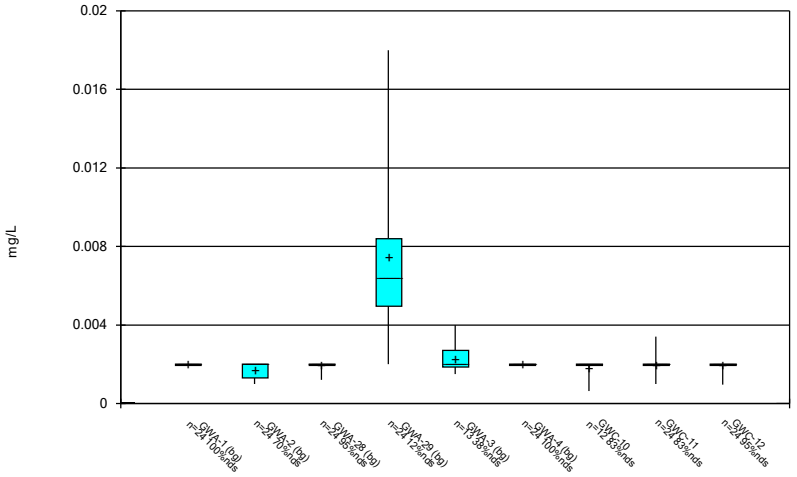
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Cobalt Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

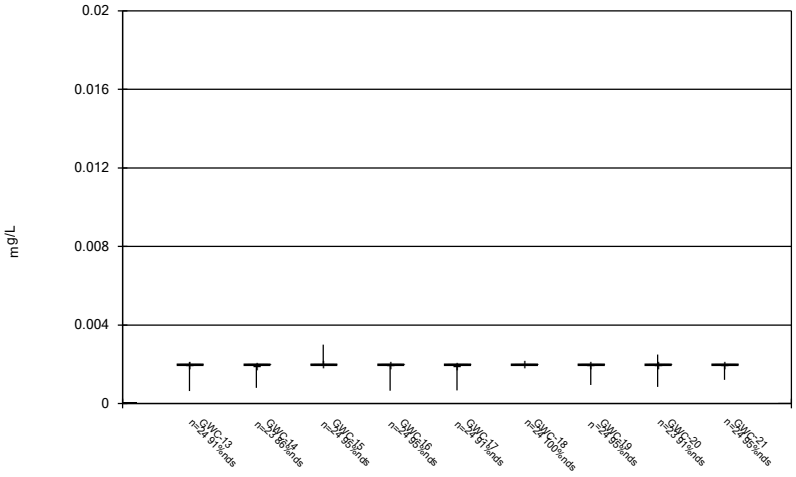
Box & Whiskers Plot



Constituent: Copper Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

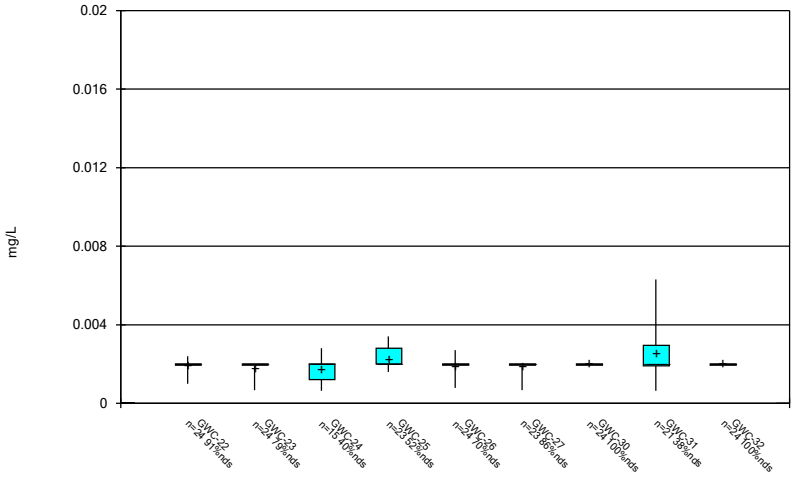
Box & Whiskers Plot



Constituent: Copper Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

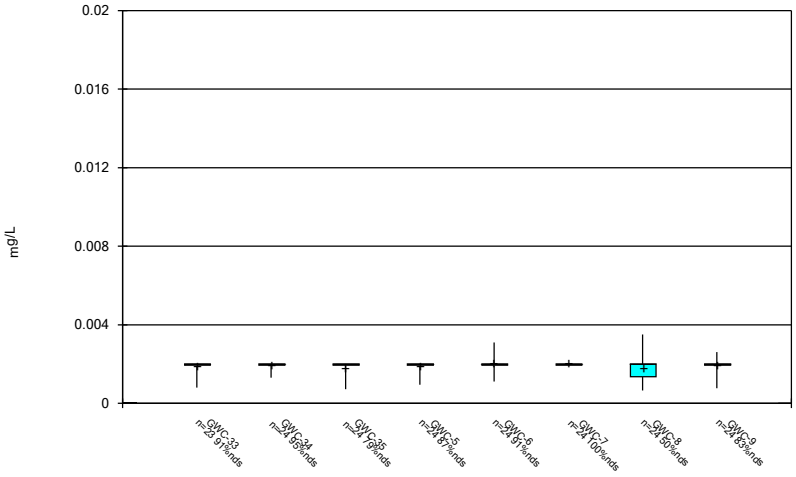
Box & Whiskers Plot



Constituent: Copper Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

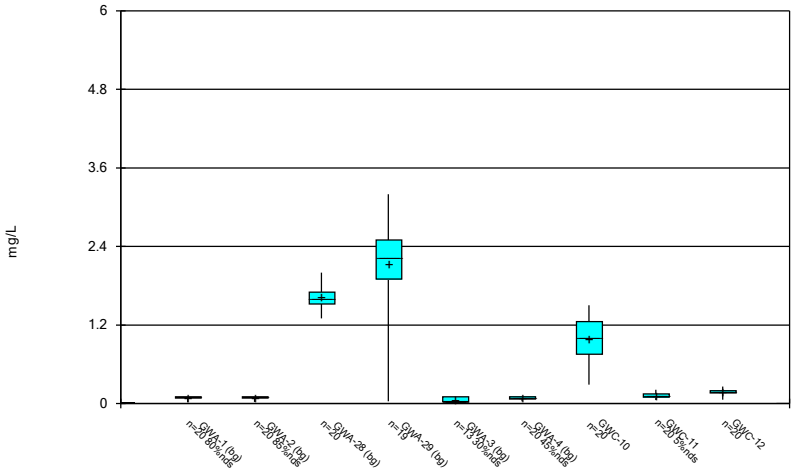
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Copper Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

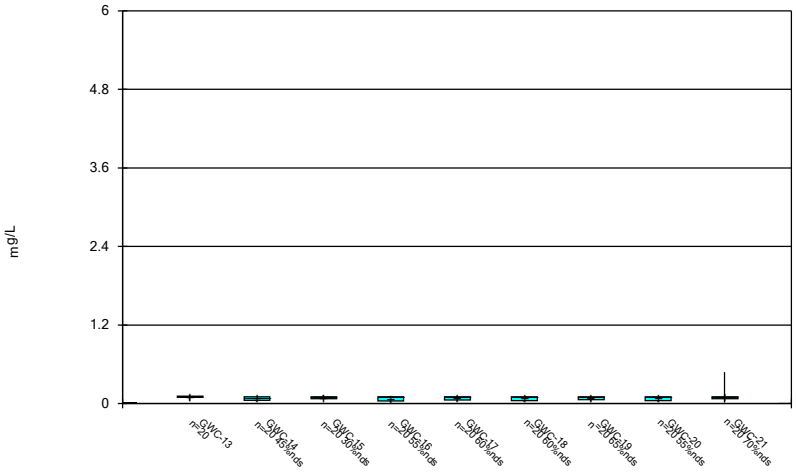
Box & Whiskers Plot



Constituent: Fluoride, total Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

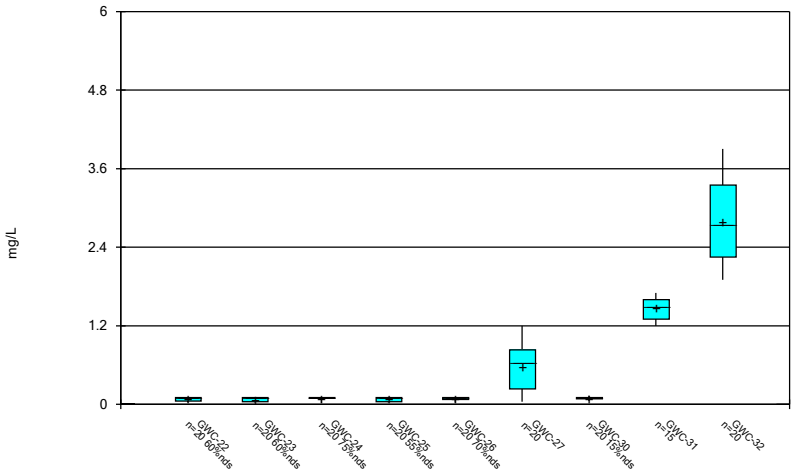
Box & Whiskers Plot



Constituent: Fluoride, total Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

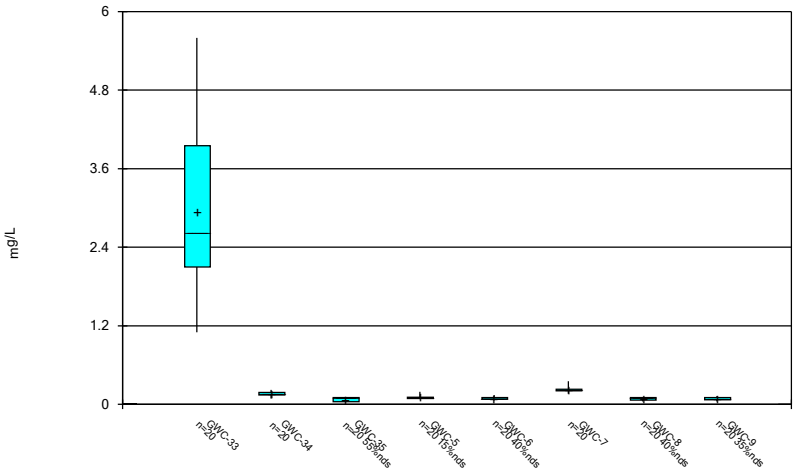
Box & Whiskers Plot



Constituent: Fluoride, total Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

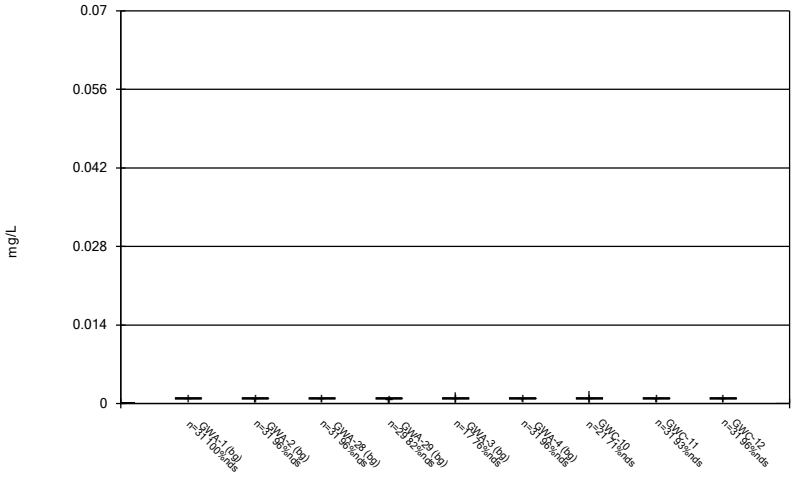
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Fluoride, total Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

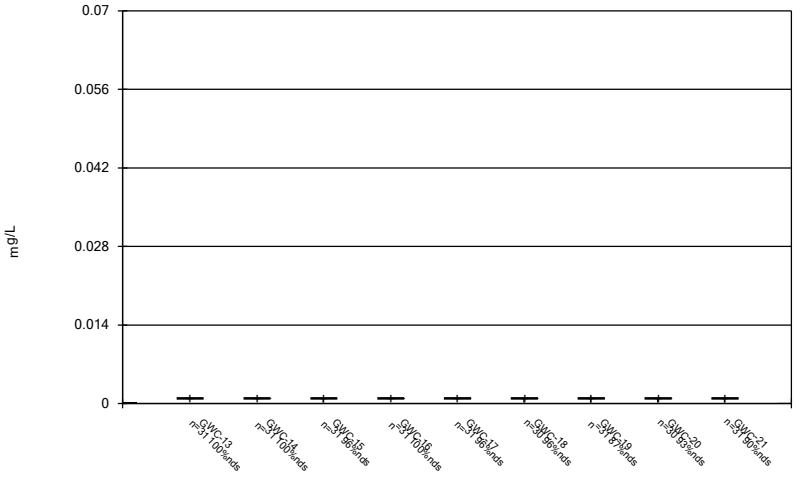
Box & Whiskers Plot



Constituent: Lead Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

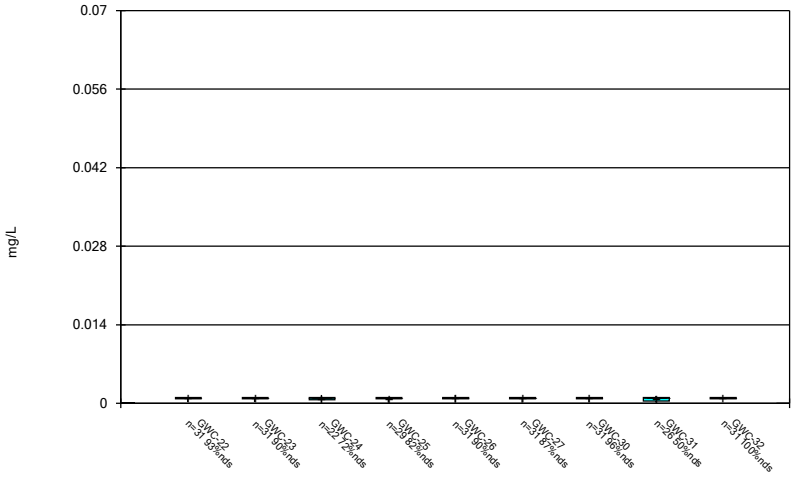
Box & Whiskers Plot



Constituent: Lead Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

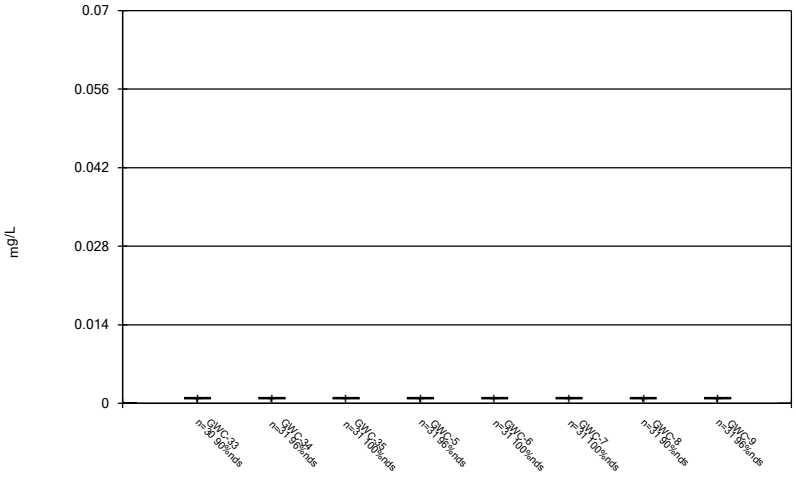
Box & Whiskers Plot



Constituent: Lead Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

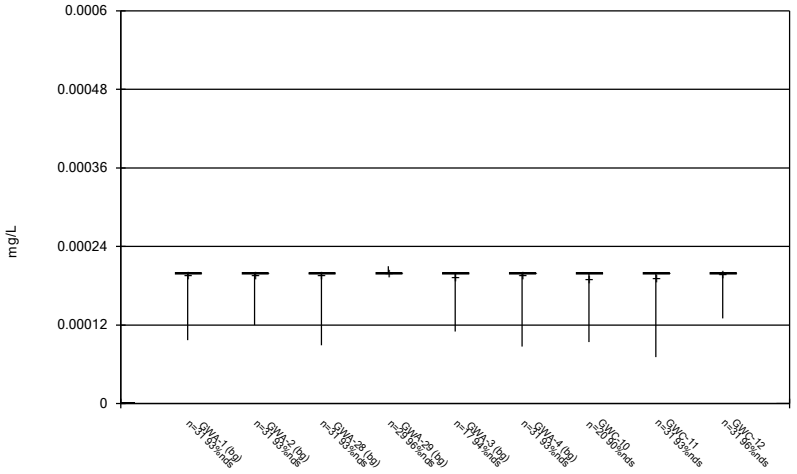
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Lead Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

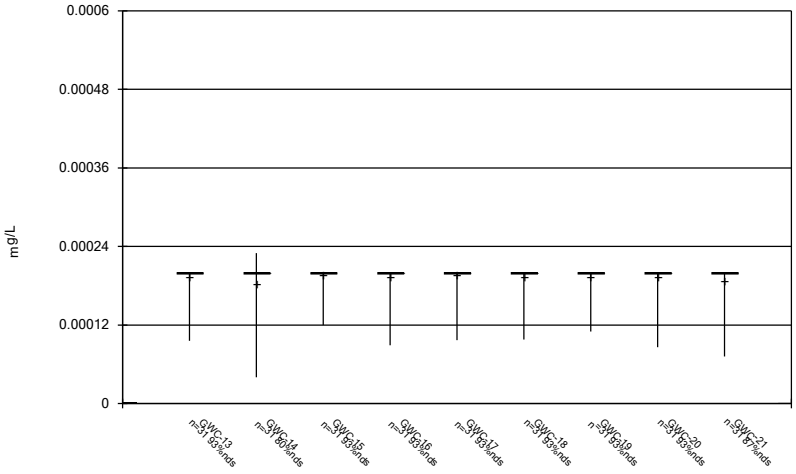
Box & Whiskers Plot



Constituent: Mercury Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

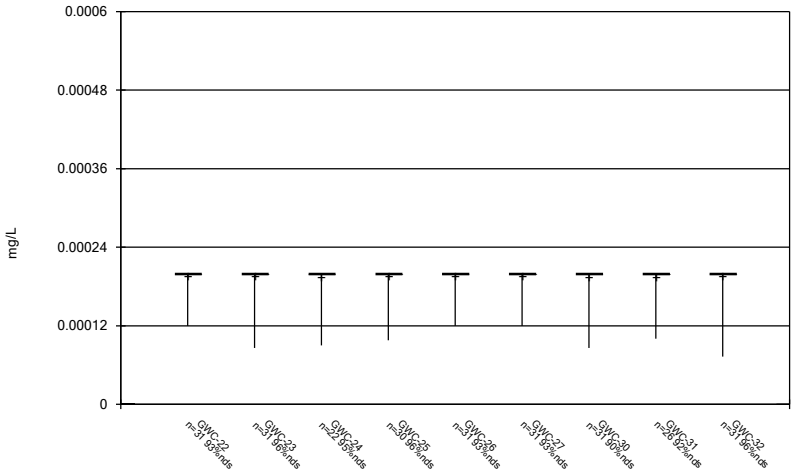
Box & Whiskers Plot



Constituent: Mercury Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

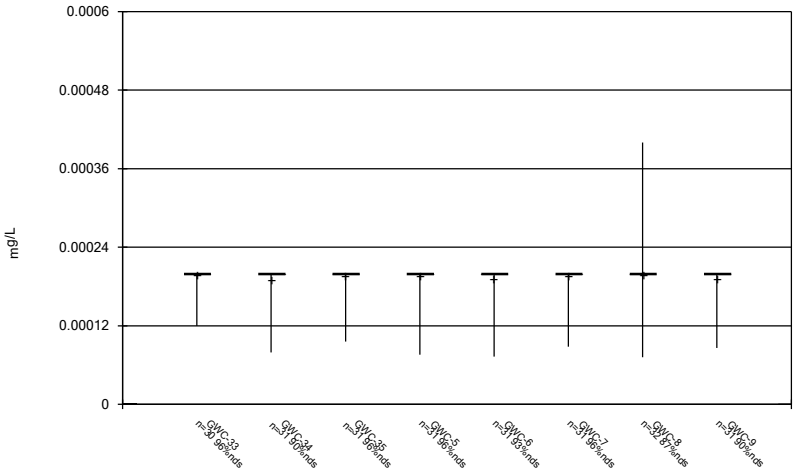
Box & Whiskers Plot



Constituent: Mercury Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

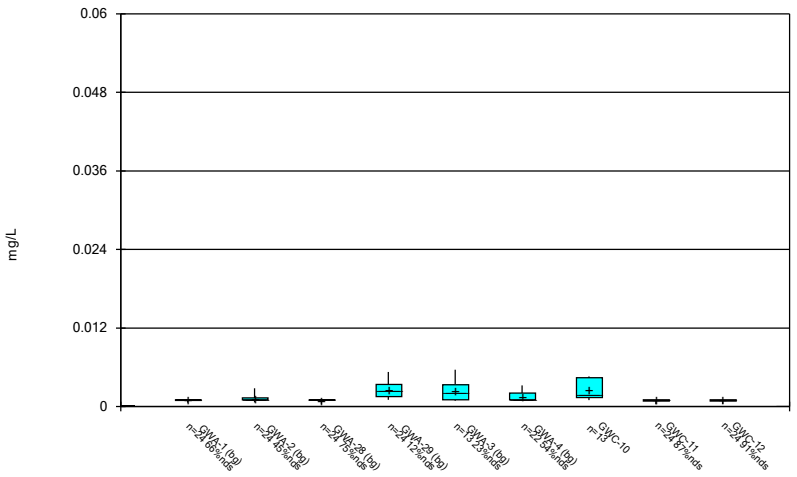
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Mercury Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

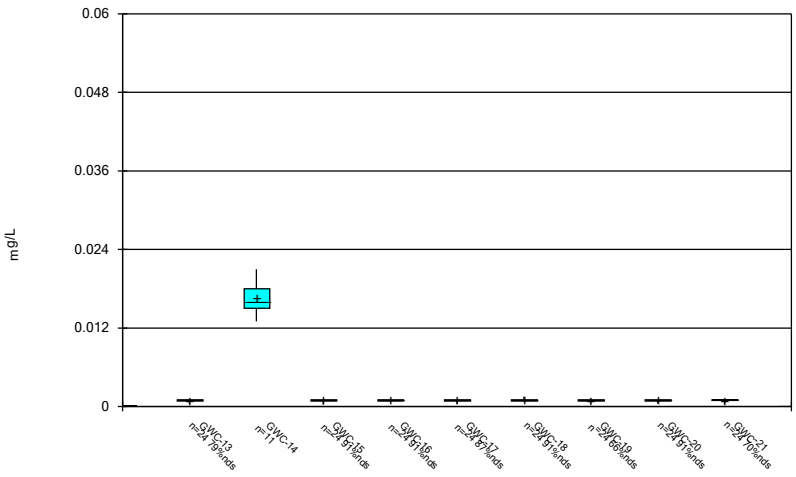
Box & Whiskers Plot



Constituent: Nickel Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

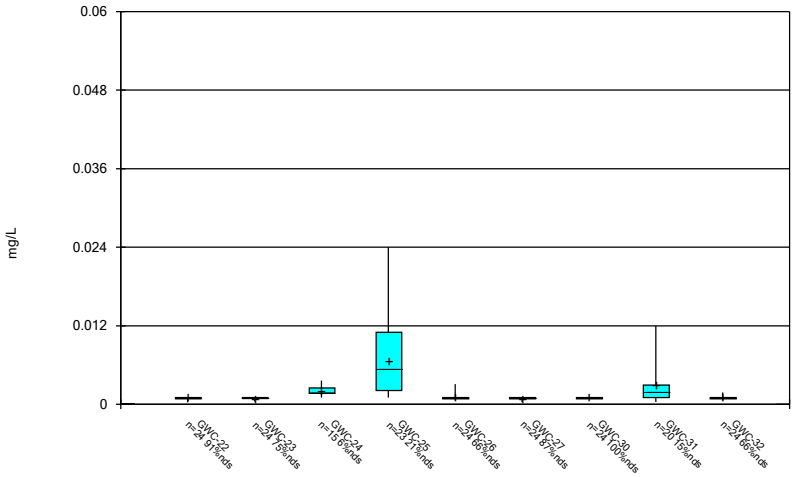
Box & Whiskers Plot



Constituent: Nickel Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

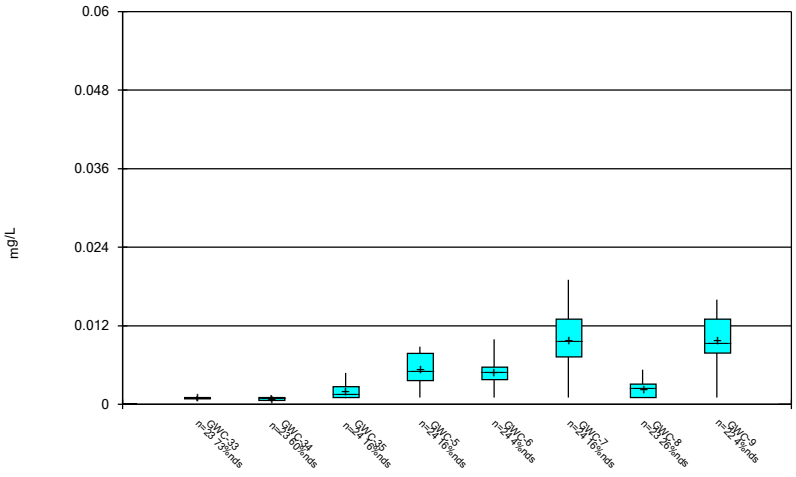
Box & Whiskers Plot



Constituent: Nickel Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

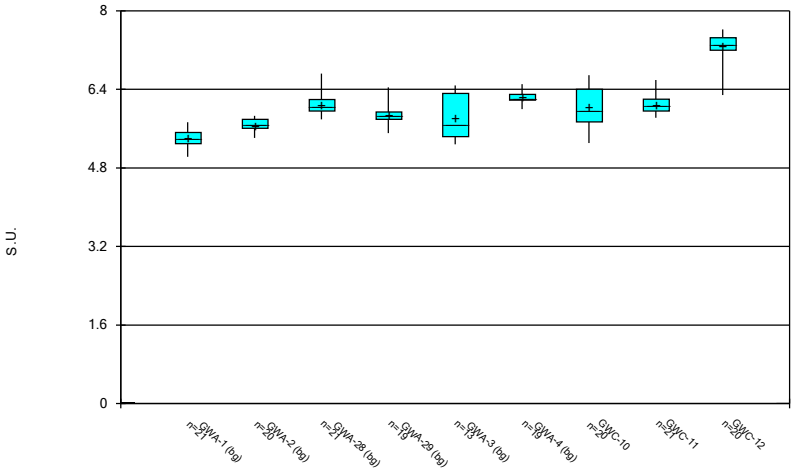
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Nickel Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

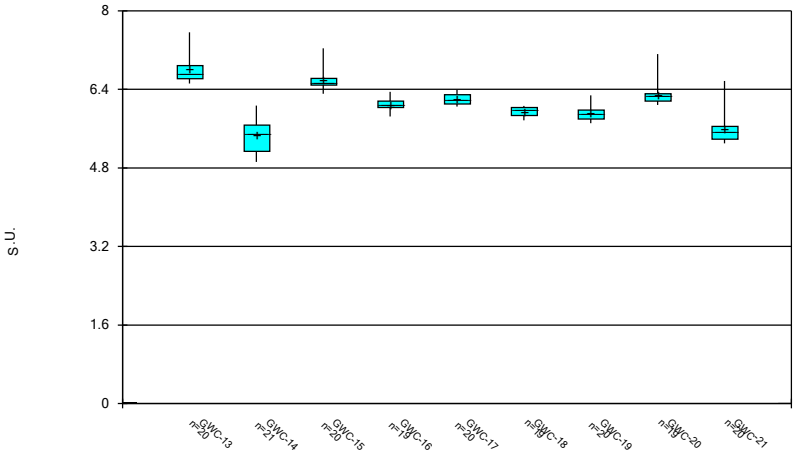
Box & Whiskers Plot



Constituent: pH, Field Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

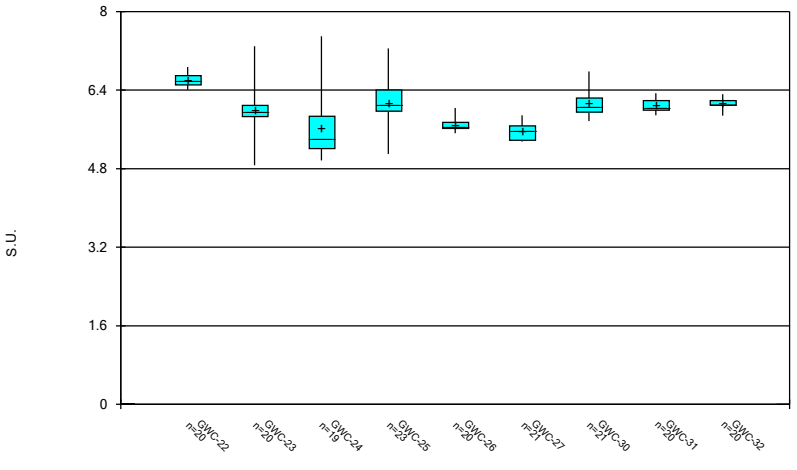
Box & Whiskers Plot



Constituent: pH, Field Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

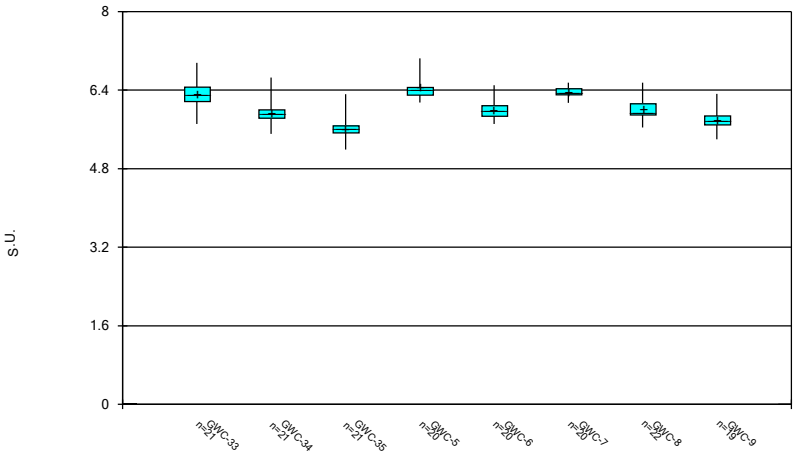
Box & Whiskers Plot



Constituent: pH, Field Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

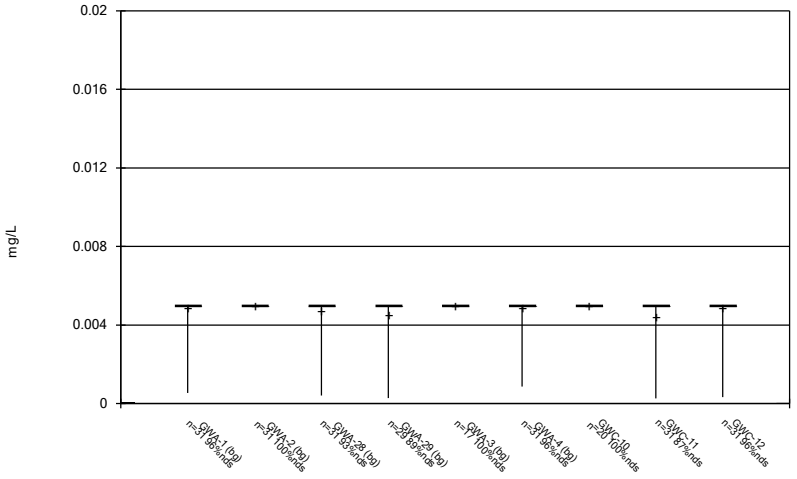
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: pH, Field Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

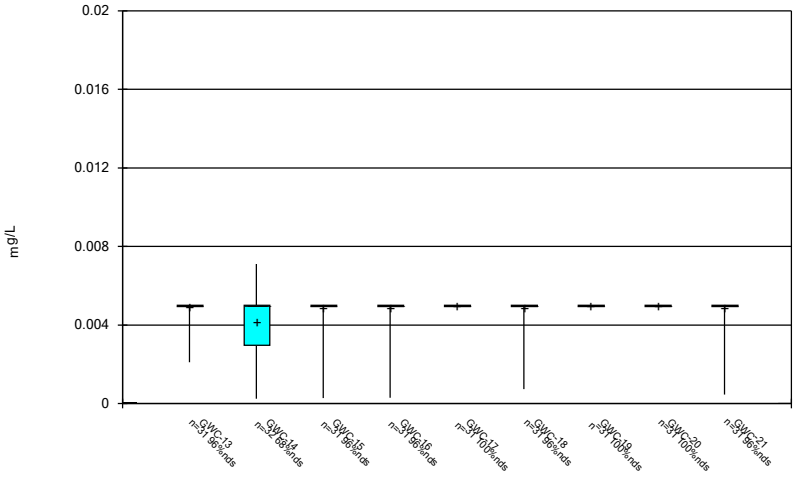
Box & Whiskers Plot



Constituent: Selenium Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

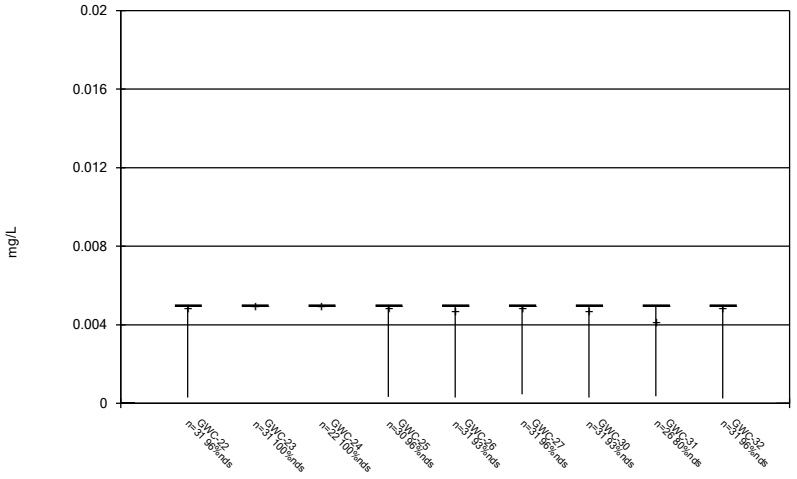
Box & Whiskers Plot



Constituent: Selenium Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

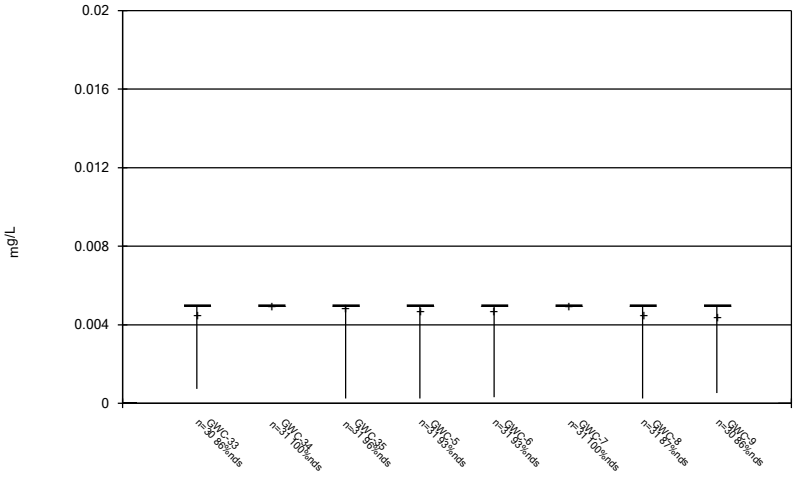
Box & Whiskers Plot



Constituent: Selenium Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

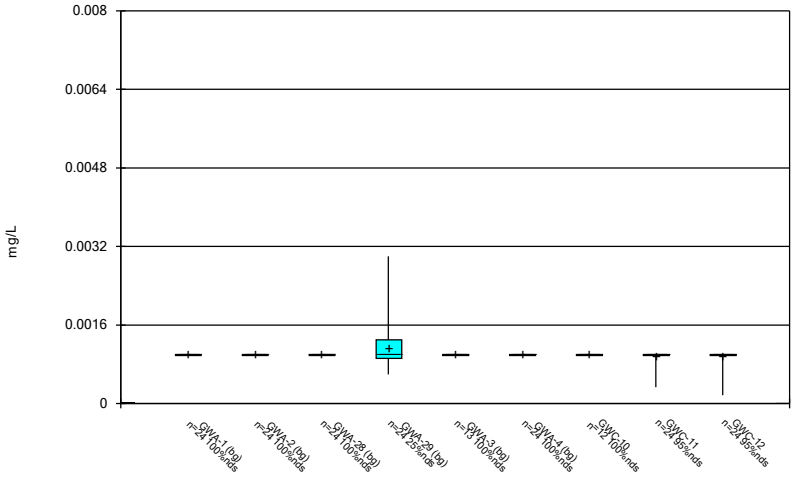
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Selenium Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

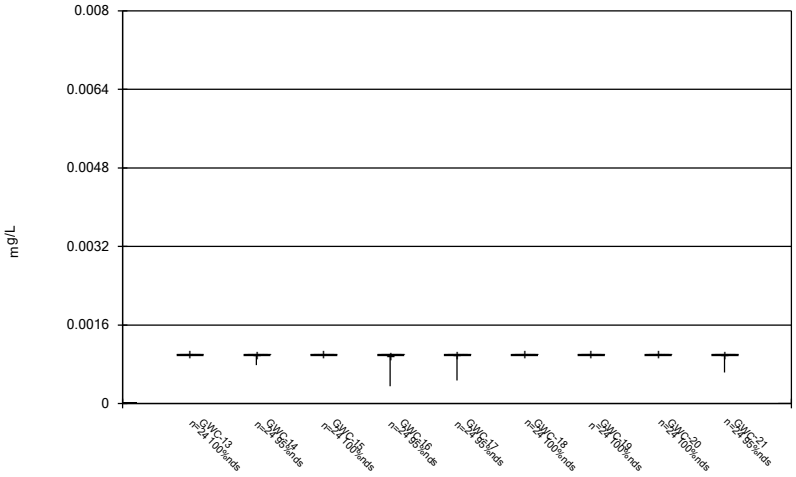
Box & Whiskers Plot



Constituent: Silver Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

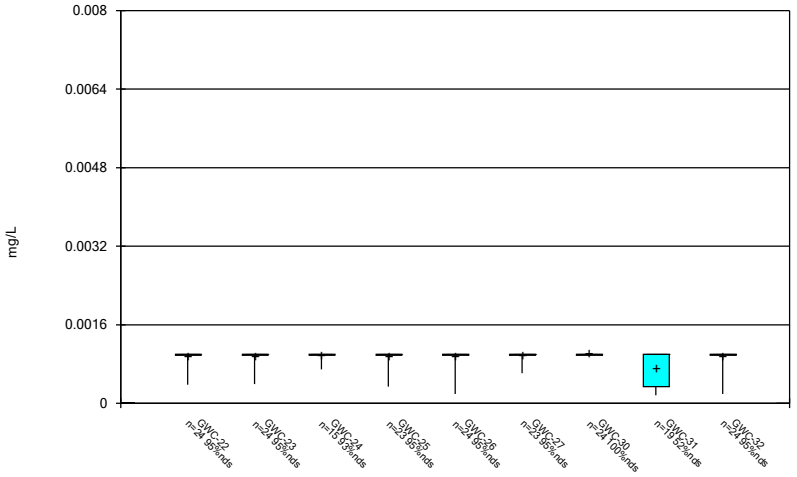
Box & Whiskers Plot



Constituent: Silver Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

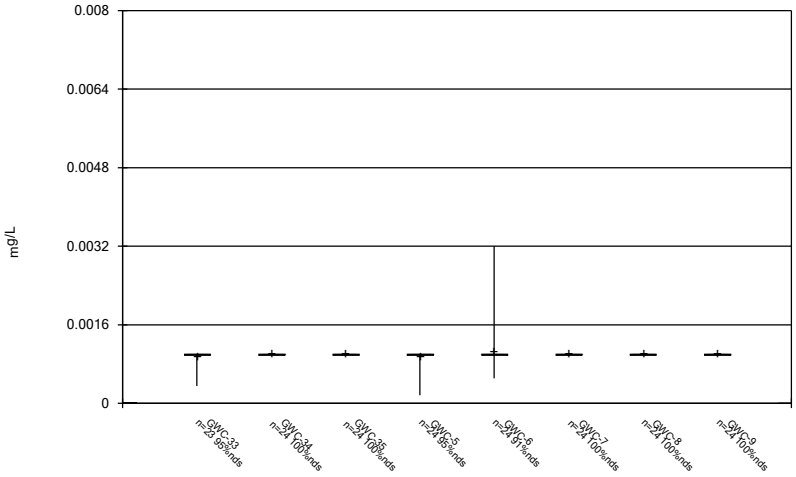
Box & Whiskers Plot



Constituent: Silver Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

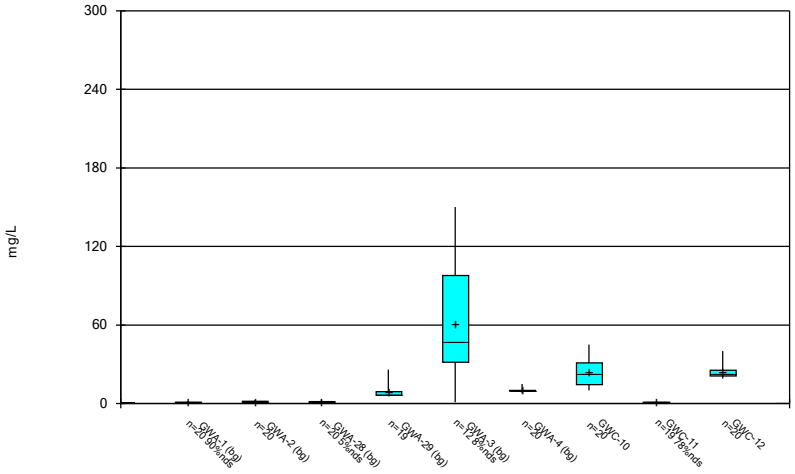
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Silver Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

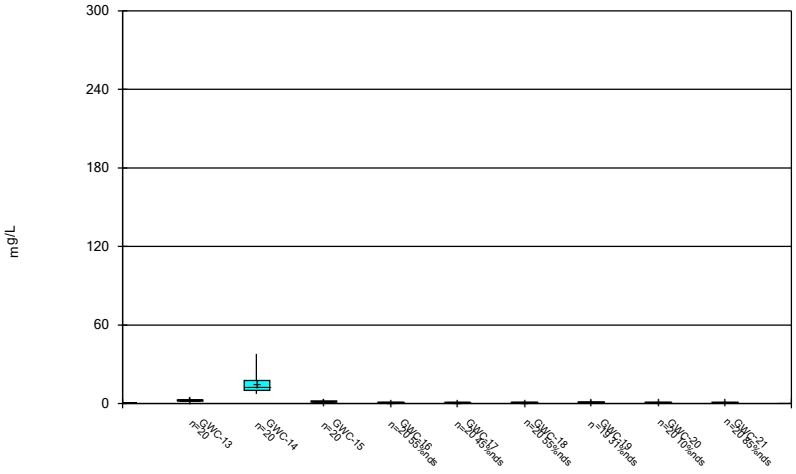
Box & Whiskers Plot



Constituent: Sulfate as SO4 Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

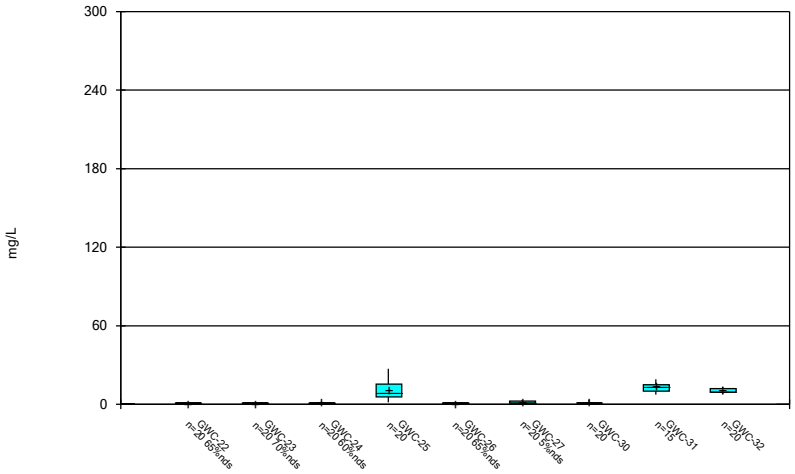
Box & Whiskers Plot



Constituent: Sulfate as SO4 Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

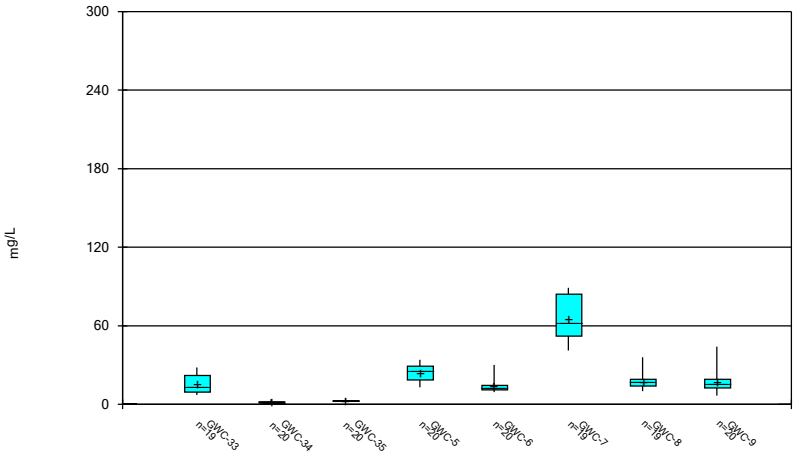
Box & Whiskers Plot



Constituent: Sulfate as SO4 Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

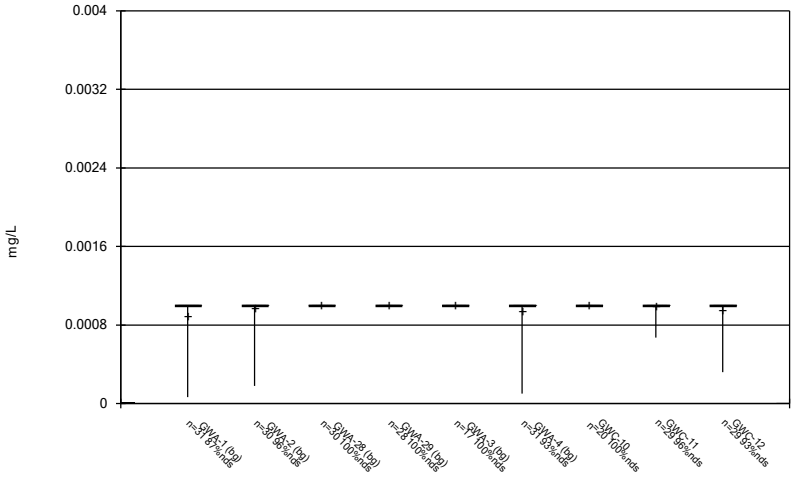
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Sulfate as SO4 Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

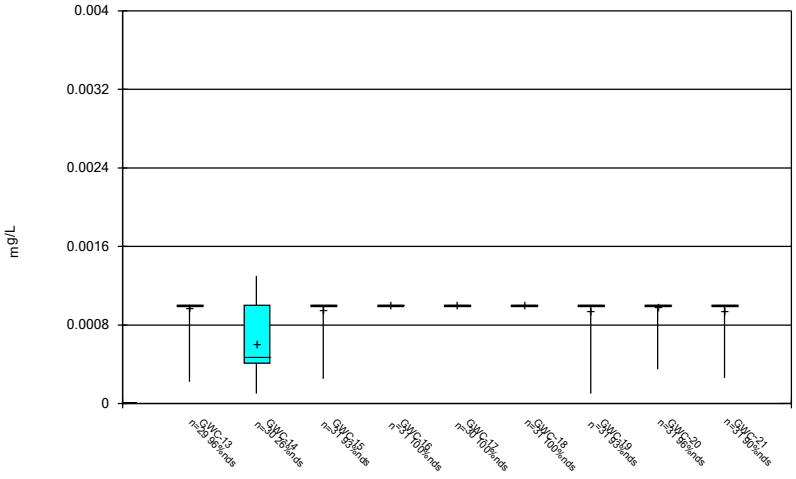
Box & Whiskers Plot



Constituent: Thallium Analysis Run 5/14/2022 12:26 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

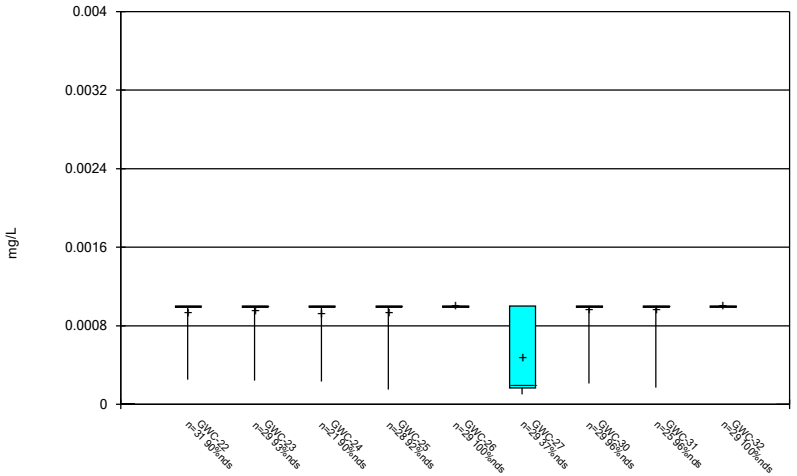
Box & Whiskers Plot



Constituent: Thallium Analysis Run 5/14/2022 12:27 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

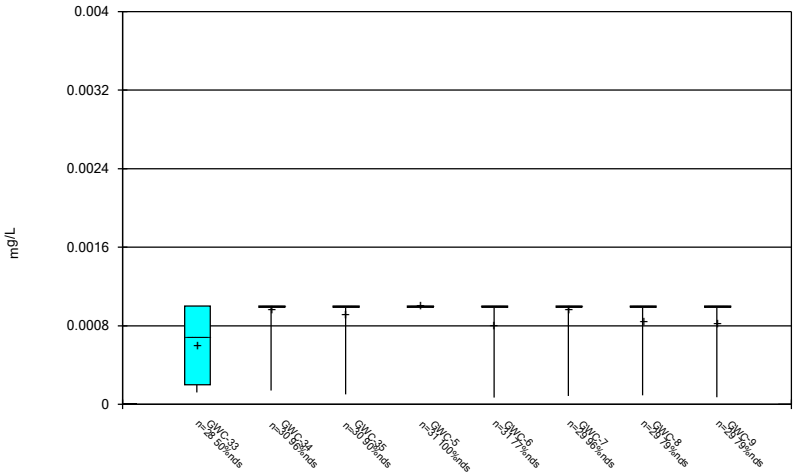
Box & Whiskers Plot



Constituent: Thallium Analysis Run 5/14/2022 12:27 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

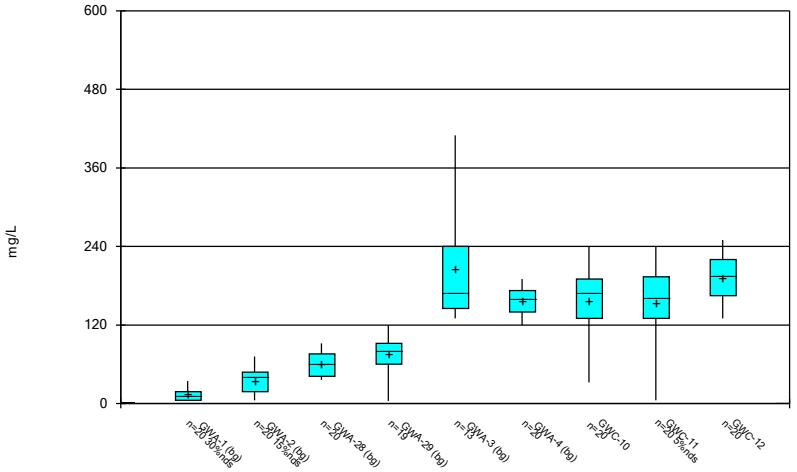
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Thallium Analysis Run 5/14/2022 12:27 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

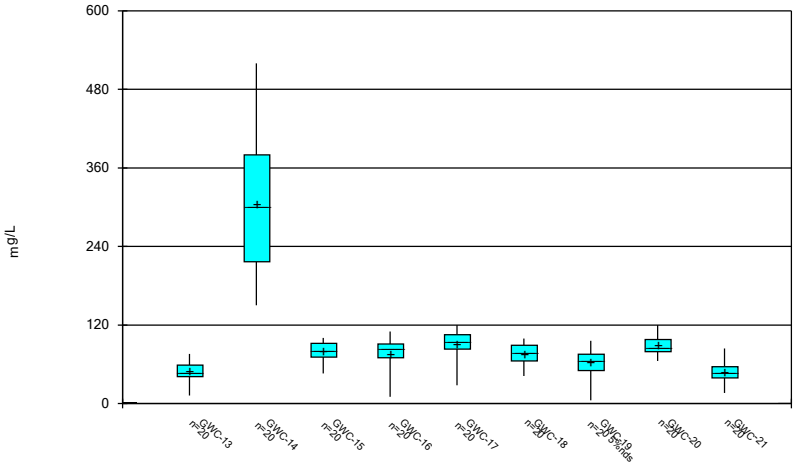
Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 5/14/2022 12:27 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

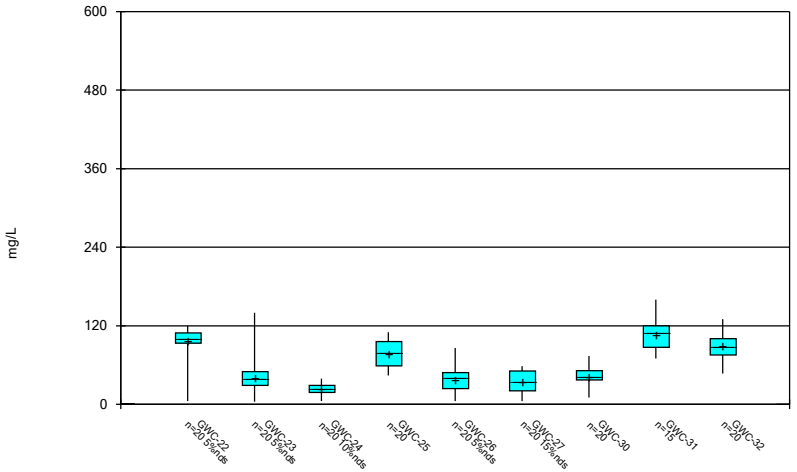
Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 5/14/2022 12:27 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

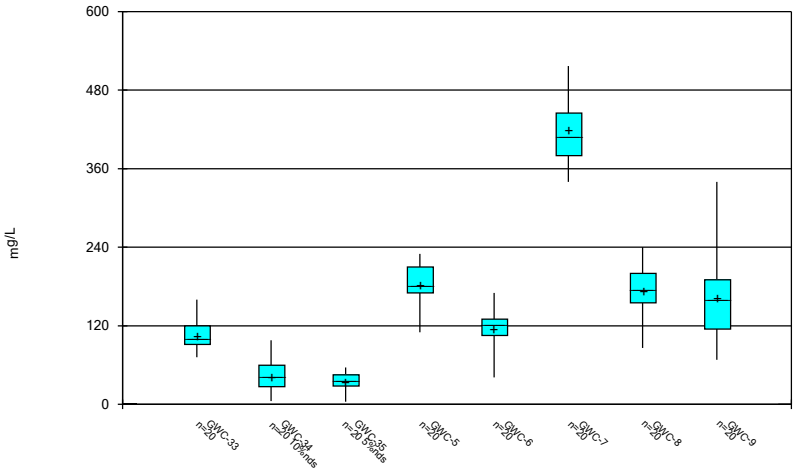
Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 5/14/2022 12:27 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

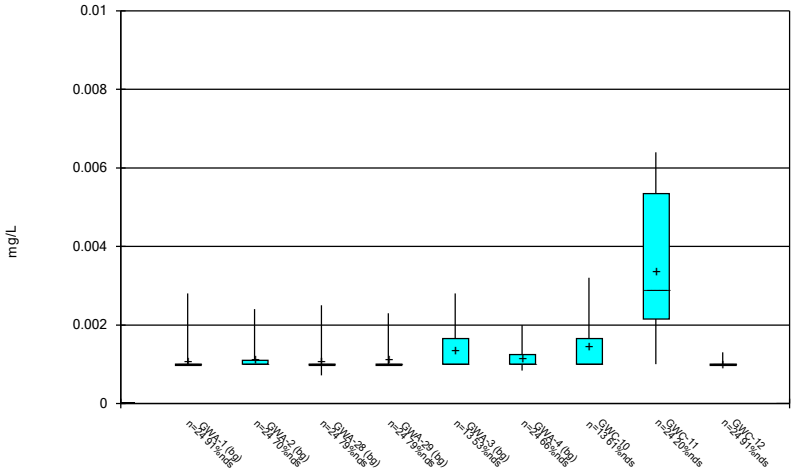
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 5/14/2022 12:27 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

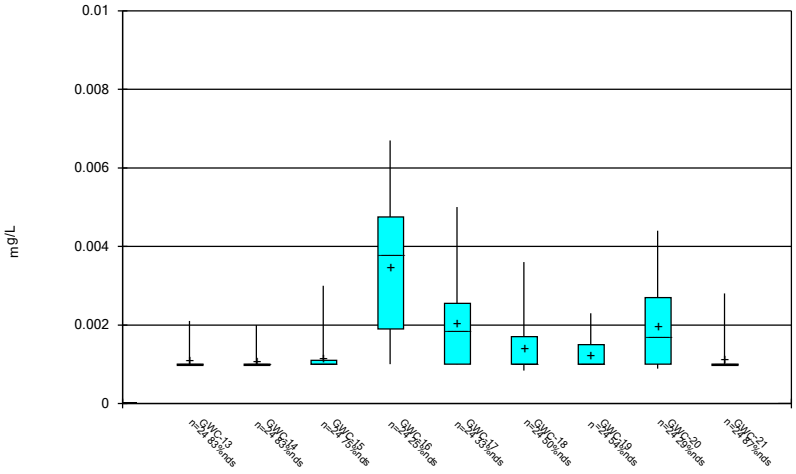
Box & Whiskers Plot



Constituent: Vanadium Analysis Run 5/14/2022 12:27 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

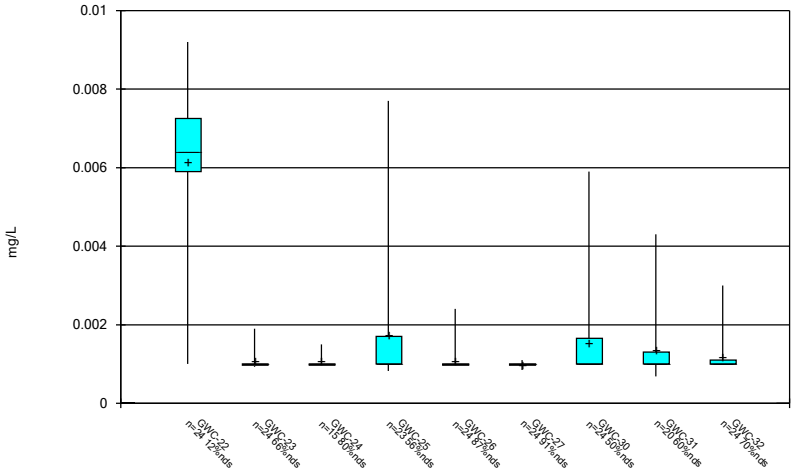
Box & Whiskers Plot



Constituent: Vanadium Analysis Run 5/14/2022 12:27 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

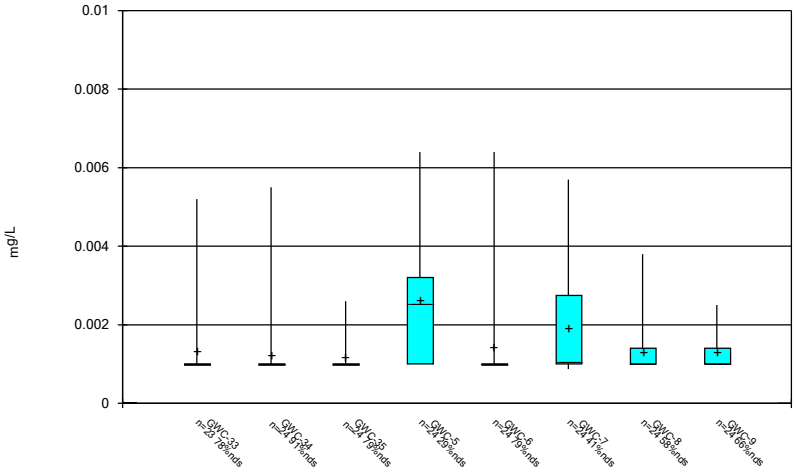
Box & Whiskers Plot



Constituent: Vanadium Analysis Run 5/14/2022 12:27 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

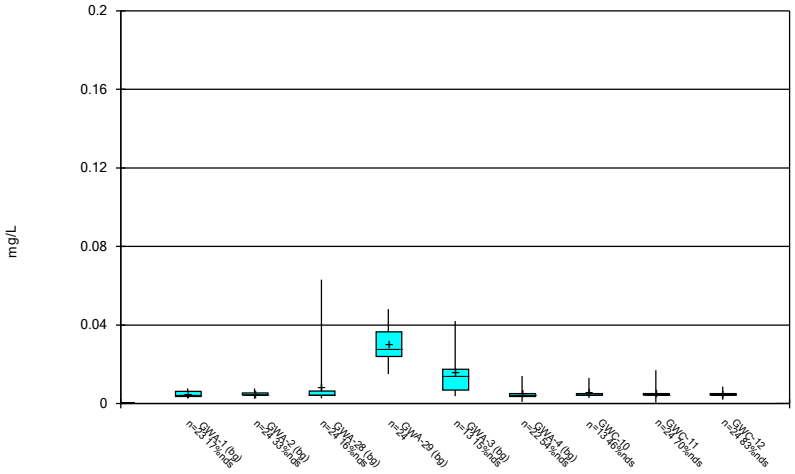
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Vanadium Analysis Run 5/14/2022 12:27 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

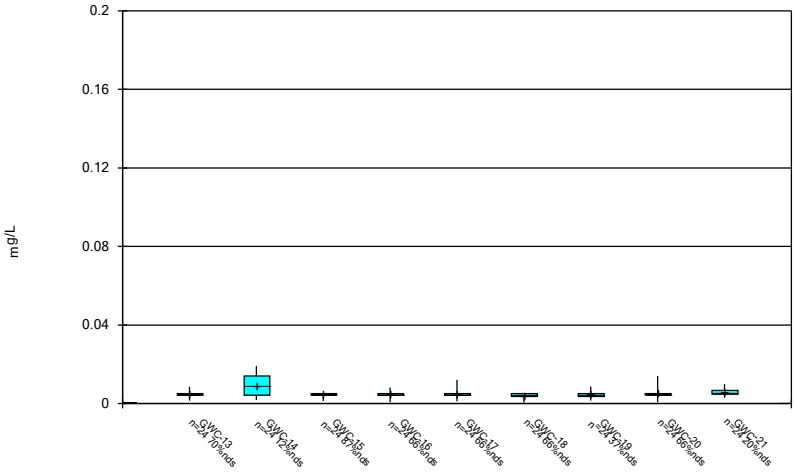
Box & Whiskers Plot



Constituent: Zinc Analysis Run 5/14/2022 12:27 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

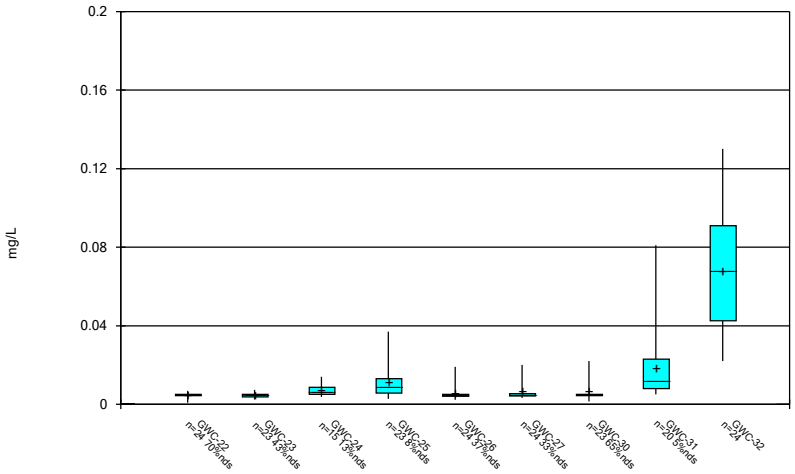
Box & Whiskers Plot



Constituent: Zinc Analysis Run 5/14/2022 12:27 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

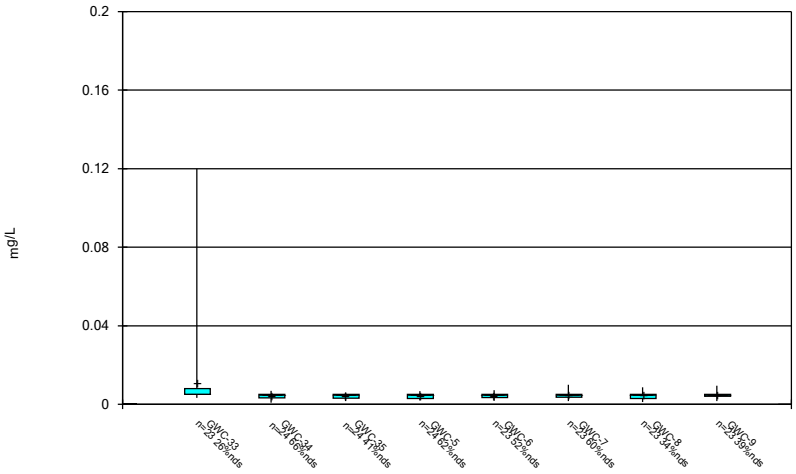
Box & Whiskers Plot



Constituent: Zinc Analysis Run 5/14/2022 12:27 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Box & Whiskers Plot



Constituent: Zinc Analysis Run 5/14/2022 12:27 PM View: Descriptive
Plant Wansley Client: Southern Company Data: Wansley Landfill

FIGURE C.

Outlier Summary

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 1:27 PM

	GWC-2 Arsenic (mg/L)	GWC-34 Barium (mg/L)	GWA-3 Calcium, total (mg/L)	GWC-33 Calcium, total (mg/L)	GWC-7 Chloride, Total (mg/L)	GWA-28 Chromium (mg/L)	GWA-29 Chromium (mg/L)	GWC-16 Chromium (mg/L)	GWC-25 Chromium (mg/L)	GWC-32 Chromium (mg/L)
8/30/2011										
9/7/2011										
9/16/2011										
10/27/2011										
10/30/2011										
12/5/2011										
12/13/2011										
2/7/2012									0.0065 (O)	
7/1/2014										
1/13/2015										
1/14/2015										
7/22/2015										
1/22/2016										
1/27/2016										
3/29/2016					8.5125 (O)					
3/31/2016										
5/19/2016							0.00684 (JO)			
7/22/2016										
9/15/2016						0.0082 (O)				
9/16/2016										
9/19/2016										
11/17/2016				55 (O)						
1/17/2017										
1/25/2017										
1/26/2017										
1/31/2017										
2/2/2017										
3/22/2017										
5/2/2017									0.015 (O)	
5/3/2017	0.0024 (O)									
8/3/2017		0.031 (O)								0.0053 (O)
8/7/2017										
10/3/2017			91 (o)							
1/25/2019								0.0038 (o)		
1/31/2019										
6/25/2019								0.0045 (o)		
9/11/2019								0.0043 (o)		
9/12/2019										
3/10/2020										
3/12/2020										
9/9/2020										
9/10/2020										
3/15/2021							0.021 (o)			
3/16/2021										
3/18/2021										
8/23/2021										

Outlier Summary

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 1:27 PM

	GWC-5Chromium (mg/L)	GWC-9 Chromium (mg/L)	GWC-14 Cobalt (mg/L)	GWC-16 Cobalt (mg/L)	GWC-19 Cobalt (mg/L)	GWC-23 Cobalt (mg/L)	GWC-34 Cobalt (mg/L)	GWC-6 Cobalt (mg/L)	GWC-8 Cobalt (mg/L)	GWC-9 Cobalt (mg/L)
8/30/2011				0.0033 (O)						
9/7/2011									0.14 (O)	0.27 (O)
9/16/2011						0.0037 (O)				
10/27/2011			0.044 (O)							
10/30/2011								0.037 (o)		
12/5/2011								0.029 (o)	0.17 (O)	
12/13/2011						0.003 (O)				
2/7/2012										
7/1/2014										
1/13/2015										
1/14/2015										
7/22/2015										
1/22/2016										
1/27/2016										
3/29/2016										
3/31/2016										
5/19/2016										
7/22/2016										
9/15/2016										
9/16/2016										
9/19/2016										
11/17/2016										
1/17/2017										
1/25/2017										
1/26/2017										
1/31/2017										
2/2/2017					0.011 (O)					
3/22/2017	0.024 (O)									
5/2/2017										
5/3/2017										
8/3/2017							0.027 (O)			
8/7/2017										
10/3/2017										
1/25/2019										
1/31/2019										
6/25/2019										
9/11/2019										
9/12/2019										
3/10/2020										
3/12/2020										
9/9/2020										
9/10/2020										
3/15/2021										
3/16/2021		0.0073 (o)								
3/18/2021										
8/23/2021										

Outlier Summary

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 1:27 PM

	GWC-10 Copper (mg/L)	GWC-14 Copper (mg/L)	GWC-20 Copper (mg/L)	GWC-25 Copper (mg/L)	GWC-27 Copper (mg/L)	GWC-18 Lead (mg/L)	GWC-20 Lead (mg/L)	GWC-25 Lead (mg/L)	GWA-4 Nickel (mg/L)	GWC-34 Nickel (mg/L)
8/30/2011										
9/7/2011										
9/16/2011										
10/27/2011										
10/30/2011										
12/5/2011										
12/13/2011										
2/7/2012										
7/1/2014										
1/13/2015						0.0026 (JO)				
1/14/2015									0.0073 (O)	
7/22/2015										
1/22/2016					0.0038 (JO)					
1/27/2016		0.0068 (O)								
3/29/2016										
3/31/2016										
5/19/2016										
7/22/2016										
9/15/2016										
9/16/2016										
9/19/2016										
11/17/2016										
1/17/2017									0.007 (o)	
1/25/2017										
1/26/2017										
1/31/2017										
2/2/2017										
3/22/2017										
5/2/2017								0.0021 (O)		
5/3/2017										
8/3/2017										0.012 (O)
8/7/2017			0.0054 (O)				0.011 (O)			
10/3/2017										
1/25/2019										
1/31/2019										
6/25/2019										
9/11/2019				0.0072 (o)						
9/12/2019										
3/10/2020										
3/12/2020										
9/9/2020										
9/10/2020	0.0083 (o)									
3/15/2021										
3/16/2021										
3/18/2021										
8/23/2021										

Outlier Summary

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 1:27 PM

	GWC-8 Nickel (mg/L)	GWC-9 Nickel (mg/L)	GWA-2 pH, Field (S.U.)	GWC-16 pH, Field (S.U.)	GWC-17 pH, Field (S.U.)	GWC-32 pH, Field (S.U.)	GWC-9 Selenium (mg/L)	GWC-10 Silver (mg/L)	GWC-31 Silver (mg/L)	GWA-3 Sulfate as SO4 (mg/L)
8/30/2011										
9/7/2011		0.029 (O)					0.015 (O)			
9/16/2011										
10/27/2011										
10/30/2011										
12/5/2011										
12/13/2011										
2/7/2012										
7/1/2014									0.0039 (O)	
1/13/2015										
1/14/2015										
7/22/2015										
1/22/2016										
1/27/2016										
3/29/2016										
3/31/2016										202.982 (o)
5/19/2016										
7/22/2016						7.552699 (O)				
9/15/2016			7.195292 (O)							
9/16/2016				7.5561 (O)						
9/19/2016					7.948709 (O)					
11/17/2016										
1/17/2017										
1/25/2017										
1/26/2017										
1/31/2017		0.055 (O)								
2/2/2017										
3/22/2017										
5/2/2017										
5/3/2017										
8/3/2017										
8/7/2017	0.011 (o)									
10/3/2017										
1/25/2019										
1/31/2019								0.0055 (o)		
6/25/2019										
9/11/2019									0.0078 (o)	
9/12/2019										
3/10/2020										
3/12/2020										
9/9/2020										
9/10/2020										
3/15/2021										
3/16/2021										
3/18/2021										
8/23/2021										

Outlier Summary

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 1:27 PM

	GWC-11 Sulfate as SO4 (mg/L)	GWC-19 Sulfate as SO4 (mg/L)	GWC-33 Sulfate as SO4 (mg/L)	GWC-7 Sulfate as SO4 (mg/L)	GWC-8 Sulfate as SO4 (mg/L)	GWC-14 Thallium (mg/L)	GWA-1 Zinc (mg/L)	GWA-4 Zinc (mg/L)	GWC-10 Zinc (mg/L)	GWC-23 Zinc (mg/L)
8/30/2011										
9/7/2011										
9/16/2011										
10/27/2011										
10/30/2011										
12/5/2011										
12/13/2011										
2/7/2012										
7/1/2014										
1/13/2015										
1/14/2015										
7/22/2015						0.003 (JO)				
1/22/2016										
1/27/2016										
3/29/2016				22.385 (JO)						
3/31/2016										
5/19/2016										
7/22/2016										
9/15/2016										
9/16/2016										
9/19/2016										
11/17/2016										
1/17/2017										
1/25/2017			50 (o)							
1/26/2017					49 (o)					
1/31/2017	3.7 (o)									
2/2/2017		8.6 (o)								
3/22/2017										
5/2/2017										
5/3/2017										
8/3/2017										
8/7/2017										
10/3/2017										
1/25/2019										
1/31/2019										
6/25/2019										
9/11/2019										
9/12/2019										
3/10/2020								0.052 (o)		
3/12/2020										
9/9/2020							0.078 (o)			
9/10/2020									0.13 (o)	
3/15/2021								0.044 (o)		
3/16/2021										
3/18/2021										
8/23/2021										0.032 (o)

Outlier Summary

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 1:27 PM

	GWC-5 Zinc (mg/L)	GWC-6 Zinc (mg/L)	GWC-7 Zinc (mg/L)	GWC-8 Zinc (mg/L)	GWC-9 Zinc (mg/L)
8/30/2011					
9/7/2011					0.016 (O)
9/16/2011					
10/27/2011					
10/30/2011					
12/5/2011					
12/13/2011					
2/7/2012					
7/1/2014					
1/13/2015					
1/14/2015					
7/22/2015					
1/22/2016					
1/27/2016					
3/29/2016					
3/31/2016					
5/19/2016					
7/22/2016					
9/15/2016					
9/16/2016					
9/19/2016					
11/17/2016					
1/17/2017					
1/25/2017					
1/26/2017					
1/31/2017					
2/2/2017					
3/22/2017					
5/2/2017					
5/3/2017					
8/3/2017					
8/7/2017					
10/3/2017					
1/25/2019					
1/31/2019					
6/25/2019					
9/11/2019					
9/12/2019		0.049 (o)			
3/10/2020					
3/12/2020			0.038 (o)	0.044 (o)	
9/9/2020					
9/10/2020					
3/15/2021					
3/16/2021					
3/18/2021	0.078 (o)				
8/23/2021					

Tukey's Outlier Test All Wells - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 10:33 AM

Constituent	Well	Outlier	Value(s)	Method	N	Mean	Std. Dev.	Distribution	Normality Test
Barium (mg/L)	GWC-30	Yes	0.013	NP	30	0.007501	0.001557	ln(x)	ShapiroWilk
Chromium (mg/L)	GWC-16	Yes	0.005,0.005,0.0045,0.0043	NP	30	0.00273	0.00085	ln(x)	ShapiroWilk
Chromium (mg/L)	GWC-22	Yes	0.0011,0.0011,0.0011,0.0027,0.003,0.0026	NP	30	0.001933	0.0004097	normal	ShapiroWilk
Chromium (mg/L)	GWC-9	Yes	0.0073	NP	30	0.002463	0.001117	ln(x)	ShapiroWilk
Cobalt (mg/L)	GWC-26	Yes	0.00041,0.00061,0.00012,0.00012,0.00017,0.00015	NP	30	0.002029	0.0009109	sqrt(x)	ShapiroWilk
Cobalt (mg/L)	GWC-9	Yes	0.0025	NP	29	0.05489	0.03612	x^(1/3)	ShapiroWilk
Copper (mg/L)	GWC-25	Yes	0.0072,0.0016	NP	23	0.002735	0.001069	ln(x)	ShapiroWilk
Nickel (mg/L)	GWA-4 (bg)	Yes	0.007,0.0012	NP	22	0.002536	0.00108	ln(x)	ShapiroWilk
Nickel (mg/L)	GWC-8	Yes	0.011	NP	23	0.003174	0.001905	ln(x)	ShapiroWilk
pH, Field (S.U.)	GWC-20	Yes	7.121	NP	18	6.307	0.2384	ln(x)	ShapiroWilk
pH, Field (S.U.)	GWC-21	Yes	6.575	NP	19	5.603	0.2963	ln(x)	ShapiroWilk
pH, Field (S.U.)	GWC-23	Yes	4.87,7.295	NP	19	6.014	0.4285	sqrt(x)	ShapiroWilk
pH, Field (S.U.)	GWC-34	Yes	6.66	NP	20	5.931	0.2259	ln(x)	ShapiroWilk
pH, Field (S.U.)	GWC-35	Yes	6.32	NP	20	5.601	0.2103	ln(x)	ShapiroWilk
pH, Field (S.U.)	GWC-5	Yes	7.05,7.043	NP	19	6.482	0.2909	ln(x)	ShapiroWilk
Sulfate as SO4 (mg/L)	GWA-4 (bg)	Yes	15,7.7	NP	19	9.959	1.524	ln(x)	ShapiroWilk
Sulfate as SO4 (mg/L)	GWC-13	Yes	4.5	NP	19	2.645	0.5086	ln(x)	ShapiroWilk
Sulfate as SO4 (mg/L)	GWC-24	Yes	2.3	NP	19	0.9789	0.3582	ln(x)	ShapiroWilk
Sulfate as SO4 (mg/L)	GWC-30	Yes	3.3	NP	19	1.336	0.5023	ln(x)	ShapiroWilk
Sulfate as SO4 (mg/L)	GWC-34	Yes	3.8	NP	19	1.617	0.5636	ln(x)	ShapiroWilk
Sulfate as SO4 (mg/L)	GWC-35	Yes	4.7	NP	19	2.653	0.5479	ln(x)	ShapiroWilk
Vanadium (mg/L)	GWA-2 (bg)	Yes	0.0024,0.0016,0.0018	NP	23	0.001152	0.0003423	ln(x)	ShapiroWilk
Vanadium (mg/L)	GWC-15	Yes	0.003	NP	23	0.001183	0.0004559	ln(x)	ShapiroWilk
Vanadium (mg/L)	GWC-17	Yes	0.001,0.0014,0.0044,0.005	NP	23	0.002578	0.000911	ln(x)	ShapiroWilk
Vanadium (mg/L)	GWC-31	Yes	0.0043	NP	19	0.001352	0.0008496	ln(x)	ShapiroWilk
Vanadium (mg/L)	GWC-32	Yes	0.0016,0.003,0.0021	NP	23	0.001187	0.0004703	ln(x)	ShapiroWilk
Vanadium (mg/L)	GWC-33	Yes	0.0052,0.003	NP	22	0.00135	0.0009699	ln(x)	ShapiroWilk
Vanadium (mg/L)	GWC-7	Yes	0.0057	NP	23	0.002535	0.001037	sqrt(x)	ShapiroWilk
Zinc (mg/L)	GWA-1 (bg)	Yes	0.078	NP	24	0.007858	0.01501	ln(x)	ShapiroWilk
Zinc (mg/L)	GWA-4 (bg)	Yes	0.00085,0.052,0.044	NP	23	0.008824	0.01271	ln(x)	ShapiroWilk
Zinc (mg/L)	GWC-10	Yes	0.013,0.011	NP	12	0.0057	0.00305	ln(x)	ShapiroWilk
Zinc (mg/L)	GWC-13	Yes	0.0085	NP	23	0.004548	0.001423	normal	ShapiroWilk
Zinc (mg/L)	GWC-17	Yes	0.012	NP	23	0.004609	0.002038	x^(1/3)	ShapiroWilk
Zinc (mg/L)	GWC-23	Yes	0.032	NP	23	0.005822	0.005815	ln(x)	ShapiroWilk
Zinc (mg/L)	GWC-26	Yes	0.019,0.015	NP	23	0.005752	0.003819	ln(x)	ShapiroWilk
Zinc (mg/L)	GWC-27	Yes	0.02	NP	23	0.006313	0.004062	ln(x)	ShapiroWilk
Zinc (mg/L)	GWC-30	Yes	0.0014,0.019,0.022,0.078	NP	23	0.009478	0.01566	ln(x)	ShapiroWilk
Zinc (mg/L)	GWC-6	Yes	0.049	NP	23	0.0062	0.009417	ln(x)	ShapiroWilk
Zinc (mg/L)	GWC-7	Yes	0.038	NP	23	0.006057	0.00716	ln(x)	ShapiroWilk
Zinc (mg/L)	GWC-8	Yes	0.044	NP	23	0.006139	0.00845	ln(x)	ShapiroWilk
Zinc (mg/L)	GWC-9	Yes	0.0086,0.0016,0.0021,0.0094	NP	22	0.005055	0.00183	sqrt(x)	ShapiroWilk

Tukey's Outlier Test All Wells - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 10:33 AM

Constituent	Well	Outlier	Value(s)	Method	N	Mean	Std. Dev.	Distribution	Normality Test
Antimony (mg/L)	GWA-2 (bg)	n/a	n/a	NP	30	0.00196	0.0002405	unknown	ShapiroWilk
Antimony (mg/L)	GWA-28 (bg)	n/a	n/a	NP	30	0.001944	0.0002273	unknown	ShapiroWilk
Antimony (mg/L)	GWA-29 (bg)	n/a	n/a	NP	28	0.001855	0.0003819	unknown	ShapiroWilk
Antimony (mg/L)	GWA-3 (bg)	n/a	n/a	NP	16	0.001828	0.0004707	unknown	ShapiroWilk
Antimony (mg/L)	GWC-10	n/a	n/a	NP	19	0.001852	0.0004457	unknown	ShapiroWilk
Antimony (mg/L)	GWC-11	n/a	n/a	NP	30	0.00201	0.00005477	unknown	ShapiroWilk
Antimony (mg/L)	GWC-13	n/a	n/a	NP	30	0.001913	0.0003314	unknown	ShapiroWilk
Antimony (mg/L)	GWC-18	n/a	n/a	NP	30	0.002007	0.00003651	unknown	ShapiroWilk
Antimony (mg/L)	GWC-22	n/a	n/a	NP	30	0.001967	0.0001826	unknown	ShapiroWilk
Antimony (mg/L)	GWC-23	n/a	n/a	NP	30	0.001956	0.0002437	unknown	ShapiroWilk
Antimony (mg/L)	GWC-24	n/a	n/a	NP	21	0.00185	0.0003783	unknown	ShapiroWilk
Antimony (mg/L)	GWC-25	n/a	n/a	NP	29	0.001983	0.00009099	unknown	ShapiroWilk
Antimony (mg/L)	GWC-26	n/a	n/a	NP	30	0.00192	0.0003073	unknown	ShapiroWilk
Antimony (mg/L)	GWC-27	n/a	n/a	NP	30	0.001957	0.0001654	unknown	ShapiroWilk
Antimony (mg/L)	GWC-30	n/a	n/a	NP	30	0.0019	0.0003353	unknown	ShapiroWilk
Antimony (mg/L)	GWC-31	n/a	n/a	NP	25	0.001936	0.0003758	unknown	ShapiroWilk
Antimony (mg/L)	GWC-32	n/a	n/a	NP	30	0.001946	0.0002939	unknown	ShapiroWilk
Antimony (mg/L)	GWC-33	n/a	n/a	NP	29	0.00195	0.0002693	unknown	ShapiroWilk
Antimony (mg/L)	GWC-5	n/a	n/a	NP	30	0.00196	0.0003035	unknown	ShapiroWilk
Antimony (mg/L)	GWC-6	n/a	n/a	NP	30	0.001946	0.0002939	unknown	ShapiroWilk
Arsenic (mg/L)	GWA-1 (bg)	n/a	n/a	NP	31	0.0009852	0.00008262	unknown	ShapiroWilk
Arsenic (mg/L)	GWA-2 (bg)	n/a	n/a	NP	30	0.000981	0.0001041	unknown	ShapiroWilk
Arsenic (mg/L)	GWA-28 (bg)	n/a	n/a	NP	30	0.0009927	0.00004017	unknown	ShapiroWilk
Arsenic (mg/L)	GWA-29 (bg)	n/a	n/a	NP	28	0.0009854	0.00006834	unknown	ShapiroWilk
Arsenic (mg/L)	GWA-3 (bg)	n/a	n/a	NP	16	0.001	1.2e-11	unknown	ShapiroWilk
Arsenic (mg/L)	GWA-4 (bg)	n/a	n/a	NP	30	0.0009573	0.0001514	unknown	ShapiroWilk
Arsenic (mg/L)	GWC-11	No	n/a	NP	30	0.002839	0.001824	ln(x)	ShapiroWilk
Arsenic (mg/L)	GWC-12	n/a	n/a	NP	29	0.0009259	0.0001919	unknown	ShapiroWilk
Arsenic (mg/L)	GWC-13	n/a	n/a	NP	30	0.0009957	0.00007152	unknown	ShapiroWilk
Arsenic (mg/L)	GWC-14	n/a	n/a	NP	30	0.0009387	0.0001841	unknown	ShapiroWilk
Arsenic (mg/L)	GWC-16	n/a	n/a	NP	30	0.0009947	0.00002921	unknown	ShapiroWilk
Arsenic (mg/L)	GWC-17	n/a	n/a	NP	30	0.0009793	0.0001132	unknown	ShapiroWilk
Arsenic (mg/L)	GWC-18	n/a	n/a	NP	30	0.0009853	0.00008033	unknown	ShapiroWilk
Arsenic (mg/L)	GWC-19	n/a	n/a	NP	30	0.000987	0.0001391	unknown	ShapiroWilk
Arsenic (mg/L)	GWC-20	n/a	n/a	NP	30	0.0009627	0.0001427	unknown	ShapiroWilk
Arsenic (mg/L)	GWC-21	n/a	n/a	NP	30	0.0009613	0.0001477	unknown	ShapiroWilk
Arsenic (mg/L)	GWC-22	n/a	n/a	NP	30	0.000977	0.00008972	unknown	ShapiroWilk
Arsenic (mg/L)	GWC-23	n/a	n/a	NP	30	0.0009747	0.0001152	unknown	ShapiroWilk
Arsenic (mg/L)	GWC-24	n/a	n/a	NP	21	0.0009786	0.0000982	unknown	ShapiroWilk
Arsenic (mg/L)	GWC-25	n/a	n/a	NP	29	0.000961	0.0001307	unknown	ShapiroWilk
Arsenic (mg/L)	GWC-26	n/a	n/a	NP	30	0.0009847	0.00008398	unknown	ShapiroWilk
Arsenic (mg/L)	GWC-31	n/a	n/a	NP	25	0.0009448	0.0001861	unknown	ShapiroWilk
Arsenic (mg/L)	GWC-32	n/a	n/a	NP	30	0.0009707	0.0001257	unknown	ShapiroWilk
Arsenic (mg/L)	GWC-33	n/a	n/a	NP	29	0.00101	0.00005571	unknown	ShapiroWilk
Arsenic (mg/L)	GWC-34	n/a	n/a	NP	30	0.001007	0.00003651	unknown	ShapiroWilk
Arsenic (mg/L)	GWC-35	n/a	n/a	NP	30	0.001	8.7e-12	unknown	ShapiroWilk
Arsenic (mg/L)	GWC-5	n/a	n/a	NP	30	0.001013	0.00007303	unknown	ShapiroWilk
Arsenic (mg/L)	GWC-6	n/a	n/a	NP	30	0.0009917	0.00004564	unknown	ShapiroWilk
Arsenic (mg/L)	GWC-7	n/a	n/a	NP	30	0.000968	0.0001545	unknown	ShapiroWilk
Arsenic (mg/L)	GWC-8	n/a	n/a	NP	30	0.0009297	0.0001828	unknown	ShapiroWilk
Arsenic (mg/L)	GWC-9	n/a	n/a	NP	30	0.0008943	0.0001862	unknown	ShapiroWilk
Barium (mg/L)	GWA-1 (bg)	No	n/a	NP	31	0.01024	0.001185	ln(x)	ShapiroWilk
Barium (mg/L)	GWA-2 (bg)	No	n/a	NP	30	0.01377	0.003399	normal	ShapiroWilk
Barium (mg/L)	GWA-28 (bg)	No	n/a	NP	30	0.002836	0.001976	ln(x)	ShapiroWilk
Barium (mg/L)	GWA-29 (bg)	No	n/a	NP	28	0.002414	0.001674	ln(x)	ShapiroWilk

Tukey's Outlier Test All Wells - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 10:33 AM

Constituent	Well	Outlier	Value(s)	Method	N	Mean	Std. Dev.	Distribution	Normality Test
Barium (mg/L)	GWA-3 (bg)	No	n/a	NP	16	0.05825	0.03043	ln(x)	ShapiroWilk
Barium (mg/L)	GWA-4 (bg)	No	n/a	NP	30	0.1212	0.02874	normal	ShapiroWilk
Barium (mg/L)	GWC-10	No	n/a	NP	19	0.02062	0.006124	x^2	ShapiroWilk
Barium (mg/L)	GWC-11	No	n/a	NP	30	0.2701	0.08927	normal	ShapiroWilk
Barium (mg/L)	GWC-12	No	n/a	NP	30	0.01744	0.004957	normal	ShapiroWilk
Barium (mg/L)	GWC-13	No	n/a	NP	30	0.003526	0.0009148	ln(x)	ShapiroWilk
Barium (mg/L)	GWC-14	No	n/a	NP	26	0.09784	0.08894	x^(1/3)	ShapiroWilk
Barium (mg/L)	GWC-15	No	n/a	NP	30	0.009139	0.002115	x^(1/3)	ShapiroWilk
Barium (mg/L)	GWC-16	No	n/a	NP	30	0.01739	0.0009593	ln(x)	ShapiroWilk
Barium (mg/L)	GWC-17	No	n/a	NP	30	0.01619	0.001462	ln(x)	ShapiroWilk
Barium (mg/L)	GWC-18	No	n/a	NP	30	0.03411	0.003588	x^(1/3)	ShapiroWilk
Barium (mg/L)	GWC-19	No	n/a	NP	30	0.06883	0.02923	normal	ShapiroWilk
Barium (mg/L)	GWC-20	No	n/a	NP	30	0.03377	0.002115	normal	ShapiroWilk
Barium (mg/L)	GWC-21	No	n/a	NP	30	0.02703	0.01489	ln(x)	ShapiroWilk
Barium (mg/L)	GWC-22	No	n/a	NP	30	0.02541	0.001673	normal	ShapiroWilk
Barium (mg/L)	GWC-23	No	n/a	NP	30	0.006363	0.002036	ln(x)	ShapiroWilk
Barium (mg/L)	GWC-24	No	n/a	NP	21	0.01573	0.006823	normal	ShapiroWilk
Barium (mg/L)	GWC-25	No	n/a	NP	29	0.03204	0.01027	normal	ShapiroWilk
Barium (mg/L)	GWC-26	No	n/a	NP	30	0.03357	0.004354	x^4	ShapiroWilk
Barium (mg/L)	GWC-27	No	n/a	NP	30	0.01199	0.003849	normal	ShapiroWilk
Barium (mg/L)	**GWC-30**	**Yes**	**0.013**	**NP**	**30**	**0.007501**	**0.001557**	**ln(x)**	**ShapiroWilk**
Barium (mg/L)	GWC-31	No	n/a	NP	25	0.003665	0.001969	ln(x)	ShapiroWilk
Barium (mg/L)	GWC-32	No	n/a	NP	30	0.002927	0.001463	ln(x)	ShapiroWilk
Barium (mg/L)	GWC-33	No	n/a	NP	29	0.008559	0.003636	sqrt(x)	ShapiroWilk
Barium (mg/L)	GWC-34	No	n/a	NP	29	0.0114	0.001086	sqrt(x)	ShapiroWilk
Barium (mg/L)	GWC-35	No	n/a	NP	30	0.02009	0.001091	ln(x)	ShapiroWilk
Barium (mg/L)	GWC-5	No	n/a	NP	30	0.02349	0.004292	ln(x)	ShapiroWilk
Barium (mg/L)	GWC-6	No	n/a	NP	30	0.05515	0.007597	ln(x)	ShapiroWilk
Barium (mg/L)	GWC-7	No	n/a	NP	30	0.09252	0.02374	ln(x)	ShapiroWilk
Barium (mg/L)	GWC-8	No	n/a	NP	30	0.0606	0.02194	ln(x)	ShapiroWilk
Barium (mg/L)	GWC-9	No	n/a	NP	30	0.1338	0.0391	x^2	ShapiroWilk
Beryllium (mg/L)	GWA-1 (bg)	n/a	n/a	NP	31	0.002123	0.0008741	unknown	ShapiroWilk
Beryllium (mg/L)	GWA-2 (bg)	n/a	n/a	NP	30	0.002265	0.0007162	unknown	ShapiroWilk
Beryllium (mg/L)	GWA-28 (bg)	No	n/a	NP	30	0.001109	0.001001	ln(x)	ShapiroWilk
Beryllium (mg/L)	GWA-29 (bg)	No	n/a	NP	28	0.002036	0.0003611	x^2	ShapiroWilk
Beryllium (mg/L)	GWA-3 (bg)	n/a	n/a	NP	16	0.002362	0.00055	unknown	ShapiroWilk
Beryllium (mg/L)	GWC-11	n/a	n/a	NP	30	0.002271	0.0007007	unknown	ShapiroWilk
Beryllium (mg/L)	GWC-12	n/a	n/a	NP	30	0.002351	0.0005671	unknown	ShapiroWilk
Beryllium (mg/L)	GWC-14	No	n/a	NP	30	0.001476	0.001055	ln(x)	ShapiroWilk
Beryllium (mg/L)	GWC-15	n/a	n/a	NP	30	0.002424	0.0004163	unknown	ShapiroWilk
Beryllium (mg/L)	GWC-16	n/a	n/a	NP	30	0.002344	0.0005951	unknown	ShapiroWilk
Beryllium (mg/L)	GWC-17	n/a	n/a	NP	30	0.002423	0.0004236	unknown	ShapiroWilk
Beryllium (mg/L)	GWC-18	n/a	n/a	NP	30	0.002423	0.0004217	unknown	ShapiroWilk
Beryllium (mg/L)	GWC-19	n/a	n/a	NP	30	0.002352	0.0005638	unknown	ShapiroWilk
Beryllium (mg/L)	GWC-20	n/a	n/a	NP	30	0.00243	0.0003816	unknown	ShapiroWilk
Beryllium (mg/L)	GWC-21	n/a	n/a	NP	30	0.002343	0.0005991	unknown	ShapiroWilk
Beryllium (mg/L)	GWC-22	n/a	n/a	NP	30	0.002275	0.0006872	unknown	ShapiroWilk
Beryllium (mg/L)	GWC-23	n/a	n/a	NP	30	0.002353	0.0005611	unknown	ShapiroWilk
Beryllium (mg/L)	GWC-24	No	n/a	NP	21	0.001829	0.001088	ln(x)	ShapiroWilk
Beryllium (mg/L)	GWC-25	n/a	n/a	NP	29	0.002336	0.0006118	unknown	ShapiroWilk
Beryllium (mg/L)	GWC-26	n/a	n/a	NP	30	0.002342	0.0006001	unknown	ShapiroWilk
Beryllium (mg/L)	GWC-27	No	n/a	NP	30	0.00337	0.002004	normal	ShapiroWilk
Beryllium (mg/L)	GWC-30	n/a	n/a	NP	30	0.00242	0.00044	unknown	ShapiroWilk
Beryllium (mg/L)	GWC-31	No	n/a	NP	25	0.001309	0.0009831	ln(x)	ShapiroWilk
Beryllium (mg/L)	GWC-32	No	n/a	NP	31	0.001297	0.0003581	x^2	ShapiroWilk

Tukey's Outlier Test All Wells - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 10:33 AM

Constituent	Well	Outlier	Value(s)	Method	N	Mean	Std. Dev.	Distribution	Normality Test
Beryllium (mg/L)	GWC-33	No	n/a	NP	29	0.001265	0.0009404	ln(x)	ShapiroWilk
Beryllium (mg/L)	GWC-34	n/a	n/a	NP	30	0.002187	0.0008124	unknown	ShapiroWilk
Beryllium (mg/L)	GWC-35	n/a	n/a	NP	30	0.002188	0.0008104	unknown	ShapiroWilk
Beryllium (mg/L)	GWC-6	n/a	n/a	NP	30	0.002419	0.0004422	unknown	ShapiroWilk
Beryllium (mg/L)	GWC-8	n/a	n/a	NP	30	0.002356	0.0005543	unknown	ShapiroWilk
Beryllium (mg/L)	GWC-9	n/a	n/a	NP	30	0.002034	0.00095	unknown	ShapiroWilk
Cadmium (mg/L)	GWA-1 (bg)	n/a	n/a	NP	31	0.002435	0.0003592	unknown	ShapiroWilk
Cadmium (mg/L)	GWA-29 (bg)	n/a	n/a	NP	28	0.002415	0.0004515	unknown	ShapiroWilk
Cadmium (mg/L)	GWA-3 (bg)	No	n/a	NP	16	0.001953	0.0009834	ln(x)	ShapiroWilk
Cadmium (mg/L)	GWC-11	n/a	n/a	NP	30	0.002381	0.0004388	unknown	ShapiroWilk
Cadmium (mg/L)	GWC-14	No	n/a	NP	30	0.00165	0.001062	ln(x)	ShapiroWilk
Cadmium (mg/L)	GWC-21	n/a	n/a	NP	30	0.002274	0.0006897	unknown	ShapiroWilk
Cadmium (mg/L)	GWC-22	n/a	n/a	NP	30	0.002305	0.0005954	unknown	ShapiroWilk
Cadmium (mg/L)	GWC-24	n/a	n/a	NP	21	0.002368	0.0005215	unknown	ShapiroWilk
Cadmium (mg/L)	GWC-25	n/a	n/a	NP	29	0.002421	0.0004271	unknown	ShapiroWilk
Cadmium (mg/L)	GWC-8	n/a	n/a	NP	30	0.002427	0.000398	unknown	ShapiroWilk
Chromium (mg/L)	GWA-1 (bg)	n/a	n/a	NP	31	0.002019	0.00044	unknown	ShapiroWilk
Chromium (mg/L)	GWA-2 (bg)	n/a	n/a	NP	30	0.001957	0.0001832	unknown	ShapiroWilk
Chromium (mg/L)	GWA-28 (bg)	n/a	n/a	NP	29	0.002097	0.0004888	unknown	ShapiroWilk
Chromium (mg/L)	GWA-29 (bg)	n/a	n/a	NP	27	0.002693	0.003668	unknown	ShapiroWilk
Chromium (mg/L)	GWA-3 (bg)	n/a	n/a	NP	16	0.001981	0.0002664	unknown	ShapiroWilk
Chromium (mg/L)	GWA-4 (bg)	n/a	n/a	NP	30	0.001943	0.0001995	unknown	ShapiroWilk
Chromium (mg/L)	GWC-10	n/a	n/a	NP	19	0.002042	0.0002143	unknown	ShapiroWilk
Chromium (mg/L)	GWC-11	No	n/a	NP	30	0.003198	0.002801	ln(x)	ShapiroWilk
Chromium (mg/L)	GWC-12	n/a	n/a	NP	30	0.00199	0.0001807	unknown	ShapiroWilk
Chromium (mg/L)	GWC-13	n/a	n/a	NP	30	0.002003	0.0001884	unknown	ShapiroWilk
Chromium (mg/L)	GWC-14	n/a	n/a	NP	30	0.001987	0.0001408	unknown	ShapiroWilk
Chromium (mg/L)	GWC-15	n/a	n/a	NP	30	0.001983	0.0001341	unknown	ShapiroWilk
Chromium (mg/L)	**GWC-16**	**Yes**	**0.005,0.005,0.0045,0.0043**	**NP**	**30**	**0.00273**	**0.00085**	**ln(x)**	**ShapiroWilk**
Chromium (mg/L)	GWC-17	n/a	n/a	NP	30	0.002033	0.0004365	unknown	ShapiroWilk
Chromium (mg/L)	GWC-18	n/a	n/a	NP	30	0.00194	0.0002111	unknown	ShapiroWilk
Chromium (mg/L)	GWC-19	n/a	n/a	NP	30	0.002003	0.000145	unknown	ShapiroWilk
Chromium (mg/L)	GWC-20	n/a	n/a	NP	30	0.00198	0.0002369	unknown	ShapiroWilk
Chromium (mg/L)	GWC-21	n/a	n/a	NP	30	0.001963	0.0001866	unknown	ShapiroWilk
Chromium (mg/L)	**GWC-22**	**Yes**	**0.0011,0.0011,0.0011,0.0027,0.003,0.0026**	**NP**	**30**	**0.001933**	**0.0004097**	**normal**	**ShapiroWilk**
Chromium (mg/L)	GWC-23	n/a	n/a	NP	30	0.001939	0.0002782	unknown	ShapiroWilk
Chromium (mg/L)	GWC-24	n/a	n/a	NP	21	0.002014	0.000267	unknown	ShapiroWilk
Chromium (mg/L)	GWC-25	n/a	n/a	NP	27	0.00217	0.0005743	unknown	ShapiroWilk
Chromium (mg/L)	GWC-26	n/a	n/a	NP	30	0.002063	0.0003023	unknown	ShapiroWilk
Chromium (mg/L)	GWC-27	n/a	n/a	NP	30	0.002003	0.0001245	unknown	ShapiroWilk
Chromium (mg/L)	GWC-30	n/a	n/a	NP	30	0.00196	0.0002127	unknown	ShapiroWilk
Chromium (mg/L)	GWC-31	No	n/a	NP	25	0.003238	0.002365	ln(x)	ShapiroWilk
Chromium (mg/L)	GWC-32	n/a	n/a	NP	29	0.00201	0.0001012	unknown	ShapiroWilk
Chromium (mg/L)	GWC-33	n/a	n/a	NP	29	0.002121	0.0004996	unknown	ShapiroWilk
Chromium (mg/L)	GWC-34	n/a	n/a	NP	30	0.002012	0.0003491	unknown	ShapiroWilk
Chromium (mg/L)	GWC-35	n/a	n/a	NP	30	0.002003	0.0001752	unknown	ShapiroWilk
Chromium (mg/L)	GWC-5	n/a	n/a	NP	29	0.001969	0.0004124	unknown	ShapiroWilk
Chromium (mg/L)	GWC-6	n/a	n/a	NP	30	0.002107	0.0005483	unknown	ShapiroWilk
Chromium (mg/L)	GWC-7	n/a	n/a	NP	30	0.00197	0.0001512	unknown	ShapiroWilk
Chromium (mg/L)	GWC-8	n/a	n/a	NP	30	0.00201	0.00019	unknown	ShapiroWilk
Chromium (mg/L)	**GWC-9**	**Yes**	**0.0073**	**NP**	**30**	**0.002463**	**0.001117**	**ln(x)**	**ShapiroWilk**
Cobalt (mg/L)	GWA-1 (bg)	No	n/a	NP	31	0.001955	0.0009486	ln(x)	ShapiroWilk
Cobalt (mg/L)	GWA-2 (bg)	No	n/a	NP	30	0.001661	0.00106	ln(x)	ShapiroWilk
Cobalt (mg/L)	GWA-29 (bg)	n/a	n/a	NP	28	0.002329	0.0006283	unknown	ShapiroWilk
Cobalt (mg/L)	GWA-3 (bg)	No	n/a	NP	16	0.001451	0.001046	x^(1/3)	ShapiroWilk

Tukey's Outlier Test All Wells - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 10:33 AM

Constituent	Well	Outlier	Value(s)	Method	N	Mean	Std. Dev.	Distribution	Normality Test
Cobalt (mg/L)	GWA-4 (bg)	No	n/a	NP	30	0.005541	0.002918	ln(x)	ShapiroWilk
Cobalt (mg/L)	GWC-10	No	n/a	NP	19	0.005569	0.002826	ln(x)	ShapiroWilk
Cobalt (mg/L)	GWC-11	No	n/a	NP	30	0.006808	0.003916	x^(1/3)	ShapiroWilk
Cobalt (mg/L)	GWC-12	n/a	n/a	NP	30	0.002187	0.0008772	unknown	ShapiroWilk
Cobalt (mg/L)	GWC-14	No	n/a	NP	10	0.1465	0.1017	normal	ShapiroWilk
Cobalt (mg/L)	GWC-15	No	n/a	NP	30	0.001874	0.0009028	sqrt(x)	ShapiroWilk
Cobalt (mg/L)	GWC-16	n/a	n/a	NP	29	0.002418	0.0004401	unknown	ShapiroWilk
Cobalt (mg/L)	GWC-19	No	n/a	NP	29	0.001564	0.001079	x^(1/3)	ShapiroWilk
Cobalt (mg/L)	GWC-20	n/a	n/a	NP	30	0.002119	0.0007867	unknown	ShapiroWilk
Cobalt (mg/L)	GWC-21	No	n/a	NP	30	0.00249	0.001305	normal	ShapiroWilk
Cobalt (mg/L)	GWC-22	n/a	n/a	NP	30	0.002347	0.0005838	unknown	ShapiroWilk
Cobalt (mg/L)	GWC-23	n/a	n/a	NP	28	0.001809	0.001002	unknown	ShapiroWilk
Cobalt (mg/L)	GWC-24	No	n/a	NP	21	0.002564	0.002694	ln(x)	ShapiroWilk
Cobalt (mg/L)	GWC-25	No	n/a	NP	29	0.01296	0.01263	ln(x)	ShapiroWilk
Cobalt (mg/L)	**GWC-26**	**Yes**	**0.00041,0.00061,0.00012,0.00012,0.00017,0.00015**	**NP**	**30**	**0.002029**	**0.0009109**	**sqrt(x)**	**ShapiroWilk**
Cobalt (mg/L)	GWC-27	No	n/a	NP	30	0.002468	0.000744	x^(1/3)	ShapiroWilk
Cobalt (mg/L)	GWC-31	n/a	n/a	NP	25	0.00219	0.0007605	unknown	ShapiroWilk
Cobalt (mg/L)	GWC-32	No	n/a	NP	30	0.001775	0.0009362	x^(1/3)	ShapiroWilk
Cobalt (mg/L)	GWC-33	No	n/a	NP	29	0.003275	0.003308	x^(1/3)	ShapiroWilk
Cobalt (mg/L)	GWC-34	n/a	n/a	NP	29	0.002346	0.0005767	unknown	ShapiroWilk
Cobalt (mg/L)	GWC-35	No	n/a	NP	30	0.001537	0.001026	ln(x)	ShapiroWilk
Cobalt (mg/L)	GWC-5	No	n/a	NP	30	0.0141	0.01189	x^(1/3)	ShapiroWilk
Cobalt (mg/L)	GWC-6	No	n/a	NP	30	0.01443	0.005848	ln(x)	ShapiroWilk
Cobalt (mg/L)	GWC-7	No	n/a	NP	30	0.00656	0.007699	ln(x)	ShapiroWilk
Cobalt (mg/L)	GWC-8	No	n/a	NP	28	0.0319	0.01776	normal	ShapiroWilk
Cobalt (mg/L)	**GWC-9**	**Yes**	**0.0025**	**NP**	**29**	**0.05489**	**0.03612**	**x^(1/3)**	**ShapiroWilk**
Copper (mg/L)	GWA-2 (bg)	No	n/a	NP	23	0.001734	0.0004171	ln(x)	ShapiroWilk
Copper (mg/L)	GWA-28 (bg)	n/a	n/a	NP	23	0.001965	0.0001668	unknown	ShapiroWilk
Copper (mg/L)	GWA-29 (bg)	No	n/a	NP	23	0.00897	0.004089	ln(x)	ShapiroWilk
Copper (mg/L)	GWA-3 (bg)	No	n/a	NP	12	0.002275	0.00073	ln(x)	ShapiroWilk
Copper (mg/L)	GWC-10	n/a	n/a	NP	11	0.001758	0.0005382	unknown	ShapiroWilk
Copper (mg/L)	GWC-11	n/a	n/a	NP	23	0.001948	0.0004358	unknown	ShapiroWilk
Copper (mg/L)	GWC-12	n/a	n/a	NP	23	0.001955	0.0002169	unknown	ShapiroWilk
Copper (mg/L)	GWC-13	n/a	n/a	NP	23	0.001945	0.0002853	unknown	ShapiroWilk
Copper (mg/L)	GWC-14	n/a	n/a	NP	22	0.001905	0.0002836	unknown	ShapiroWilk
Copper (mg/L)	GWC-15	n/a	n/a	NP	23	0.002043	0.0002085	unknown	ShapiroWilk
Copper (mg/L)	GWC-16	n/a	n/a	NP	23	0.001941	0.0002815	unknown	ShapiroWilk
Copper (mg/L)	GWC-17	n/a	n/a	NP	23	0.00189	0.0003652	unknown	ShapiroWilk
Copper (mg/L)	GWC-19	n/a	n/a	NP	23	0.001954	0.000221	unknown	ShapiroWilk
Copper (mg/L)	GWC-20	n/a	n/a	NP	22	0.00197	0.000272	unknown	ShapiroWilk
Copper (mg/L)	GWC-21	n/a	n/a	NP	23	0.001965	0.0001668	unknown	ShapiroWilk
Copper (mg/L)	GWC-22	n/a	n/a	NP	23	0.001957	0.0002085	unknown	ShapiroWilk
Copper (mg/L)	GWC-23	n/a	n/a	NP	23	0.001789	0.0004375	unknown	ShapiroWilk
Copper (mg/L)	GWC-24	No	n/a	NP	14	0.001862	0.0007608	sqrt(x)	ShapiroWilk
Copper (mg/L)	**GWC-25**	**Yes**	**0.0072,0.0016**	**NP**	**23**	**0.002735**	**0.001069**	**ln(x)**	**ShapiroWilk**
Copper (mg/L)	GWC-26	n/a	n/a	NP	23	0.001899	0.0004158	unknown	ShapiroWilk
Copper (mg/L)	GWC-27	n/a	n/a	NP	22	0.001898	0.0003365	unknown	ShapiroWilk
Copper (mg/L)	GWC-31	No	n/a	NP	20	0.002712	0.00134	x^(1/3)	ShapiroWilk
Copper (mg/L)	GWC-33	n/a	n/a	NP	22	0.001909	0.0003024	unknown	ShapiroWilk
Copper (mg/L)	GWC-34	n/a	n/a	NP	23	0.00197	0.000146	unknown	ShapiroWilk
Copper (mg/L)	GWC-35	n/a	n/a	NP	23	0.001784	0.0004512	unknown	ShapiroWilk
Copper (mg/L)	GWC-5	n/a	n/a	NP	23	0.001875	0.000332	unknown	ShapiroWilk
Copper (mg/L)	GWC-6	n/a	n/a	NP	23	0.002009	0.0003029	unknown	ShapiroWilk
Copper (mg/L)	GWC-8	No	n/a	NP	23	0.001773	0.0006161	sqrt(x)	ShapiroWilk
Copper (mg/L)	GWC-9	n/a	n/a	NP	23	0.001986	0.0002953	unknown	ShapiroWilk

Tukey's Outlier Test All Wells - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 10:33 AM

Constituent	Well	Outlier	Value(s)	Method	N	Mean	Std. Dev.	Distribution	Normality Test
Lead (mg/L)	GWA-2 (bg)	n/a	n/a	NP	30	0.0009713	0.000157	unknown	ShapiroWilk
Lead (mg/L)	GWA-28 (bg)	n/a	n/a	NP	30	0.0009747	0.0001388	unknown	ShapiroWilk
Lead (mg/L)	GWA-29 (bg)	n/a	n/a	NP	28	0.0008586	0.0003103	unknown	ShapiroWilk
Lead (mg/L)	GWA-3 (bg)	n/a	n/a	NP	16	0.0009013	0.000452	unknown	ShapiroWilk
Lead (mg/L)	GWA-4 (bg)	n/a	n/a	NP	30	0.000977	0.000126	unknown	ShapiroWilk
Lead (mg/L)	GWC-10	n/a	n/a	NP	20	0.0009025	0.0004766	unknown	ShapiroWilk
Lead (mg/L)	GWC-11	n/a	n/a	NP	30	0.0009533	0.0001785	unknown	ShapiroWilk
Lead (mg/L)	GWC-12	n/a	n/a	NP	30	0.0009733	0.0001461	unknown	ShapiroWilk
Lead (mg/L)	GWC-15	n/a	n/a	NP	30	0.0009713	0.000157	unknown	ShapiroWilk
Lead (mg/L)	GWC-17	n/a	n/a	NP	30	0.0009967	0.00001826	unknown	ShapiroWilk
Lead (mg/L)	GWC-18	n/a	n/a	NP	29	0.000971	0.000156	unknown	ShapiroWilk
Lead (mg/L)	GWC-19	n/a	n/a	NP	30	0.0009257	0.0002666	unknown	ShapiroWilk
Lead (mg/L)	GWC-20	n/a	n/a	NP	29	0.0009407	0.0002218	unknown	ShapiroWilk
Lead (mg/L)	GWC-21	n/a	n/a	NP	30	0.000918	0.0002502	unknown	ShapiroWilk
Lead (mg/L)	GWC-22	n/a	n/a	NP	30	0.000964	0.0001477	unknown	ShapiroWilk
Lead (mg/L)	GWC-23	n/a	n/a	NP	30	0.000928	0.0002202	unknown	ShapiroWilk
Lead (mg/L)	GWC-24	No	n/a	NP	21	0.0008233	0.0003965	x^2	ShapiroWilk
Lead (mg/L)	GWC-25	n/a	n/a	NP	28	0.0008586	0.0003097	unknown	ShapiroWilk
Lead (mg/L)	GWC-26	n/a	n/a	NP	30	0.0009576	0.0002468	unknown	ShapiroWilk
Lead (mg/L)	GWC-27	n/a	n/a	NP	30	0.0008919	0.0002813	unknown	ShapiroWilk
Lead (mg/L)	GWC-30	n/a	n/a	NP	30	0.000972	0.0001534	unknown	ShapiroWilk
Lead (mg/L)	GWC-31	No	n/a	NP	25	0.0008992	0.0004671	ln(x)	ShapiroWilk
Lead (mg/L)	GWC-33	n/a	n/a	NP	29	0.0009217	0.0002356	unknown	ShapiroWilk
Lead (mg/L)	GWC-34	n/a	n/a	NP	30	0.000974	0.0001424	unknown	ShapiroWilk
Lead (mg/L)	GWC-5	n/a	n/a	NP	30	0.0009713	0.000157	unknown	ShapiroWilk
Lead (mg/L)	GWC-8	n/a	n/a	NP	30	0.0009317	0.0002088	unknown	ShapiroWilk
Lead (mg/L)	GWC-9	n/a	n/a	NP	30	0.000975	0.0001369	unknown	ShapiroWilk
Mercury (mg/L)	GWA-1 (bg)	n/a	n/a	NP	31	0.0001951	0.00002029	unknown	ShapiroWilk
Mercury (mg/L)	GWA-2 (bg)	n/a	n/a	NP	30	0.0001957	0.00001695	unknown	ShapiroWilk
Mercury (mg/L)	GWA-28 (bg)	n/a	n/a	NP	30	0.000195	0.0000213	unknown	ShapiroWilk
Mercury (mg/L)	GWA-29 (bg)	n/a	n/a	NP	28	0.0002004	0.00000189	unknown	ShapiroWilk
Mercury (mg/L)	GWA-3 (bg)	n/a	n/a	NP	16	0.0001944	0.0000225	unknown	ShapiroWilk
Mercury (mg/L)	GWA-4 (bg)	n/a	n/a	NP	30	0.0001949	0.00002165	unknown	ShapiroWilk
Mercury (mg/L)	GWC-10	n/a	n/a	NP	19	0.0001897	0.00003101	unknown	ShapiroWilk
Mercury (mg/L)	GWC-11	n/a	n/a	NP	30	0.0001922	0.00002974	unknown	ShapiroWilk
Mercury (mg/L)	GWC-12	n/a	n/a	NP	30	0.0001977	0.00001278	unknown	ShapiroWilk
Mercury (mg/L)	GWC-13	n/a	n/a	NP	30	0.0001939	0.00002355	unknown	ShapiroWilk
Mercury (mg/L)	GWC-14	n/a	n/a	NP	30	0.0001808	0.00004496	unknown	ShapiroWilk
Mercury (mg/L)	GWC-15	n/a	n/a	NP	30	0.000195	0.00001907	unknown	ShapiroWilk
Mercury (mg/L)	GWC-16	n/a	n/a	NP	30	0.0001946	0.00002194	unknown	ShapiroWilk
Mercury (mg/L)	GWC-17	n/a	n/a	NP	30	0.0001966	0.00001881	unknown	ShapiroWilk
Mercury (mg/L)	GWC-18	n/a	n/a	NP	30	0.0001939	0.00002327	unknown	ShapiroWilk
Mercury (mg/L)	GWC-19	n/a	n/a	NP	30	0.0001947	0.00002047	unknown	ShapiroWilk
Mercury (mg/L)	GWC-20	n/a	n/a	NP	30	0.0001932	0.00002607	unknown	ShapiroWilk
Mercury (mg/L)	GWC-21	n/a	n/a	NP	30	0.0001865	0.00003591	unknown	ShapiroWilk
Mercury (mg/L)	GWC-22	n/a	n/a	NP	30	0.000195	0.00001907	unknown	ShapiroWilk
Mercury (mg/L)	GWC-23	n/a	n/a	NP	30	0.0001962	0.00002081	unknown	ShapiroWilk
Mercury (mg/L)	GWC-24	n/a	n/a	NP	21	0.0001948	0.000024	unknown	ShapiroWilk
Mercury (mg/L)	GWC-25	n/a	n/a	NP	29	0.0001965	0.00001894	unknown	ShapiroWilk
Mercury (mg/L)	GWC-26	n/a	n/a	NP	30	0.0001953	0.00001795	unknown	ShapiroWilk
Mercury (mg/L)	GWC-27	n/a	n/a	NP	30	0.0001957	0.00001695	unknown	ShapiroWilk
Mercury (mg/L)	GWC-30	n/a	n/a	NP	30	0.0001932	0.00002357	unknown	ShapiroWilk
Mercury (mg/L)	GWC-31	n/a	n/a	NP	25	0.0001944	0.00002123	unknown	ShapiroWilk
Mercury (mg/L)	GWC-32	n/a	n/a	NP	30	0.0001958	0.00002319	unknown	ShapiroWilk
Mercury (mg/L)	GWC-33	n/a	n/a	NP	29	0.0001972	0.00001486	unknown	ShapiroWilk

Tukey's Outlier Test All Wells - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 10:33 AM

Constituent	Well	Outlier	Value(s)	Method	N	Mean	Std. Dev.	Distribution	Normality Test
Mercury (mg/L)	GWC-34	n/a	n/a	NP	30	0.0001894	0.00003277	unknown	ShapiroWilk
Mercury (mg/L)	GWC-35	n/a	n/a	NP	30	0.0001965	0.00001899	unknown	ShapiroWilk
Mercury (mg/L)	GWC-5	n/a	n/a	NP	30	0.0001959	0.00002264	unknown	ShapiroWilk
Mercury (mg/L)	GWC-6	n/a	n/a	NP	30	0.0001921	0.00003003	unknown	ShapiroWilk
Mercury (mg/L)	GWC-7	n/a	n/a	NP	30	0.0001963	0.00002045	unknown	ShapiroWilk
Mercury (mg/L)	GWC-8	n/a	n/a	NP	31	0.0001982	0.00004651	unknown	ShapiroWilk
Mercury (mg/L)	GWC-9	n/a	n/a	NP	30	0.0001915	0.00002681	unknown	ShapiroWilk
Nickel (mg/L)	GWA-1 (bg)	No	n/a	NP	24	0.001937	0.0008168	ln(x)	ShapiroWilk
Nickel (mg/L)	GWA-2 (bg)	No	n/a	NP	23	0.001907	0.0006832	ln(x)	ShapiroWilk
Nickel (mg/L)	GWA-28 (bg)	n/a	n/a	NP	23	0.0009026	0.0002022	unknown	ShapiroWilk
Nickel (mg/L)	GWA-29 (bg)	No	n/a	NP	23	0.002861	0.00121	ln(x)	ShapiroWilk
Nickel (mg/L)	GWA-3 (bg)	No	n/a	NP	12	0.002681	0.001319	ln(x)	ShapiroWilk
Nickel (mg/L)	**GWA-4 (bg)**	**Yes**	**0.007,0.0012**	**NP**	**22**	**0.002536**	**0.00108**	**ln(x)**	**ShapiroWilk**
Nickel (mg/L)	GWC-10	No	n/a	NP	12	0.002506	0.001505	ln(x)	ShapiroWilk
Nickel (mg/L)	GWC-11	n/a	n/a	NP	23	0.00095	0.0001828	unknown	ShapiroWilk
Nickel (mg/L)	GWC-12	n/a	n/a	NP	23	0.0009683	0.0001285	unknown	ShapiroWilk
Nickel (mg/L)	GWC-13	n/a	n/a	NP	23	0.0008952	0.0002147	unknown	ShapiroWilk
Nickel (mg/L)	GWC-14	No	n/a	NP	10	0.0163	0.002312	ln(x)	ShapiroWilk
Nickel (mg/L)	GWC-15	n/a	n/a	NP	23	0.0009426	0.0001904	unknown	ShapiroWilk
Nickel (mg/L)	GWC-16	n/a	n/a	NP	23	0.0009757	0.00008207	unknown	ShapiroWilk
Nickel (mg/L)	GWC-17	n/a	n/a	NP	23	0.0009674	0.0001237	unknown	ShapiroWilk
Nickel (mg/L)	GWC-18	n/a	n/a	NP	23	0.001007	0.0001287	unknown	ShapiroWilk
Nickel (mg/L)	GWC-19	No	n/a	NP	23	0.001954	0.0008561	ln(x)	ShapiroWilk
Nickel (mg/L)	GWC-20	n/a	n/a	NP	23	0.0009774	0.0001084	unknown	ShapiroWilk
Nickel (mg/L)	GWC-21	No	n/a	NP	23	0.00195	0.0008556	ln(x)	ShapiroWilk
Nickel (mg/L)	GWC-22	n/a	n/a	NP	23	0.0009448	0.0001837	unknown	ShapiroWilk
Nickel (mg/L)	GWC-23	No	n/a	NP	23	0.0008852	0.0002071	sqrt(x)	ShapiroWilk
Nickel (mg/L)	GWC-24	No	n/a	NP	14	0.0022	0.0005421	ln(x)	ShapiroWilk
Nickel (mg/L)	GWC-25	No	n/a	NP	22	0.007205	0.006086	ln(x)	ShapiroWilk
Nickel (mg/L)	GWC-26	No	n/a	NP	23	0.002107	0.0007594	x^3	ShapiroWilk
Nickel (mg/L)	GWC-27	n/a	n/a	NP	23	0.0009265	0.0001957	unknown	ShapiroWilk
Nickel (mg/L)	GWC-31	No	n/a	NP	19	0.003346	0.003026	ln(x)	ShapiroWilk
Nickel (mg/L)	GWC-32	n/a	n/a	NP	23	0.001006	0.0002211	unknown	ShapiroWilk
Nickel (mg/L)	GWC-33	n/a	n/a	NP	22	0.0009627	0.000148	unknown	ShapiroWilk
Nickel (mg/L)	GWC-34	No	n/a	NP	22	0.001819	0.0009408	ln(x)	ShapiroWilk
Nickel (mg/L)	GWC-35	No	n/a	NP	23	0.002291	0.001126	x^(1/3)	ShapiroWilk
Nickel (mg/L)	GWC-5	No	n/a	NP	23	0.005691	0.002265	normal	ShapiroWilk
Nickel (mg/L)	GWC-6	No	n/a	NP	23	0.004948	0.001619	ln(x)	ShapiroWilk
Nickel (mg/L)	GWC-7	No	n/a	NP	23	0.01011	0.004946	normal	ShapiroWilk
Nickel (mg/L)	**GWC-8**	**Yes**	**0.011**	**NP**	**23**	**0.003174**	**0.001905**	**ln(x)**	**ShapiroWilk**
Nickel (mg/L)	GWC-9	No	n/a	NP	21	0.01003	0.003591	normal	ShapiroWilk
pH, Field (S.U.)	GWA-1 (bg)	No	n/a	NP	21	5.403	0.1589	x^2	ShapiroWilk
pH, Field (S.U.)	GWA-2 (bg)	No	n/a	NP	19	5.671	0.1397	x^6	ShapiroWilk
pH, Field (S.U.)	GWA-28 (bg)	No	n/a	NP	20	6.104	0.2226	ln(x)	ShapiroWilk
pH, Field (S.U.)	GWA-29 (bg)	No	n/a	NP	18	5.879	0.1891	ln(x)	ShapiroWilk
pH, Field (S.U.)	GWA-3 (bg)	No	n/a	NP	12	5.823	0.4629	ln(x)	ShapiroWilk
pH, Field (S.U.)	GWA-4 (bg)	No	n/a	NP	18	6.248	0.1322	ln(x)	ShapiroWilk
pH, Field (S.U.)	GWC-10	No	n/a	NP	19	6.035	0.4138	ln(x)	ShapiroWilk
pH, Field (S.U.)	GWC-11	No	n/a	NP	20	6.088	0.1783	ln(x)	ShapiroWilk
pH, Field (S.U.)	GWC-12	No	n/a	NP	19	7.275	0.2996	x^6	ShapiroWilk
pH, Field (S.U.)	GWC-13	No	n/a	NP	19	6.799	0.3035	ln(x)	ShapiroWilk
pH, Field (S.U.)	GWC-14	No	n/a	NP	20	5.461	0.3378	x^2	ShapiroWilk
pH, Field (S.U.)	GWC-15	No	n/a	NP	19	6.587	0.2057	ln(x)	ShapiroWilk
pH, Field (S.U.)	GWC-16	No	n/a	NP	18	6.097	0.1276	ln(x)	ShapiroWilk
pH, Field (S.U.)	GWC-17	No	n/a	NP	19	6.207	0.1034	ln(x)	ShapiroWilk

Tukey's Outlier Test All Wells - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 10:33 AM

Constituent	Well	Outlier	Value(s)	Method	N	Mean	Std. Dev.	Distribution	Normality Test
pH, Field (S.U.)	GWC-18	No	n/a	NP	18	5.943	0.1023	x^6	ShapiroWilk
pH, Field (S.U.)	GWC-19	No	n/a	NP	19	5.921	0.1497	ln(x)	ShapiroWilk
pH, Field (S.U.)	**GWC-20**	**Yes**	**7.121**	**NP**	**18**	**6.307**	**0.2384**	**ln(x)**	**ShapiroWilk**
pH, Field (S.U.)	**GWC-21**	**Yes**	**6.575**	**NP**	**19**	**5.603**	**0.2963**	**ln(x)**	**ShapiroWilk**
pH, Field (S.U.)	GWC-22	No	n/a	NP	19	6.63	0.1407	ln(x)	ShapiroWilk
pH, Field (S.U.)	**GWC-23**	**Yes**	**4.87,7.295**	**NP**	**19**	**6.014**	**0.4285**	**sqrt(x)**	**ShapiroWilk**
pH, Field (S.U.)	GWC-24	No	n/a	NP	18	5.657	0.6198	ln(x)	ShapiroWilk
pH, Field (S.U.)	GWC-25	No	n/a	NP	22	6.131	0.443	sqrt(x)	ShapiroWilk
pH, Field (S.U.)	GWC-26	No	n/a	NP	19	5.696	0.1335	ln(x)	ShapiroWilk
pH, Field (S.U.)	GWC-27	No	n/a	NP	20	5.557	0.1719	ln(x)	ShapiroWilk
pH, Field (S.U.)	GWC-30	No	n/a	NP	20	6.134	0.2674	ln(x)	ShapiroWilk
pH, Field (S.U.)	GWC-31	No	n/a	NP	19	6.089	0.1377	ln(x)	ShapiroWilk
pH, Field (S.U.)	GWC-32	No	n/a	NP	19	6.126	0.1035	x^6	ShapiroWilk
pH, Field (S.U.)	GWC-33	No	n/a	NP	20	6.34	0.2517	normal	ShapiroWilk
pH, Field (S.U.)	**GWC-34**	**Yes**	**6.66**	**NP**	**20**	**5.931**	**0.2259**	**ln(x)**	**ShapiroWilk**
pH, Field (S.U.)	**GWC-35**	**Yes**	**6.32**	**NP**	**20**	**5.601**	**0.2103**	**ln(x)**	**ShapiroWilk**
pH, Field (S.U.)	**GWC-5**	**Yes**	**7.05,7.043**	**NP**	**19**	**6.482**	**0.2909**	**ln(x)**	**ShapiroWilk**
pH, Field (S.U.)	GWC-6	No	n/a	NP	19	6.001	0.1892	ln(x)	ShapiroWilk
pH, Field (S.U.)	GWC-7	No	n/a	NP	19	6.355	0.1008	x^3	ShapiroWilk
pH, Field (S.U.)	GWC-8	No	n/a	NP	21	6.016	0.2101	ln(x)	ShapiroWilk
pH, Field (S.U.)	GWC-9	No	n/a	NP	18	5.81	0.2041	ln(x)	ShapiroWilk
Selenium (mg/L)	GWA-1 (bg)	n/a	n/a	NP	31	0.004856	0.000801	unknown	ShapiroWilk
Selenium (mg/L)	GWA-28 (bg)	n/a	n/a	NP	30	0.004704	0.001126	unknown	ShapiroWilk
Selenium (mg/L)	GWA-29 (bg)	n/a	n/a	NP	28	0.004508	0.001446	unknown	ShapiroWilk
Selenium (mg/L)	GWA-4 (bg)	n/a	n/a	NP	30	0.004862	0.0007559	unknown	ShapiroWilk
Selenium (mg/L)	GWC-11	n/a	n/a	NP	30	0.004395	0.001572	unknown	ShapiroWilk
Selenium (mg/L)	GWC-12	n/a	n/a	NP	30	0.004844	0.0008544	unknown	ShapiroWilk
Selenium (mg/L)	GWC-13	n/a	n/a	NP	30	0.004903	0.0005295	unknown	ShapiroWilk
Selenium (mg/L)	GWC-14	No	n/a	NP	31	0.00414	0.001655	x^2	ShapiroWilk
Selenium (mg/L)	GWC-15	n/a	n/a	NP	30	0.004842	0.0008636	unknown	ShapiroWilk
Selenium (mg/L)	GWC-16	n/a	n/a	NP	30	0.004843	0.0008599	unknown	ShapiroWilk
Selenium (mg/L)	GWC-18	n/a	n/a	NP	30	0.004858	0.0007796	unknown	ShapiroWilk
Selenium (mg/L)	GWC-21	n/a	n/a	NP	30	0.004849	0.0008289	unknown	ShapiroWilk
Selenium (mg/L)	GWC-22	n/a	n/a	NP	30	0.004843	0.0008581	unknown	ShapiroWilk
Selenium (mg/L)	GWC-25	n/a	n/a	NP	29	0.004839	0.0008672	unknown	ShapiroWilk
Selenium (mg/L)	GWC-26	n/a	n/a	NP	30	0.004737	0.001021	unknown	ShapiroWilk
Selenium (mg/L)	GWC-27	n/a	n/a	NP	30	0.004848	0.0008307	unknown	ShapiroWilk
Selenium (mg/L)	GWC-30	n/a	n/a	NP	30	0.004699	0.001147	unknown	ShapiroWilk
Selenium (mg/L)	GWC-31	n/a	n/a	NP	25	0.004137	0.001766	unknown	ShapiroWilk
Selenium (mg/L)	GWC-32	n/a	n/a	NP	30	0.004842	0.0008672	unknown	ShapiroWilk
Selenium (mg/L)	GWC-33	n/a	n/a	NP	29	0.004429	0.001454	unknown	ShapiroWilk
Selenium (mg/L)	GWC-35	n/a	n/a	NP	30	0.004842	0.0008672	unknown	ShapiroWilk
Selenium (mg/L)	GWC-5	n/a	n/a	NP	30	0.004702	0.001138	unknown	ShapiroWilk
Selenium (mg/L)	GWC-6	n/a	n/a	NP	30	0.004704	0.00113	unknown	ShapiroWilk
Selenium (mg/L)	GWC-8	n/a	n/a	NP	30	0.004434	0.001486	unknown	ShapiroWilk
Selenium (mg/L)	GWC-9	n/a	n/a	NP	29	0.004399	0.001529	unknown	ShapiroWilk
Silver (mg/L)	GWA-29 (bg)	No	n/a	NP	23	0.001517	0.0007696	ln(x)	ShapiroWilk
Silver (mg/L)	GWC-11	n/a	n/a	NP	23	0.0009709	0.0001397	unknown	ShapiroWilk
Silver (mg/L)	GWC-12	n/a	n/a	NP	23	0.0009639	0.0001731	unknown	ShapiroWilk
Silver (mg/L)	GWC-14	n/a	n/a	NP	23	0.0009904	0.00004587	unknown	ShapiroWilk
Silver (mg/L)	GWC-16	n/a	n/a	NP	23	0.0009717	0.0001355	unknown	ShapiroWilk
Silver (mg/L)	GWC-17	n/a	n/a	NP	23	0.000977	0.0001105	unknown	ShapiroWilk
Silver (mg/L)	GWC-21	n/a	n/a	NP	23	0.0009839	0.00007715	unknown	ShapiroWilk
Silver (mg/L)	GWC-22	n/a	n/a	NP	23	0.000973	0.0001293	unknown	ShapiroWilk
Silver (mg/L)	GWC-23	n/a	n/a	NP	23	0.0009735	0.0001272	unknown	ShapiroWilk

Tukey's Outlier Test All Wells - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 10:33 AM

Constituent	Well	Outlier	Value(s)	Method	N	Mean	Std. Dev.	Distribution	Normality Test
Silver (mg/L)	GWC-24	n/a	n/a	NP	14	0.0009779	0.00008285	unknown	ShapiroWilk
Silver (mg/L)	GWC-25	n/a	n/a	NP	22	0.00097	0.0001407	unknown	ShapiroWilk
Silver (mg/L)	GWC-26	n/a	n/a	NP	23	0.0009648	0.0001689	unknown	ShapiroWilk
Silver (mg/L)	GWC-27	n/a	n/a	NP	22	0.0009823	0.00008315	unknown	ShapiroWilk
Silver (mg/L)	GWC-31	No	n/a	NP	19	0.001078	0.001664	ln(x)	ShapiroWilk
Silver (mg/L)	GWC-32	n/a	n/a	NP	23	0.0009648	0.0001689	unknown	ShapiroWilk
Silver (mg/L)	GWC-33	n/a	n/a	NP	22	0.0009705	0.0001386	unknown	ShapiroWilk
Silver (mg/L)	GWC-5	n/a	n/a	NP	23	0.0009635	0.0001752	unknown	ShapiroWilk
Silver (mg/L)	GWC-6	n/a	n/a	NP	23	0.001074	0.0004745	unknown	ShapiroWilk
Sulfate as SO4 (mg/L)	GWA-1 (bg)	n/a	n/a	NP	20	1.01	0.1971	unknown	ShapiroWilk
Sulfate as SO4 (mg/L)	GWA-2 (bg)	No	n/a	NP	19	1.274	0.589	ln(x)	ShapiroWilk
Sulfate as SO4 (mg/L)	GWA-28 (bg)	No	n/a	NP	19	1.322	0.5086	ln(x)	ShapiroWilk
Sulfate as SO4 (mg/L)	GWA-29 (bg)	No	n/a	NP	18	8.731	4.663	ln(x)	ShapiroWilk
Sulfate as SO4 (mg/L)	GWA-3 (bg)	No	n/a	NP	12	72.39	60.36	sqrt(x)	ShapiroWilk
Sulfate as SO4 (mg/L)	**GWA-4 (bg)**	**Yes**	**15,7.7**	**NP**	**19**	**9.959**	**1.524**	**ln(x)**	**ShapiroWilk**
Sulfate as SO4 (mg/L)	GWC-10	No	n/a	NP	19	24.9	10.73	sqrt(x)	ShapiroWilk
Sulfate as SO4 (mg/L)	GWC-11	n/a	n/a	NP	18	0.9544	0.2249	unknown	ShapiroWilk
Sulfate as SO4 (mg/L)	GWC-12	No	n/a	NP	19	23.47	3.532	ln(x)	ShapiroWilk
Sulfate as SO4 (mg/L)	**GWC-13**	**Yes**	**4.5**	**NP**	**19**	**2.645**	**0.5086**	**ln(x)**	**ShapiroWilk**
Sulfate as SO4 (mg/L)	GWC-14	No	n/a	NP	19	14.6	7.181	ln(x)	ShapiroWilk
Sulfate as SO4 (mg/L)	GWC-15	No	n/a	NP	19	1.57	0.4117	normal	ShapiroWilk
Sulfate as SO4 (mg/L)	GWC-16	No	n/a	NP	19	0.8591	0.2151	x^2	ShapiroWilk
Sulfate as SO4 (mg/L)	GWC-17	No	n/a	NP	19	0.9298	0.213	x^3	ShapiroWilk
Sulfate as SO4 (mg/L)	GWC-18	No	n/a	NP	19	0.8975	0.1517	normal	ShapiroWilk
Sulfate as SO4 (mg/L)	GWC-19	No	n/a	NP	18	1.137	0.6352	ln(x)	ShapiroWilk
Sulfate as SO4 (mg/L)	GWC-20	No	n/a	NP	19	0.9408	0.162	ln(x)	ShapiroWilk
Sulfate as SO4 (mg/L)	GWC-21	n/a	n/a	NP	19	0.934	0.1982	unknown	ShapiroWilk
Sulfate as SO4 (mg/L)	GWC-22	No	n/a	NP	19	0.8888	0.2145	x^3	ShapiroWilk
Sulfate as SO4 (mg/L)	GWC-23	No	n/a	NP	19	0.8661	0.2366	x^(1/3)	ShapiroWilk
Sulfate as SO4 (mg/L)	**GWC-24**	**Yes**	**2.3**	**NP**	**19**	**0.9789**	**0.3582**	**ln(x)**	**ShapiroWilk**
Sulfate as SO4 (mg/L)	GWC-25	No	n/a	NP	19	11.33	7.753	x^(1/3)	ShapiroWilk
Sulfate as SO4 (mg/L)	GWC-26	No	n/a	NP	19	0.905	0.3154	sqrt(x)	ShapiroWilk
Sulfate as SO4 (mg/L)	GWC-27	No	n/a	NP	19	1.754	0.8617	sqrt(x)	ShapiroWilk
Sulfate as SO4 (mg/L)	**GWC-30**	**Yes**	**3.3**	**NP**	**19**	**1.336**	**0.5023**	**ln(x)**	**ShapiroWilk**
Sulfate as SO4 (mg/L)	GWC-31	No	n/a	NP	14	13.81	3.532	normal	ShapiroWilk
Sulfate as SO4 (mg/L)	GWC-32	No	n/a	NP	19	10.48	1.574	ln(x)	ShapiroWilk
Sulfate as SO4 (mg/L)	GWC-33	No	n/a	NP	18	15.78	6.647	ln(x)	ShapiroWilk
Sulfate as SO4 (mg/L)	**GWC-34**	**Yes**	**3.8**	**NP**	**19**	**1.617**	**0.5636**	**ln(x)**	**ShapiroWilk**
Sulfate as SO4 (mg/L)	**GWC-35**	**Yes**	**4.7**	**NP**	**19**	**2.653**	**0.5479**	**ln(x)**	**ShapiroWilk**
Sulfate as SO4 (mg/L)	GWC-5	No	n/a	NP	19	23.84	6.654	x^2	ShapiroWilk
Sulfate as SO4 (mg/L)	GWC-6	No	n/a	NP	19	13.41	4.535	ln(x)	ShapiroWilk
Sulfate as SO4 (mg/L)	GWC-7	No	n/a	NP	18	66.77	15.88	sqrt(x)	ShapiroWilk
Sulfate as SO4 (mg/L)	GWC-8	No	n/a	NP	18	17.88	6.468	ln(x)	ShapiroWilk
Sulfate as SO4 (mg/L)	GWC-9	No	n/a	NP	19	17.61	7.926	ln(x)	ShapiroWilk
Thallium (mg/L)	GWA-1 (bg)	n/a	n/a	NP	31	0.0008937	0.0002822	unknown	ShapiroWilk
Thallium (mg/L)	GWA-2 (bg)	n/a	n/a	NP	29	0.0009717	0.0001523	unknown	ShapiroWilk
Thallium (mg/L)	GWA-4 (bg)	n/a	n/a	NP	30	0.00094	0.0002283	unknown	ShapiroWilk
Thallium (mg/L)	GWC-11	n/a	n/a	NP	28	0.0009882	0.00006236	unknown	ShapiroWilk
Thallium (mg/L)	GWC-12	n/a	n/a	NP	28	0.0009532	0.0001719	unknown	ShapiroWilk
Thallium (mg/L)	GWC-13	n/a	n/a	NP	28	0.0009721	0.0001474	unknown	ShapiroWilk
Thallium (mg/L)	GWC-14	No	n/a	NP	29	0.0005928	0.0003045	x^(1/3)	ShapiroWilk
Thallium (mg/L)	GWC-15	n/a	n/a	NP	30	0.000953	0.0001793	unknown	ShapiroWilk
Thallium (mg/L)	GWC-19	n/a	n/a	NP	30	0.0009477	0.0002014	unknown	ShapiroWilk
Thallium (mg/L)	GWC-20	n/a	n/a	NP	30	0.0009783	0.0001187	unknown	ShapiroWilk
Thallium (mg/L)	GWC-21	n/a	n/a	NP	30	0.0009373	0.0001944	unknown	ShapiroWilk

Tukey's Outlier Test All Wells - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 10:33 AM

Constituent	Well	Outlier	Value(s)	Method	N	Mean	Std. Dev.	Distribution	Normality Test
Thallium (mg/L)	GWC-22	n/a	n/a	NP	30	0.0009477	0.0001688	unknown	ShapiroWilk
Thallium (mg/L)	GWC-23	n/a	n/a	NP	28	0.0009554	0.000168	unknown	ShapiroWilk
Thallium (mg/L)	GWC-24	n/a	n/a	NP	20	0.000924	0.0002339	unknown	ShapiroWilk
Thallium (mg/L)	GWC-25	n/a	n/a	NP	27	0.0009419	0.0002103	unknown	ShapiroWilk
Thallium (mg/L)	GWC-27	No	n/a	NP	28	0.000288	0.0001629	ln(x)	ShapiroWilk
Thallium (mg/L)	GWC-30	n/a	n/a	NP	28	0.0009718	0.0001493	unknown	ShapiroWilk
Thallium (mg/L)	GWC-31	n/a	n/a	NP	24	0.0009654	0.0001694	unknown	ShapiroWilk
Thallium (mg/L)	GWC-33	No	n/a	NP	27	0.0005889	0.0004063	ln(x)	ShapiroWilk
Thallium (mg/L)	GWC-34	n/a	n/a	NP	29	0.0009703	0.0001597	unknown	ShapiroWilk
Thallium (mg/L)	GWC-35	n/a	n/a	NP	29	0.0009203	0.0002422	unknown	ShapiroWilk
Thallium (mg/L)	GWC-6	No	n/a	NP	30	0.0007979	0.0003737	ln(x)	ShapiroWilk
Thallium (mg/L)	GWC-7	n/a	n/a	NP	28	0.0009673	0.0001729	unknown	ShapiroWilk
Thallium (mg/L)	GWC-8	n/a	n/a	NP	28	0.0008354	0.0003337	unknown	ShapiroWilk
Thallium (mg/L)	GWC-9	n/a	n/a	NP	28	0.0008308	0.0003344	unknown	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWA-1 (bg)	No	n/a	NP	20	13.45	8.294	sqrt(x)	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWA-2 (bg)	No	n/a	NP	19	34.39	20.45	normal	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWA-28 (bg)	No	n/a	NP	19	60.63	19.22	sqrt(x)	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWA-29 (bg)	No	n/a	NP	18	74.89	26.14	x^2	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWA-3 (bg)	No	n/a	NP	12	208.4	99.16	ln(x)	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWA-4 (bg)	No	n/a	NP	19	158.1	20.95	normal	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWC-10	No	n/a	NP	19	158.7	54.2	x^2	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWC-11	No	n/a	NP	19	153.1	59.77	x^2	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWC-12	No	n/a	NP	19	189.8	35.15	normal	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWC-13	No	n/a	NP	19	50.21	15.69	normal	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWC-14	No	n/a	NP	19	304.1	111.2	sqrt(x)	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWC-15	No	n/a	NP	19	80.11	14.91	x^2	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWC-16	No	n/a	NP	19	75.32	25.62	x^3	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWC-17	No	n/a	NP	19	91.05	20.7	x^3	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWC-18	No	n/a	NP	19	76.21	16.41	x^2	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWC-19	No	n/a	NP	19	62.74	21.55	x^2	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWC-20	No	n/a	NP	19	89.47	13.27	ln(x)	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWC-21	No	n/a	NP	19	48.16	16.27	normal	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWC-22	No	n/a	NP	19	96.55	24.71	x^4	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWC-23	No	n/a	NP	19	40.95	28.39	x^(1/3)	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWC-24	No	n/a	NP	19	23	8.75	x^2	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWC-25	No	n/a	NP	19	77.53	20.05	normal	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWC-26	No	n/a	NP	19	37.82	21.01	normal	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWC-27	No	n/a	NP	19	34.26	18.38	x^2	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWC-30	No	n/a	NP	19	42.37	15.41	normal	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWC-31	No	n/a	NP	14	107.6	22.15	ln(x)	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWC-32	No	n/a	NP	19	89.21	20.08	normal	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWC-33	No	n/a	NP	19	103.9	22.33	ln(x)	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWC-34	No	n/a	NP	19	42.37	23.94	normal	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWC-35	No	n/a	NP	19	35.24	14.74	x^2	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWC-5	No	n/a	NP	19	182.2	37.46	x^3	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWC-6	No	n/a	NP	19	114.9	30.12	normal	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWC-7	No	n/a	NP	19	421.6	48.55	ln(x)	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWC-8	No	n/a	NP	19	175.2	40.76	x^2	ShapiroWilk
Total Dissolved Solids [TDS] (mg/L)	GWC-9	No	n/a	NP	19	165.9	65.23	ln(x)	ShapiroWilk
Vanadium (mg/L)	GWA-1 (bg)	n/a	n/a	NP	24	0.001083	0.0003679	unknown	ShapiroWilk
Vanadium (mg/L)	**GWA-2 (bg)**	**Yes**	**0.0024,0.0016,0.0018**	**NP**	**23**	**0.001152**	**0.0003423**	**ln(x)**	**ShapiroWilk**
Vanadium (mg/L)	GWA-28 (bg)	n/a	n/a	NP	23	0.001075	0.0003226	unknown	ShapiroWilk
Vanadium (mg/L)	GWA-29 (bg)	n/a	n/a	NP	23	0.001135	0.0003171	unknown	ShapiroWilk
Vanadium (mg/L)	GWA-3 (bg)	No	n/a	NP	12	0.001367	0.000563	ln(x)	ShapiroWilk
Vanadium (mg/L)	GWA-4 (bg)	No	n/a	NP	23	0.001193	0.0003611	ln(x)	ShapiroWilk

Tukey's Outlier Test All Wells - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 10:33 AM

Constituent	Well	Outlier	Value(s)	Method	N	Mean	Std. Dev.	Distribution	Normality Test
Vanadium (mg/L)	GWC-10	No	n/a	NP	12	0.001492	0.0007971	ln(x)	ShapiroWilk
Vanadium (mg/L)	GWC-11	No	n/a	NP	23	0.00373	0.001594	ln(x)	ShapiroWilk
Vanadium (mg/L)	GWC-12	n/a	n/a	NP	23	0.001017	0.00006503	unknown	ShapiroWilk
Vanadium (mg/L)	GWC-13	n/a	n/a	NP	23	0.001113	0.0002752	unknown	ShapiroWilk
Vanadium (mg/L)	GWC-14	n/a	n/a	NP	23	0.001096	0.0002477	unknown	ShapiroWilk
Vanadium (mg/L)	**GWC-15**	**Yes**	**0.003**	**NP**	**23**	**0.001183**	**0.0004559**	**ln(x)**	**ShapiroWilk**
Vanadium (mg/L)	GWC-16	No	n/a	NP	23	0.004522	0.0009491	sqrt(x)	ShapiroWilk
Vanadium (mg/L)	**GWC-17**	**Yes**	**0.001,0.0014,0.0044,0.005**	**NP**	**23**	**0.002578**	**0.000911**	**ln(x)**	**ShapiroWilk**
Vanadium (mg/L)	GWC-18	No	n/a	NP	23	0.002209	0.0006384	normal	ShapiroWilk
Vanadium (mg/L)	GWC-19	No	n/a	NP	23	0.001239	0.0003823	ln(x)	ShapiroWilk
Vanadium (mg/L)	GWC-20	No	n/a	NP	23	0.003204	0.001511	ln(x)	ShapiroWilk
Vanadium (mg/L)	GWC-21	n/a	n/a	NP	23	0.001143	0.0004336	unknown	ShapiroWilk
Vanadium (mg/L)	GWC-22	No	n/a	NP	23	0.007178	0.001443	ln(x)	ShapiroWilk
Vanadium (mg/L)	GWC-23	n/a	n/a	NP	23	0.001096	0.0002306	unknown	ShapiroWilk
Vanadium (mg/L)	GWC-24	n/a	n/a	NP	14	0.0011	0.0002	unknown	ShapiroWilk
Vanadium (mg/L)	GWC-25	No	n/a	NP	22	0.001765	0.0019	ln(x)	ShapiroWilk
Vanadium (mg/L)	GWC-26	n/a	n/a	NP	23	0.001091	0.0003029	unknown	ShapiroWilk
Vanadium (mg/L)	GWC-27	n/a	n/a	NP	23	0.001004	0.00002085	unknown	ShapiroWilk
Vanadium (mg/L)	GWC-30	No	n/a	NP	23	0.002334	0.0009774	ln(x)	ShapiroWilk
Vanadium (mg/L)	**GWC-31**	**Yes**	**0.0043**	**NP**	**19**	**0.001352**	**0.0008496**	**ln(x)**	**ShapiroWilk**
Vanadium (mg/L)	**GWC-32**	**Yes**	**0.0016,0.003,0.0021**	**NP**	**23**	**0.001187**	**0.0004703**	**ln(x)**	**ShapiroWilk**
Vanadium (mg/L)	**GWC-33**	**Yes**	**0.0052,0.003**	**NP**	**22**	**0.00135**	**0.0009699**	**ln(x)**	**ShapiroWilk**
Vanadium (mg/L)	GWC-34	n/a	n/a	NP	23	0.001239	0.0009519	unknown	ShapiroWilk
Vanadium (mg/L)	GWC-35	n/a	n/a	NP	23	0.001187	0.0004404	unknown	ShapiroWilk
Vanadium (mg/L)	GWC-5	No	n/a	NP	23	0.003857	0.001326	ln(x)	ShapiroWilk
Vanadium (mg/L)	GWC-6	n/a	n/a	NP	23	0.001448	0.001243	unknown	ShapiroWilk
Vanadium (mg/L)	**GWC-7**	**Yes**	**0.0057**	**NP**	**23**	**0.002535**	**0.001037**	**sqrt(x)**	**ShapiroWilk**
Vanadium (mg/L)	GWC-8	No	n/a	NP	23	0.001309	0.0006508	ln(x)	ShapiroWilk
Vanadium (mg/L)	GWC-9	No	n/a	NP	23	0.001313	0.0005294	ln(x)	ShapiroWilk
Zinc (mg/L)	**GWA-1 (bg)**	**Yes**	**0.078**	**NP**	**24**	**0.007858**	**0.01501**	**ln(x)**	**ShapiroWilk**
Zinc (mg/L)	GWA-2 (bg)	No	n/a	NP	23	0.004896	0.001138	normal	ShapiroWilk
Zinc (mg/L)	GWA-28 (bg)	No	n/a	NP	23	0.01095	0.01293	ln(x)	ShapiroWilk
Zinc (mg/L)	GWA-29 (bg)	No	n/a	NP	23	0.03061	0.009263	ln(x)	ShapiroWilk
Zinc (mg/L)	GWA-3 (bg)	No	n/a	NP	12	0.01871	0.01103	x^(1/3)	ShapiroWilk
Zinc (mg/L)	**GWA-4 (bg)**	**Yes**	**0.00085,0.052,0.044**	**NP**	**23**	**0.008824**	**0.01271**	**ln(x)**	**ShapiroWilk**
Zinc (mg/L)	**GWC-10**	**Yes**	**0.013,0.011**	**NP**	**12**	**0.0057**	**0.00305**	**ln(x)**	**ShapiroWilk**
Zinc (mg/L)	GWC-11	n/a	n/a	NP	23	0.005044	0.003049	unknown	ShapiroWilk
Zinc (mg/L)	GWC-12	n/a	n/a	NP	23	0.004952	0.001146	unknown	ShapiroWilk
Zinc (mg/L)	**GWC-13**	**Yes**	**0.0085**	**NP**	**23**	**0.004548**	**0.001423**	**normal**	**ShapiroWilk**
Zinc (mg/L)	GWC-14	No	n/a	NP	23	0.008204	0.005388	x^(1/3)	ShapiroWilk
Zinc (mg/L)	GWC-15	n/a	n/a	NP	23	0.004657	0.001015	unknown	ShapiroWilk
Zinc (mg/L)	GWC-16	No	n/a	NP	23	0.00445	0.001664	normal	ShapiroWilk
Zinc (mg/L)	**GWC-17**	**Yes**	**0.012**	**NP**	**23**	**0.004609**	**0.002038**	**x^(1/3)**	**ShapiroWilk**
Zinc (mg/L)	GWC-18	n/a	n/a	NP	23	0.004118	0.00156	unknown	ShapiroWilk
Zinc (mg/L)	GWC-19	No	n/a	NP	23	0.01042	0.008018	ln(x)	ShapiroWilk
Zinc (mg/L)	GWC-20	n/a	n/a	NP	23	0.005129	0.003006	unknown	ShapiroWilk
Zinc (mg/L)	GWC-21	No	n/a	NP	23	0.005896	0.001945	ln(x)	ShapiroWilk
Zinc (mg/L)	GWC-22	n/a	n/a	NP	23	0.004742	0.001386	unknown	ShapiroWilk
Zinc (mg/L)	**GWC-23**	**Yes**	**0.032**	**NP**	**23**	**0.005822**	**0.005815**	**ln(x)**	**ShapiroWilk**
Zinc (mg/L)	GWC-24	No	n/a	NP	14	0.009521	0.005031	ln(x)	ShapiroWilk
Zinc (mg/L)	GWC-25	No	n/a	NP	22	0.01237	0.009013	ln(x)	ShapiroWilk
Zinc (mg/L)	**GWC-26**	**Yes**	**0.019,0.015**	**NP**	**23**	**0.005752**	**0.003819**	**ln(x)**	**ShapiroWilk**
Zinc (mg/L)	**GWC-27**	**Yes**	**0.02**	**NP**	**23**	**0.006313**	**0.004062**	**ln(x)**	**ShapiroWilk**
Zinc (mg/L)	**GWC-30**	**Yes**	**0.0014,0.019,0.022,0.078**	**NP**	**23**	**0.009478**	**0.01566**	**ln(x)**	**ShapiroWilk**
Zinc (mg/L)	GWC-31	No	n/a	NP	19	0.01993	0.01783	ln(x)	ShapiroWilk

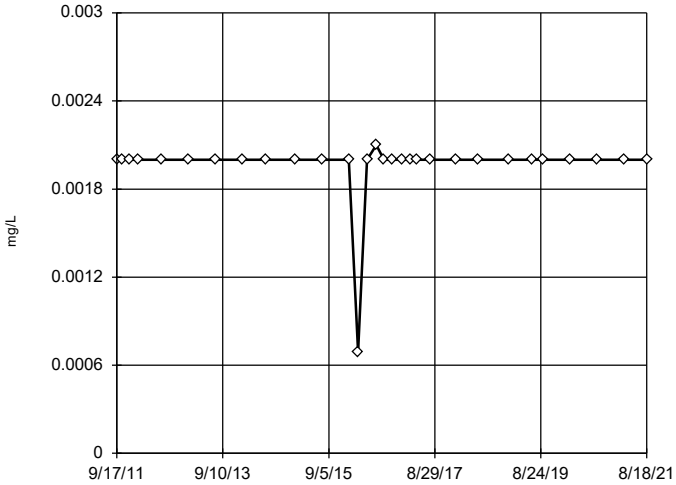
Tukey's Outlier Test All Wells - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 10:33 AM

Constituent	Well	Outlier	Value(s)	Method	N	Mean	Std. Dev.	Distribution	Normality Test
Zinc (mg/L)	GWC-32	No	n/a	NP	23	0.06974	0.02906	sqrt(x)	ShapiroWilk
Zinc (mg/L)	GWC-33	No	n/a	NP	22	0.006114	0.002226	ln(x)	ShapiroWilk
Zinc (mg/L)	GWC-34	No	n/a	NP	23	0.004319	0.001382	x^2	ShapiroWilk
Zinc (mg/L)	GWC-35	No	n/a	NP	23	0.004139	0.001382	x^2	ShapiroWilk
Zinc (mg/L)	GWC-5	No	n/a	NP	23	0.00427	0.001306	x^2	ShapiroWilk
Zinc (mg/L)	**GWC-6**	**Yes**	**0.049**	**NP**	**23**	**0.0062**	**0.009417**	**ln(x)**	**ShapiroWilk**
Zinc (mg/L)	**GWC-7**	**Yes**	**0.038**	**NP**	**23**	**0.006057**	**0.00716**	**ln(x)**	**ShapiroWilk**
Zinc (mg/L)	**GWC-8**	**Yes**	**0.044**	**NP**	**23**	**0.006139**	**0.00845**	**ln(x)**	**ShapiroWilk**
Zinc (mg/L)	**GWC-9**	**Yes**	**0.0086,0.0016,0.0021,0.0094**	**NP**	**22**	**0.005055**	**0.00183**	**sqrt(x)**	**ShapiroWilk**

Tukey's Outlier Screening

GWA-2 (bg)



n = 30

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

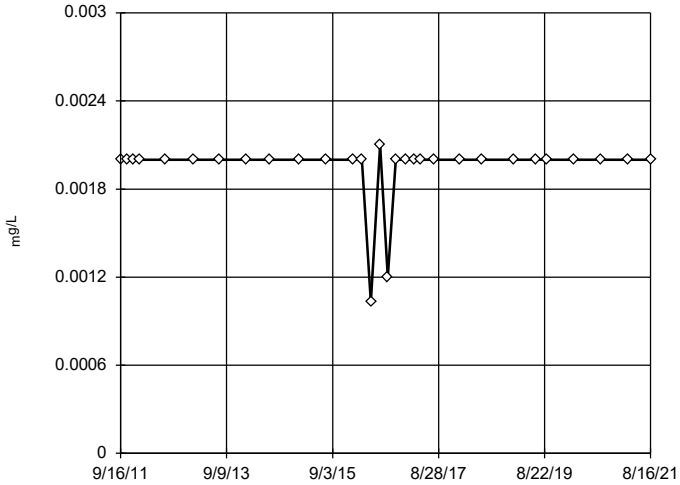
Constituent: Antimony Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-28 (bg)



n = 30

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

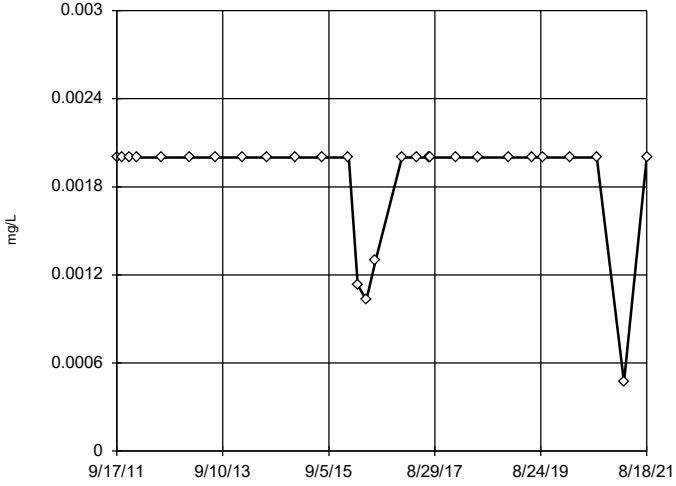
Constituent: Antimony Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-29 (bg)



n = 28

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

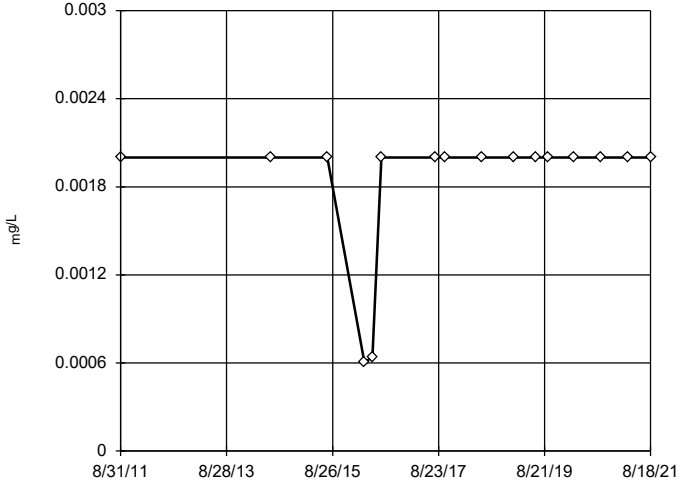
Constituent: Antimony Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-3 (bg)



n = 16

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

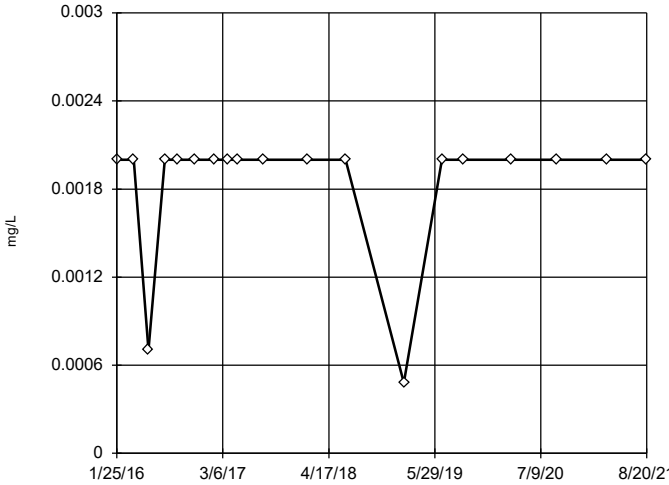
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-10



n = 19

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

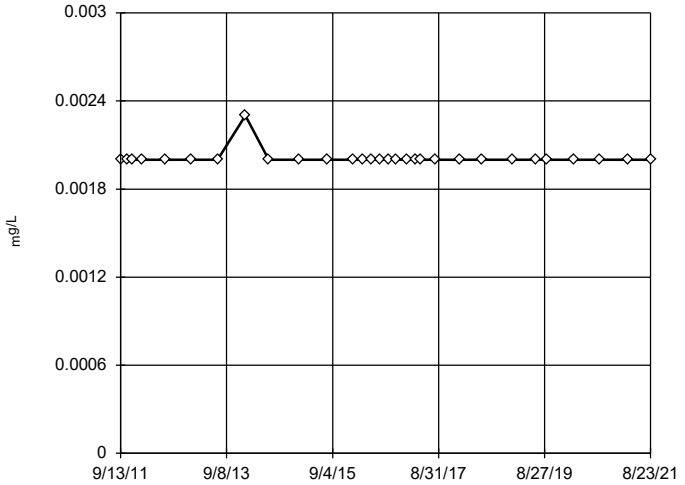
Constituent: Antimony Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-11



n = 30

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

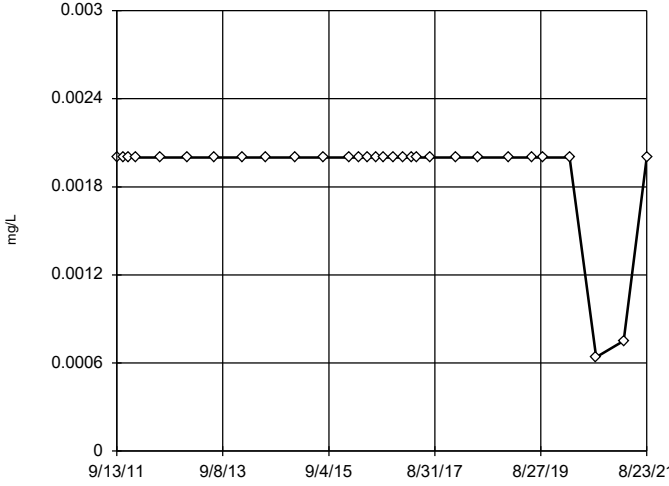
Constituent: Antimony Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-13



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

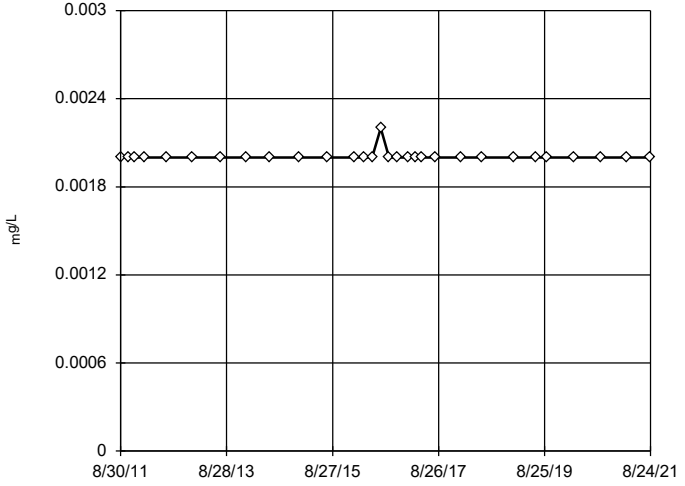
Constituent: Antimony Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-18



n = 30

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

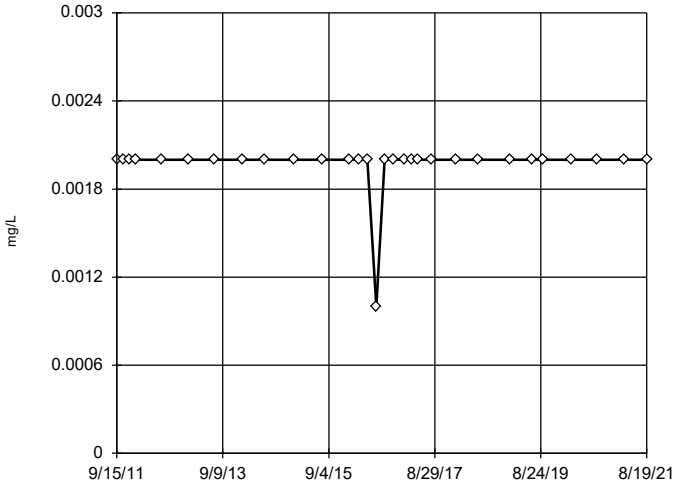
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-22



n = 30

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

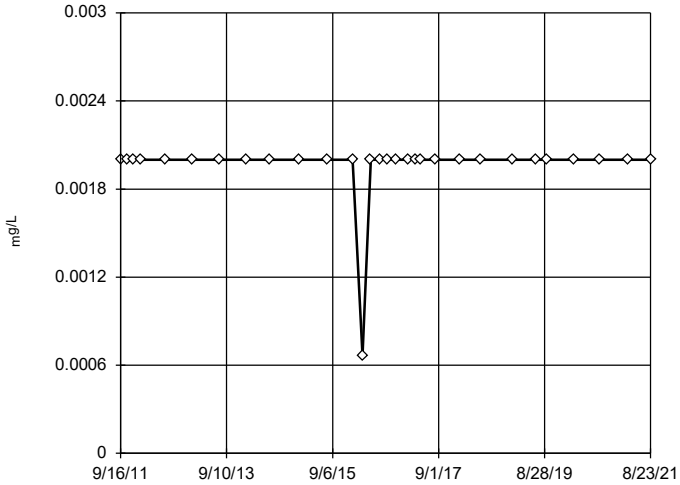
Constituent: Antimony Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-23



n = 30

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

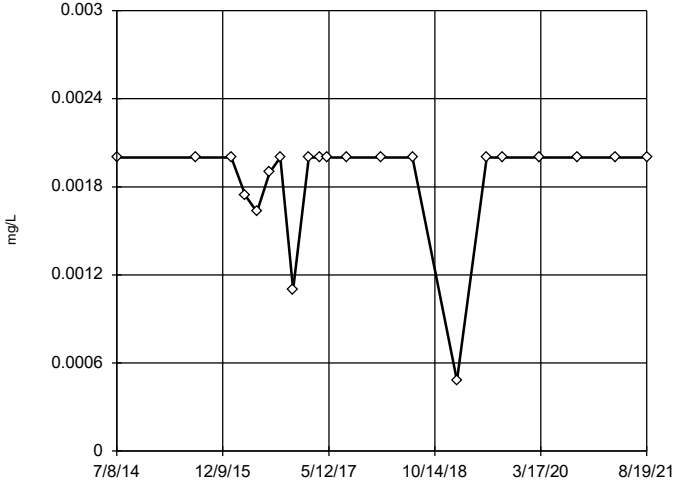
Constituent: Antimony Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-24



n = 21

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because both the lower and upper quartiles represent reporting limits.

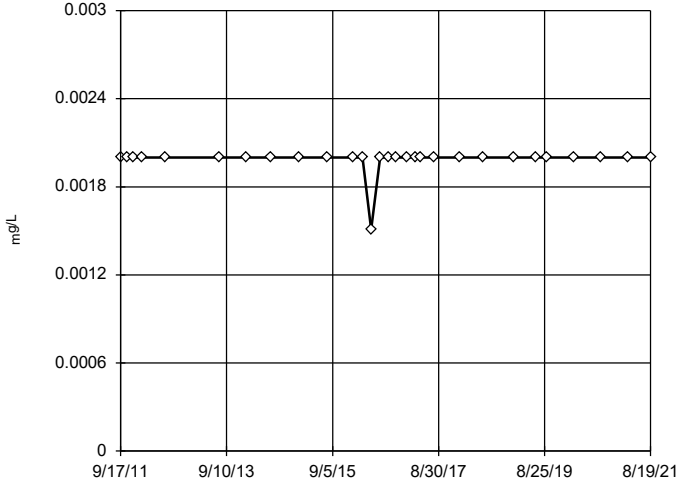
Constituent: Antimony Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-25



n = 29

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

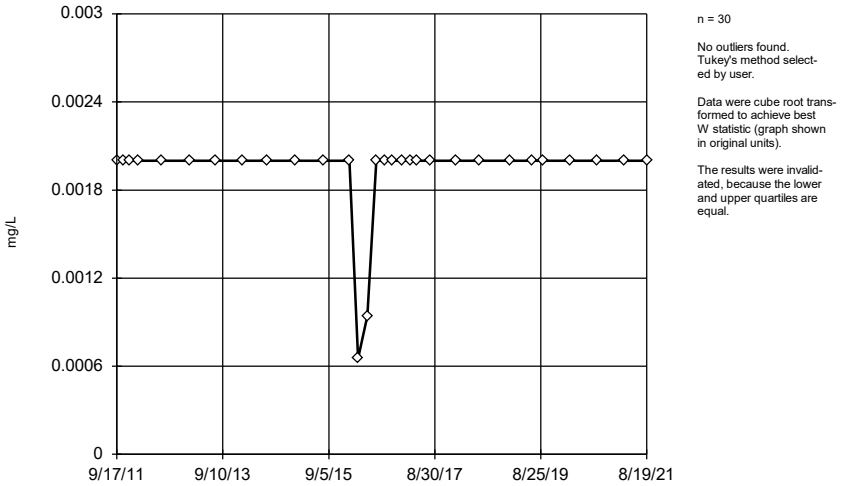
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-26



n = 30

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

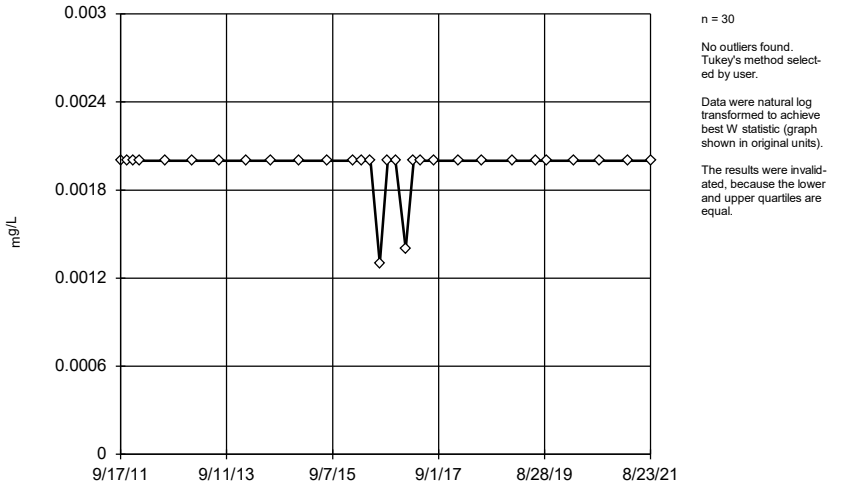
Constituent: Antimony Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-27



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

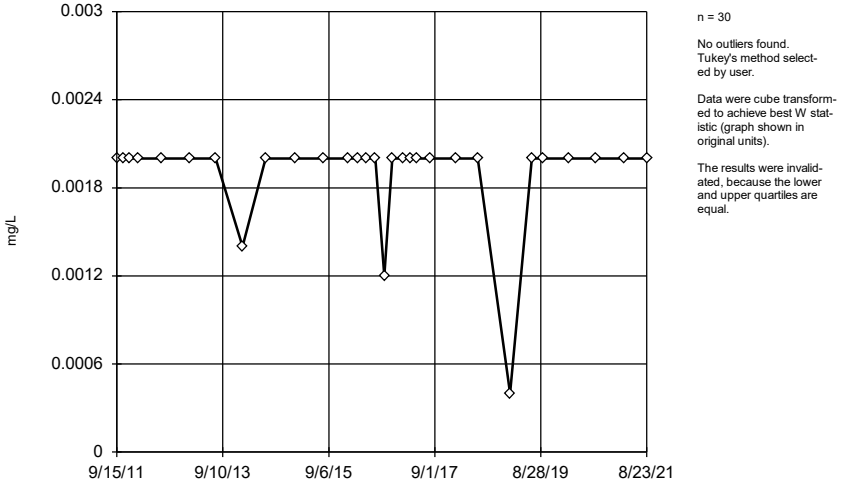
Constituent: Antimony Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-30



n = 30

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

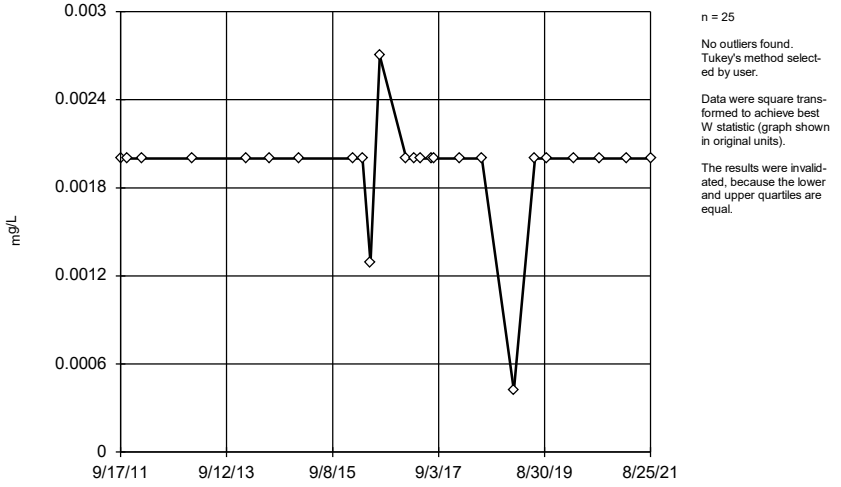
Constituent: Antimony Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-31



n = 25

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

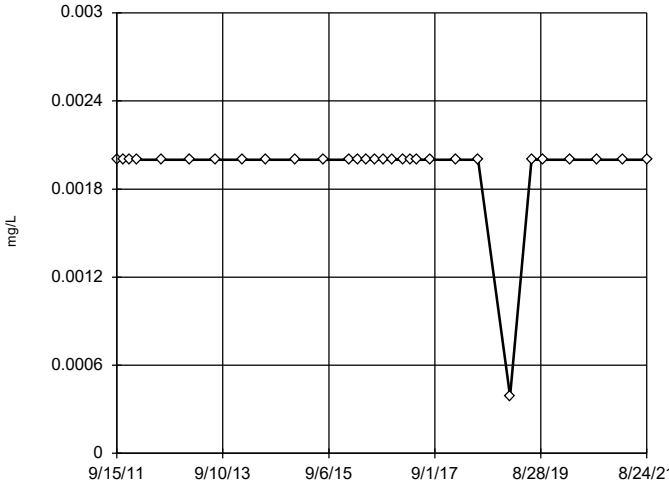
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-32



n = 30

No outliers found. Tukey's method selected by user.

Data were x^5 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

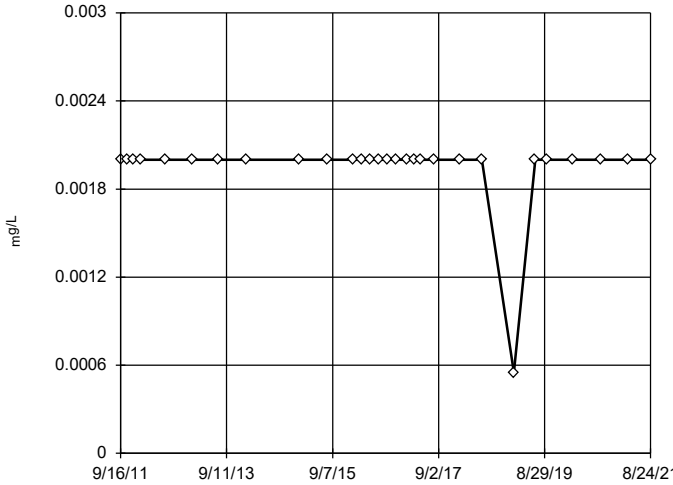
Constituent: Antimony Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-33



n = 29

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

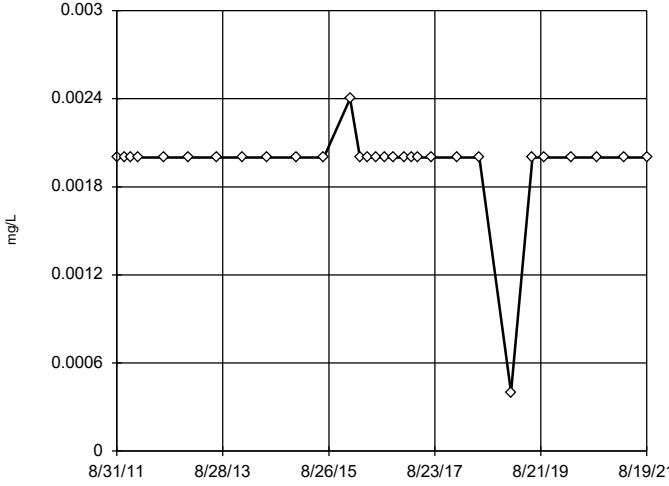
Constituent: Antimony Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-5



n = 30

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

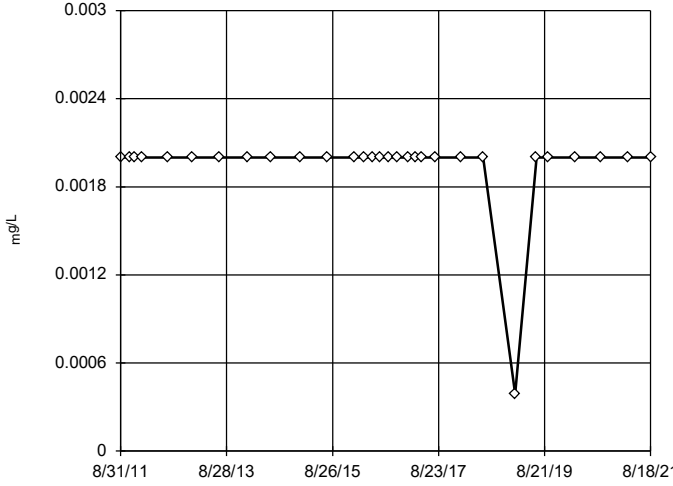
Constituent: Antimony Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-6



n = 30

No outliers found. Tukey's method selected by user.

Data were x^5 transformed to achieve best W statistic (graph shown in original units).

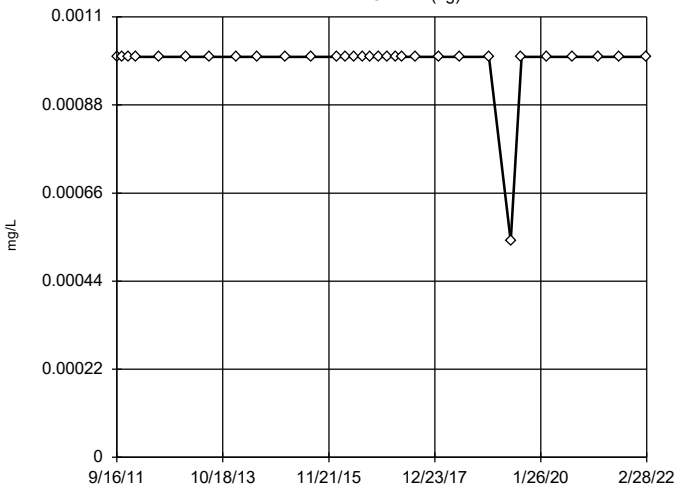
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Antimony Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWA-1 (bg)



n = 31

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

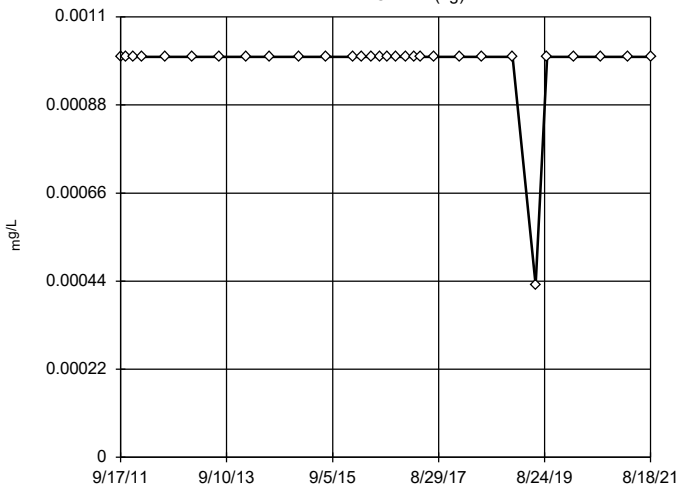
Constituent: Arsenic Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-2 (bg)



n = 30

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

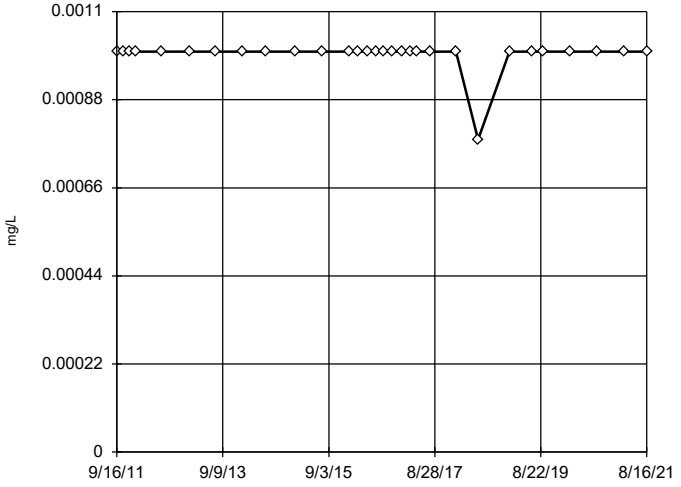
Constituent: Arsenic Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-28 (bg)



n = 30

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

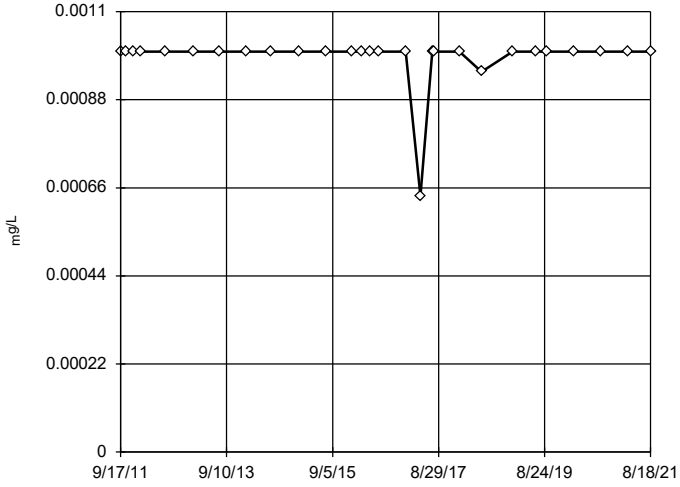
Constituent: Arsenic Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-29 (bg)



n = 28

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

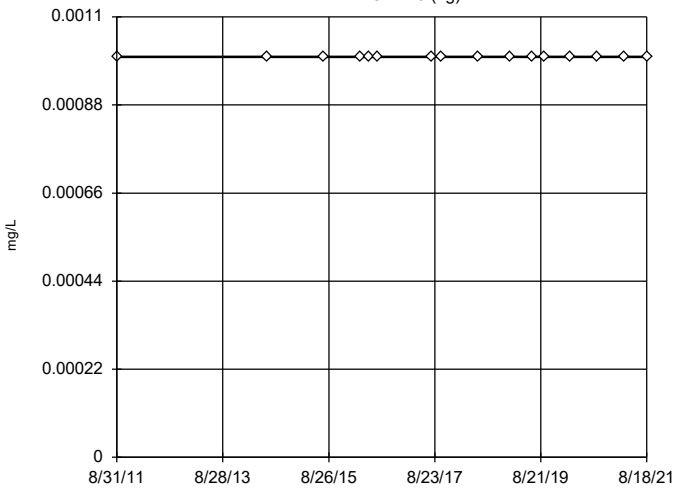
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWA-3 (bg)



n = 16

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

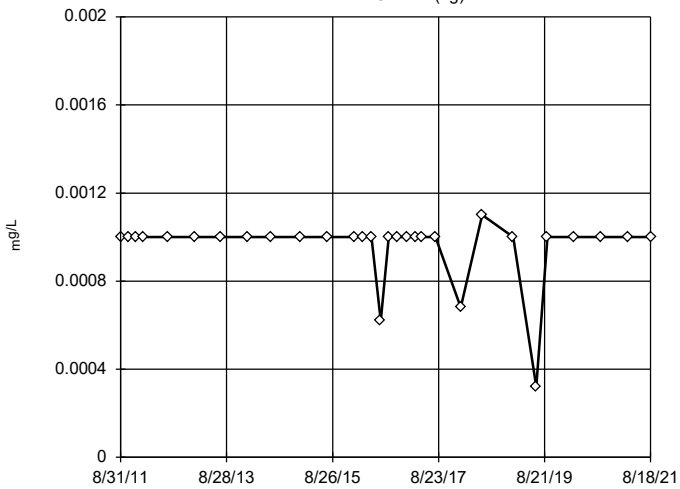
Constituent: Arsenic Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-4 (bg)



n = 30

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

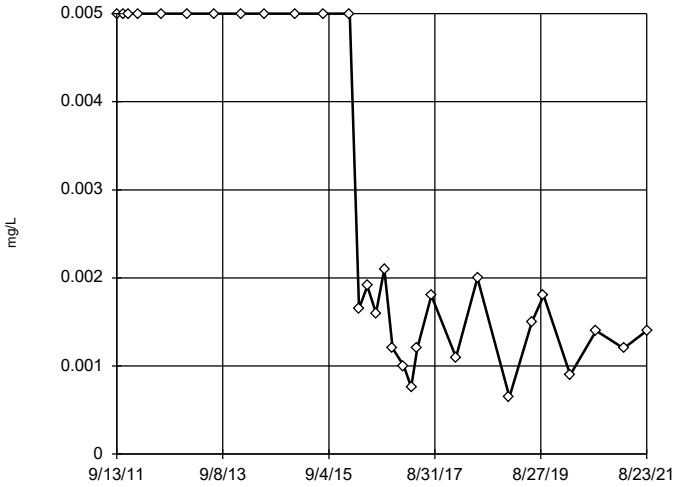
Constituent: Arsenic Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-11



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.3617, low cutoff = 0.00001659, based on IQR multiplier of 3.

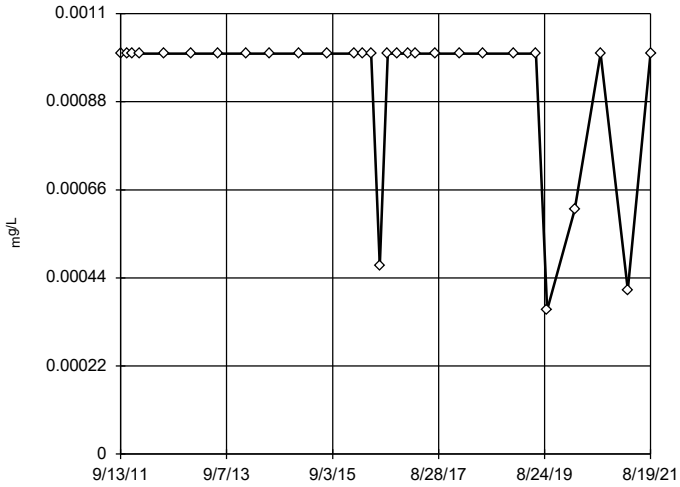
Constituent: Arsenic Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-12



n = 29

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

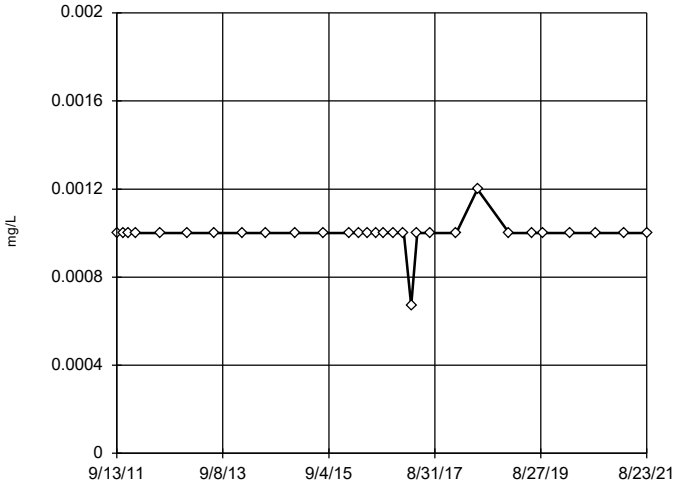
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-13



n = 30

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

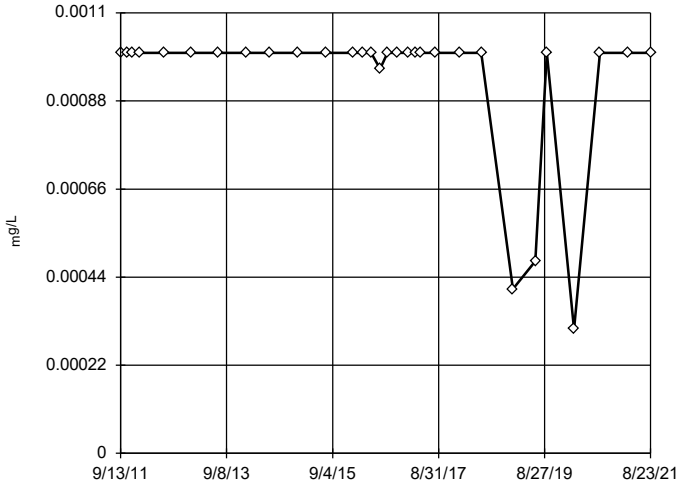
Constituent: Arsenic Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-14



n = 30

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

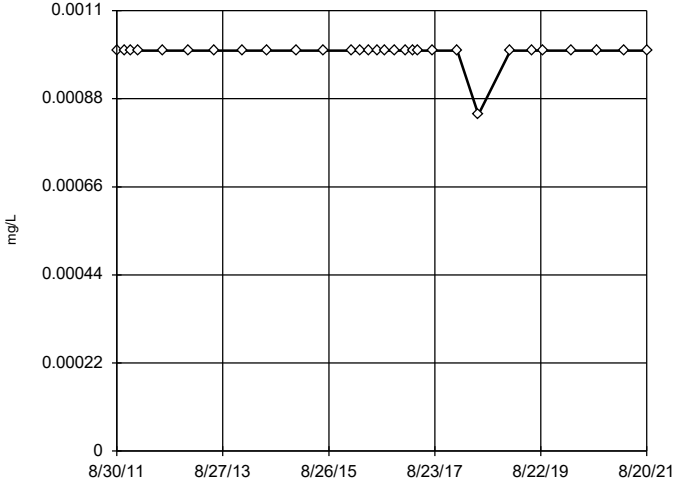
Constituent: Arsenic Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-16



n = 30

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

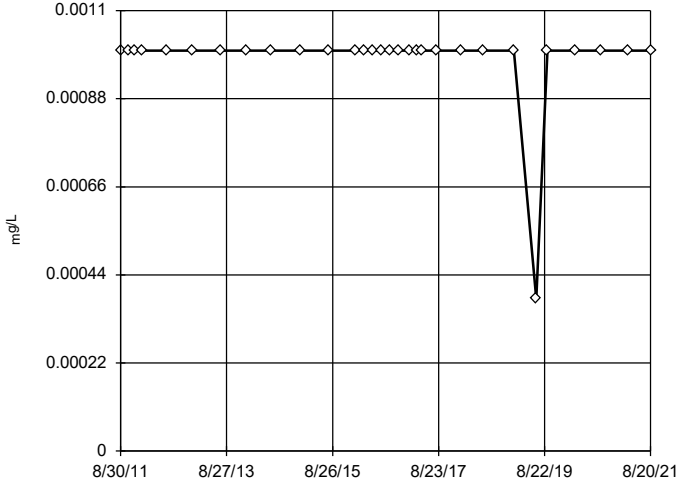
Constituent: Arsenic Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-17



n = 30

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

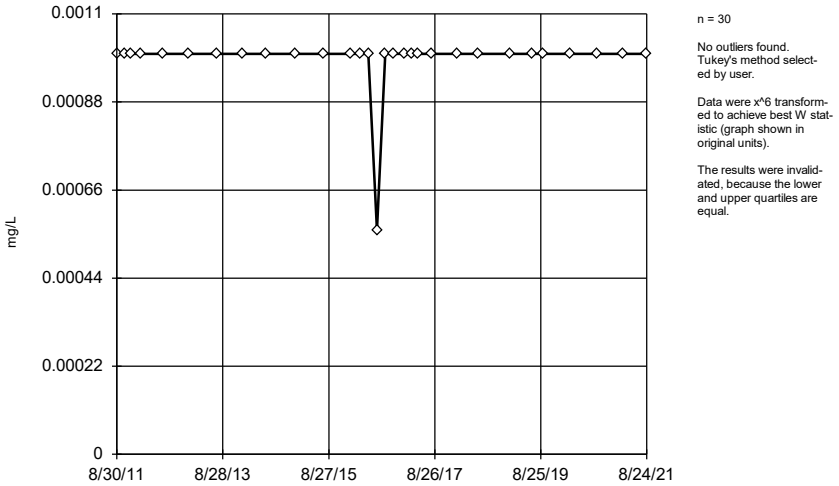
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-18



n = 30

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

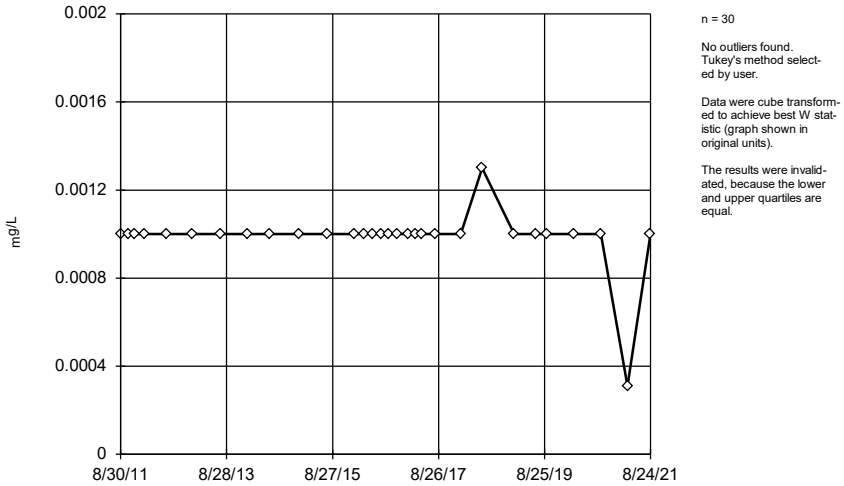
Constituent: Arsenic Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-19



n = 30

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

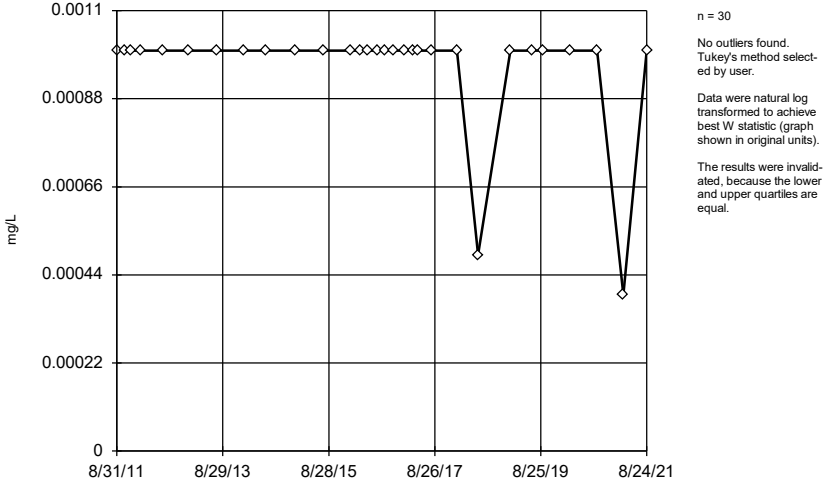
Constituent: Arsenic Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-20



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

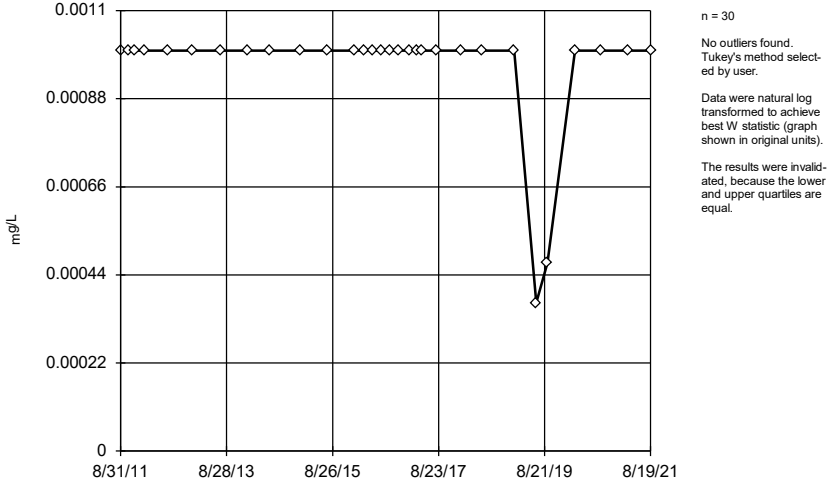
Constituent: Arsenic Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-21



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

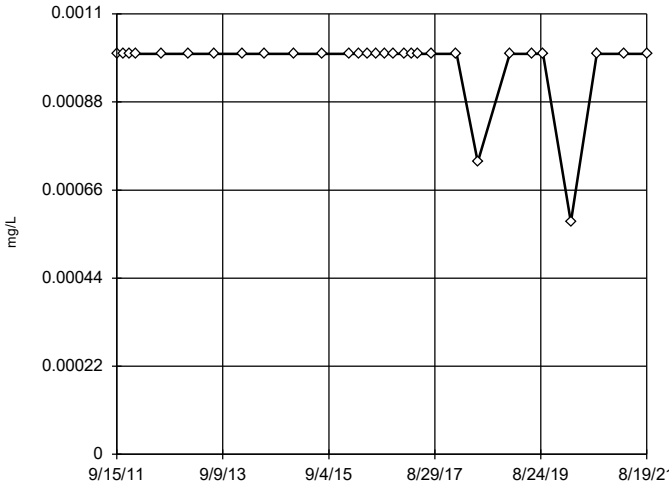
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-22



n = 30

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

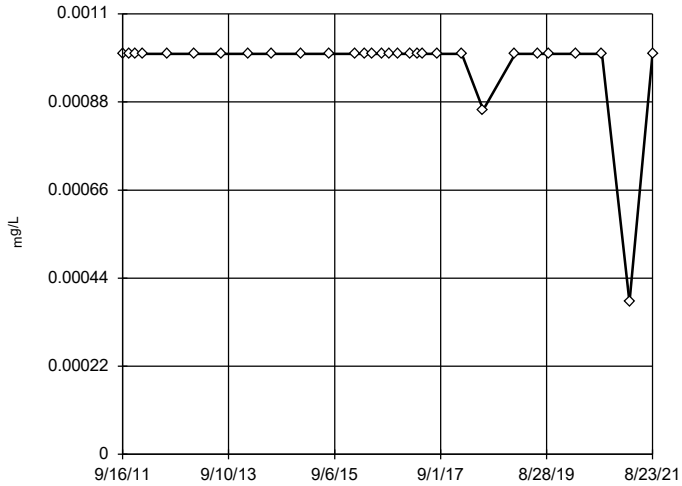
Constituent: Arsenic Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-23



n = 30

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

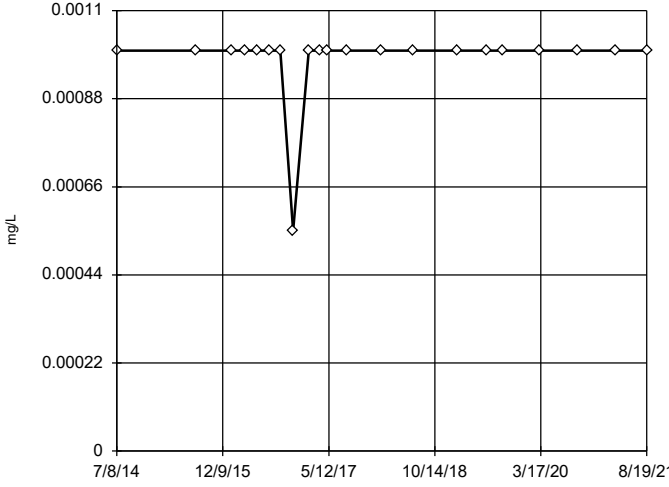
Constituent: Arsenic Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-24



n = 21

No outliers found. Tukey's method selected by user.

Data were x^5 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

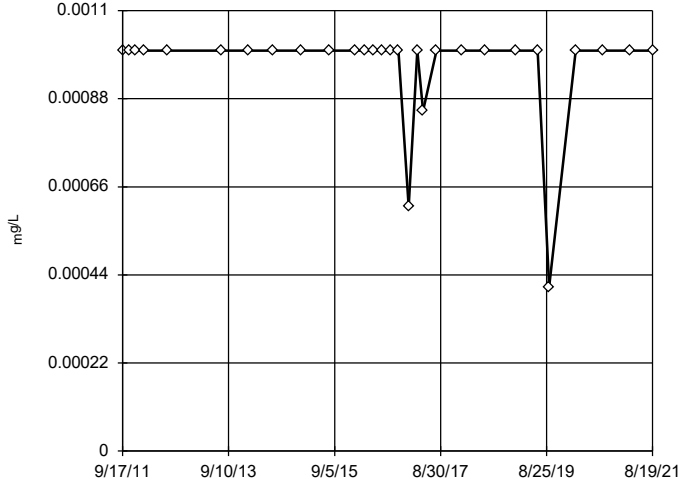
Constituent: Arsenic Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-25



n = 29

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

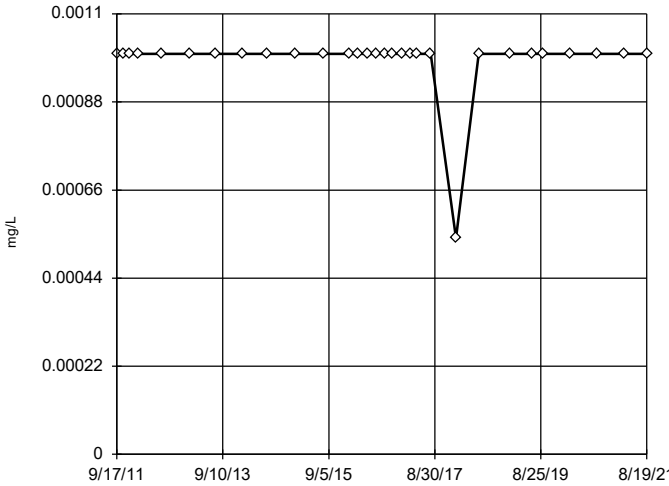
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-26



n = 30

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

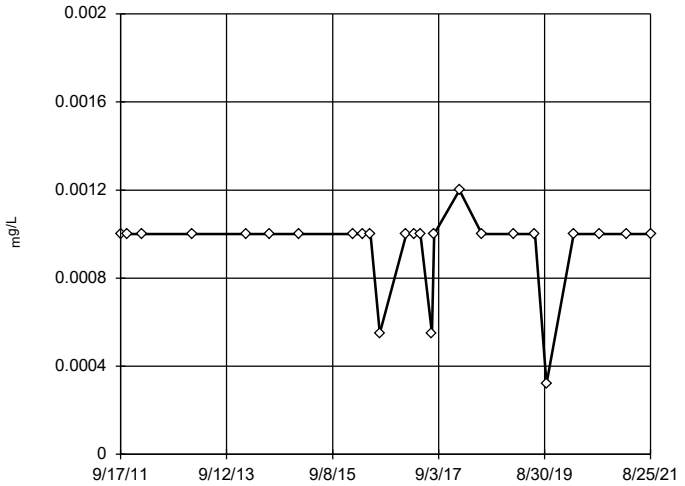
Constituent: Arsenic Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-31



n = 25

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

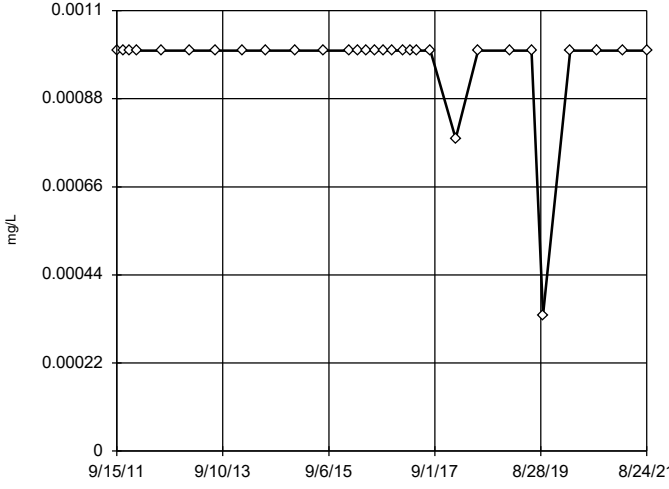
Constituent: Arsenic Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-32



n = 30

No outliers found. Tukey's method selected by user.

Data were x^5 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

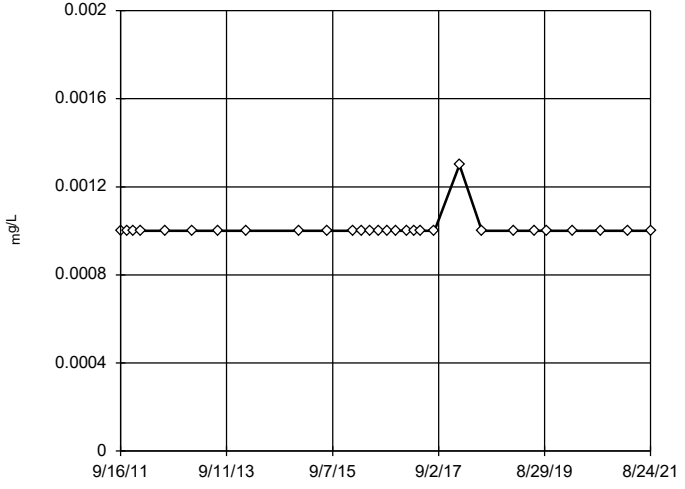
Constituent: Arsenic Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-33



n = 29

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

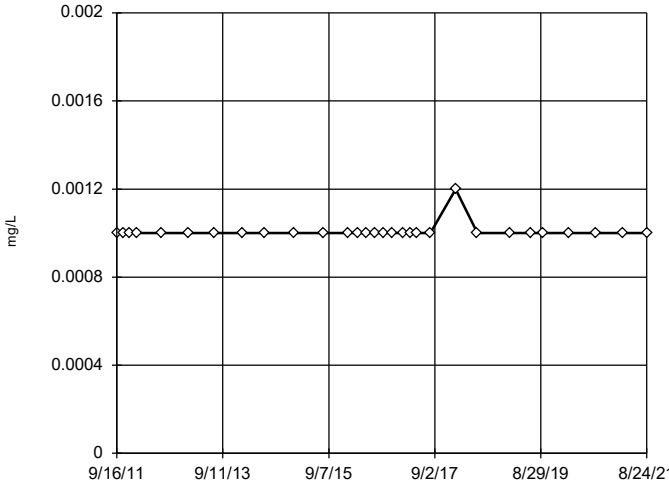
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-34



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

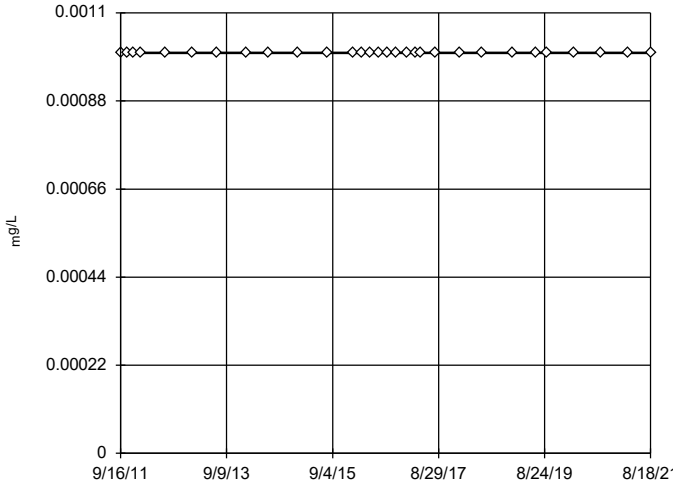
Constituent: Arsenic Analysis Run 5/11/2022 10:20 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-35



n = 30

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

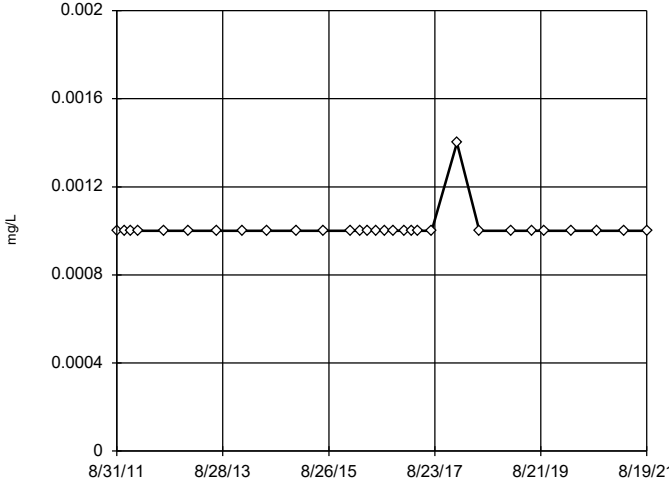
Constituent: Arsenic Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-5



n = 30

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

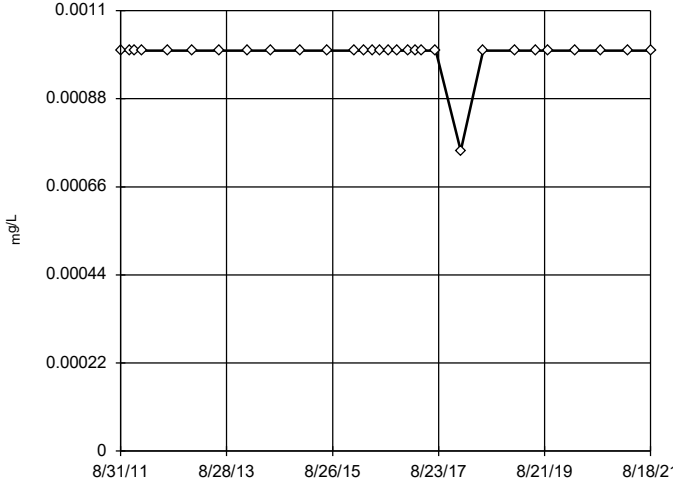
Constituent: Arsenic Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-6



n = 30

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

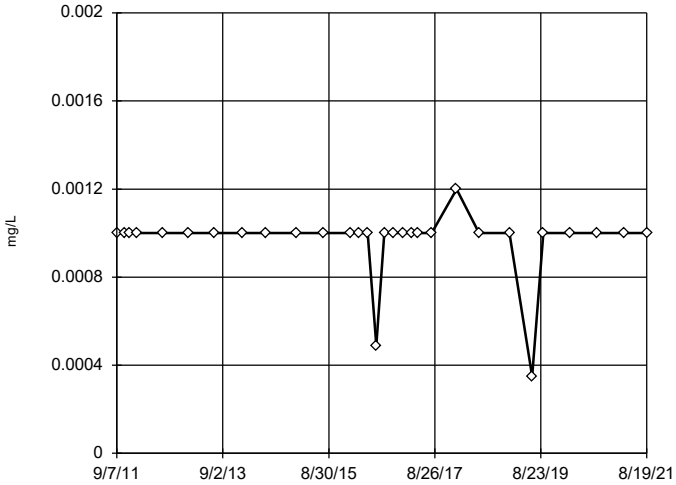
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Arsenic Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-7



n = 30

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

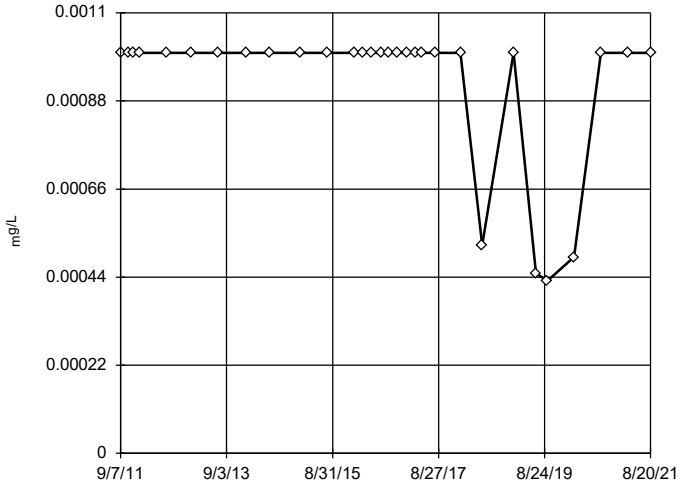
Constituent: Arsenic Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-8



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

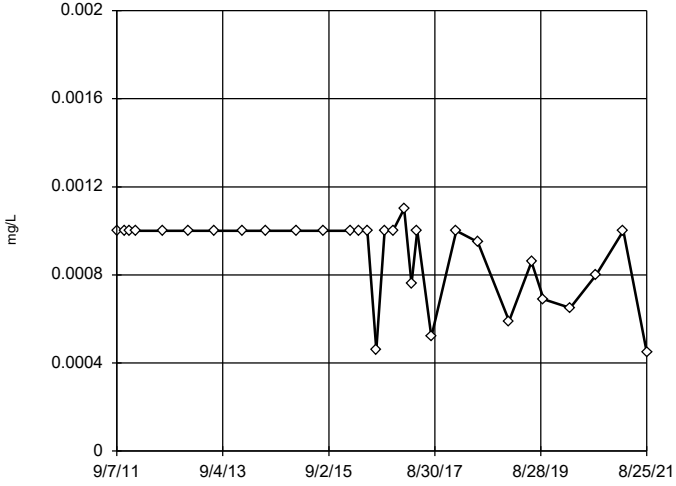
Constituent: Arsenic Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-9



n = 30

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because both the lower and upper quartiles represent reporting limits.

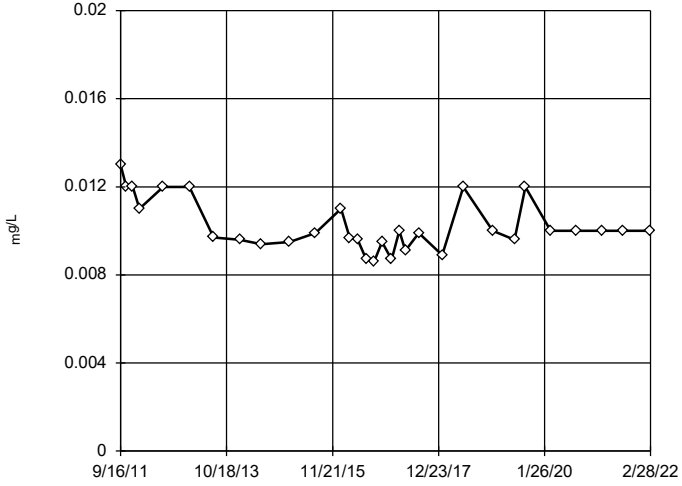
Constituent: Arsenic Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-1 (bg)



n = 31

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

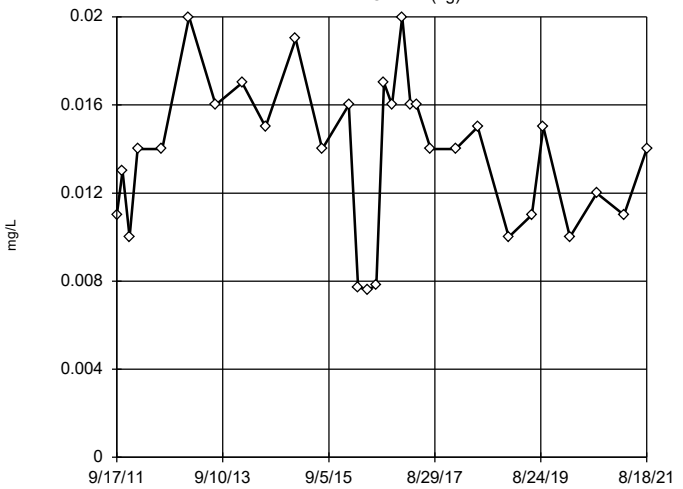
High cutoff = 0.01708, low cutoff = 0.00612, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWA-2 (bg)



n = 30

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 0.031, low cutoff = -0.004, based on IQR multiplier of 3.

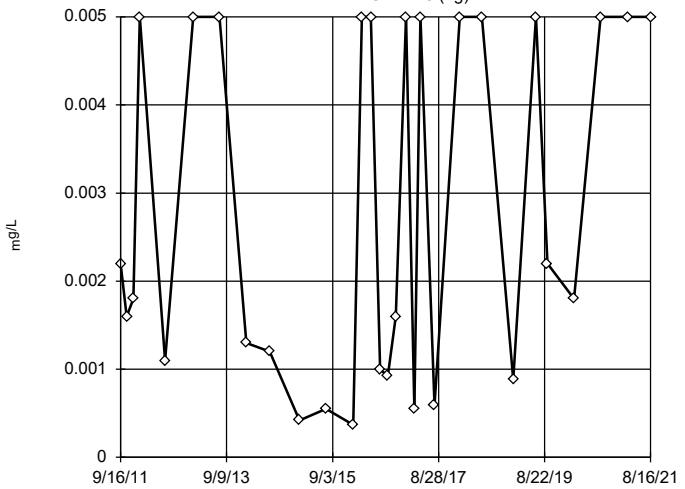
Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-28 (bg)



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.7083, low cutoff = 0.000006771, based on IQR multiplier of 3.

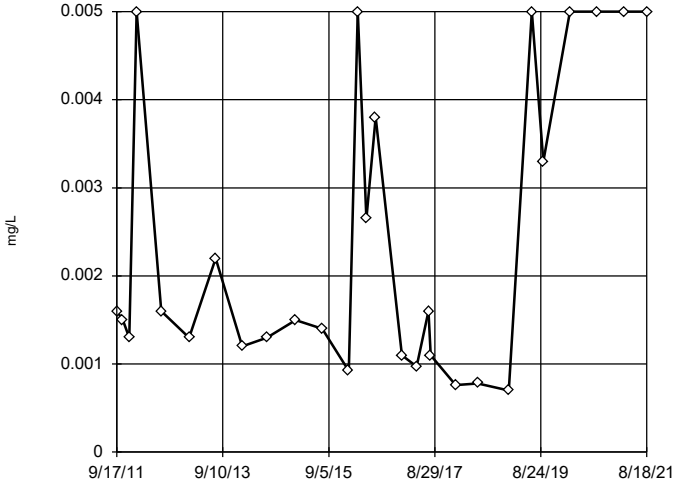
Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-29 (bg)



n = 28

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.238, low cutoff = 0.00002104, based on IQR multiplier of 3.

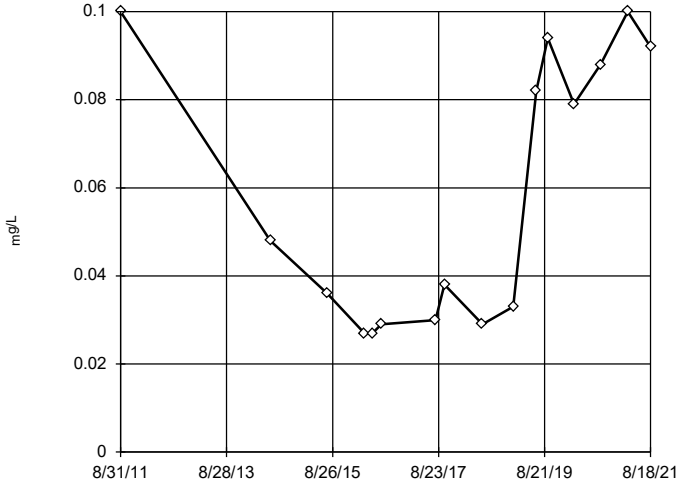
Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-3 (bg)



n = 16

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

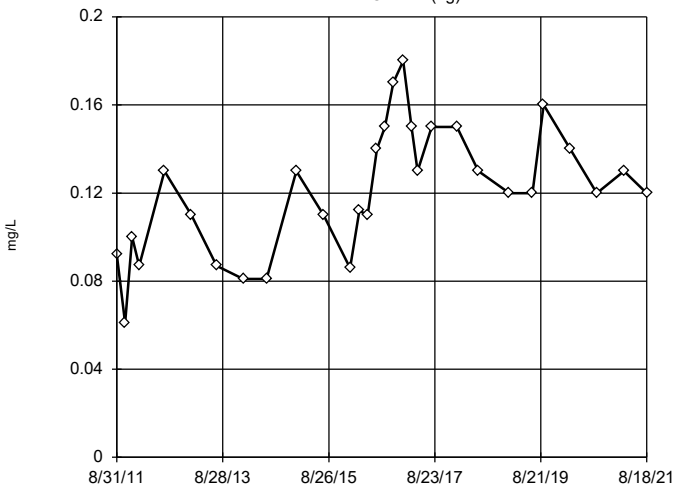
High cutoff = 2.554, low cutoff = 0.001039, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWA-4 (bg)



n = 30

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 0.292, low cutoff = -0.051, based on IQR multiplier of 3.

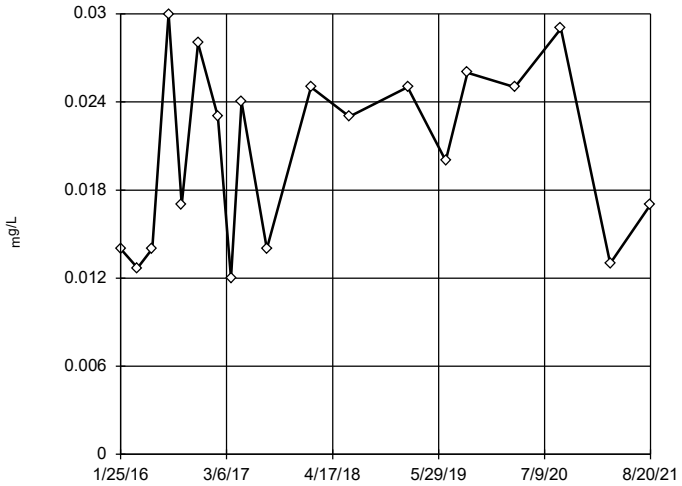
Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-10



n = 19

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.04373, low cutoff = -0.03303, based on IQR multiplier of 3.

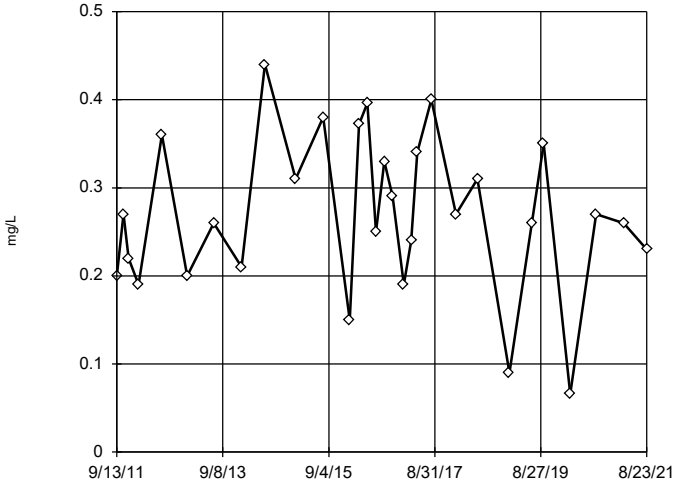
Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-11



n = 30

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 0.765, low cutoff = -0.215, based on IQR multiplier of 3.

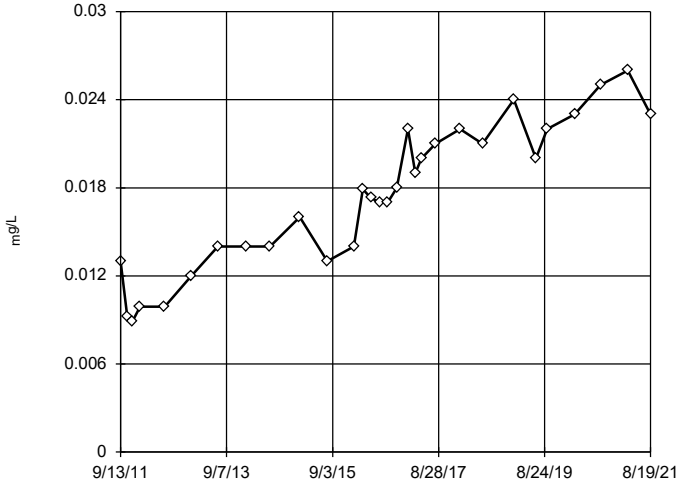
Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-12



n = 30

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

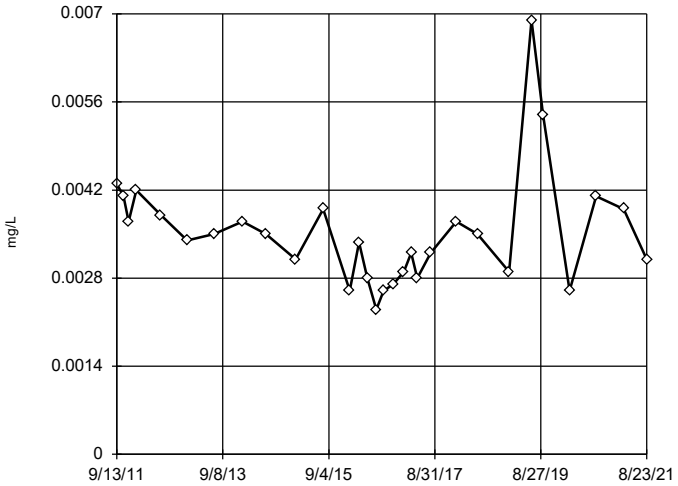
High cutoff = 0.0475, low cutoff = -0.012, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-13



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.009998, low cutoff = 0.001112, based on IQR multiplier of 3.

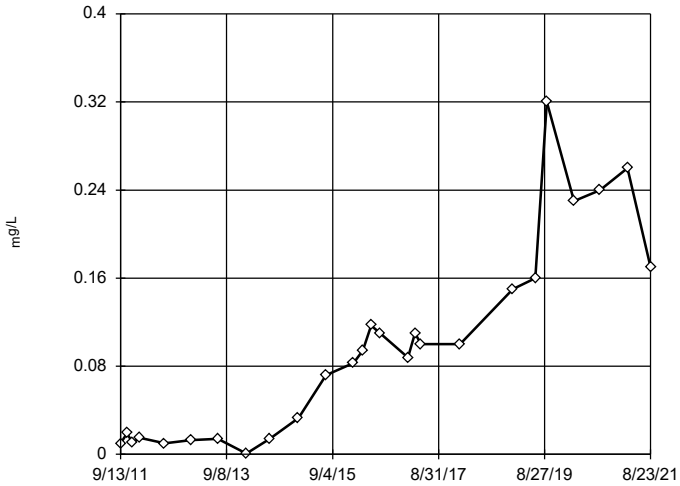
Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-14



n = 26

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 2.896, low cutoff = -0.2712, based on IQR multiplier of 3.

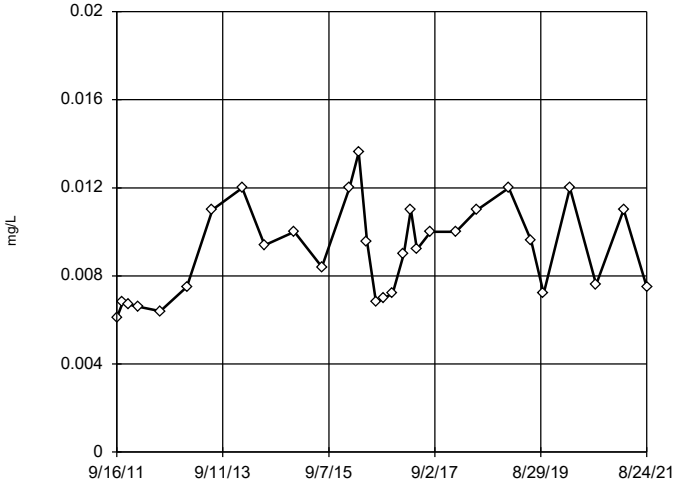
Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-15



n = 30

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.03067, low cutoff = 0.001048, based on IQR multiplier of 3.

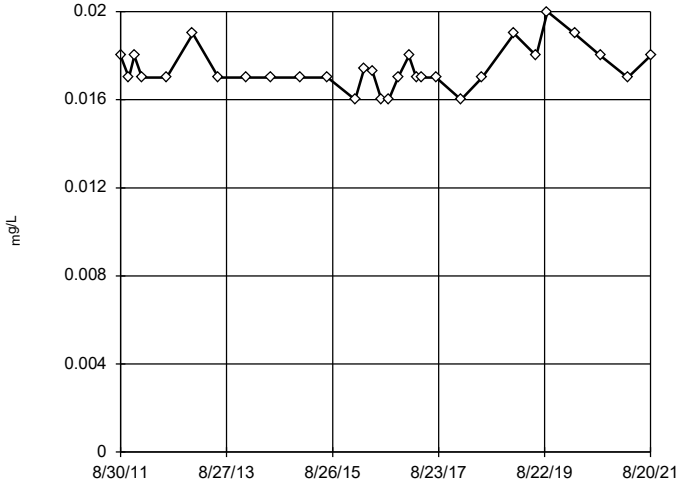
Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-16



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

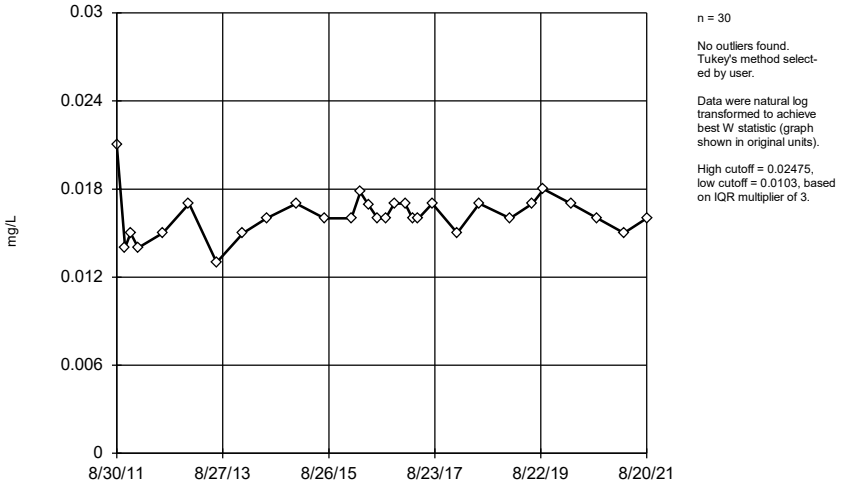
High cutoff = 0.02137, low cutoff = 0.01432, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-17



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.02475, low cutoff = 0.0103, based on IQR multiplier of 3.

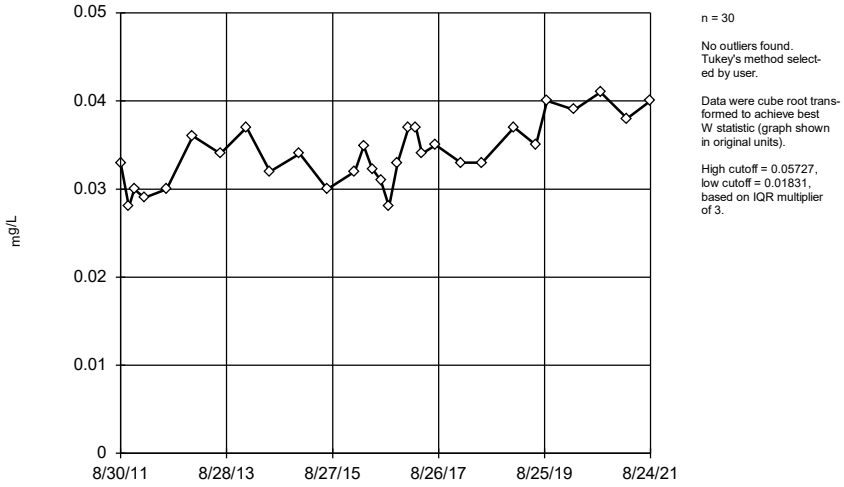
Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-18



n = 30

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.05727, low cutoff = 0.01831, based on IQR multiplier of 3.

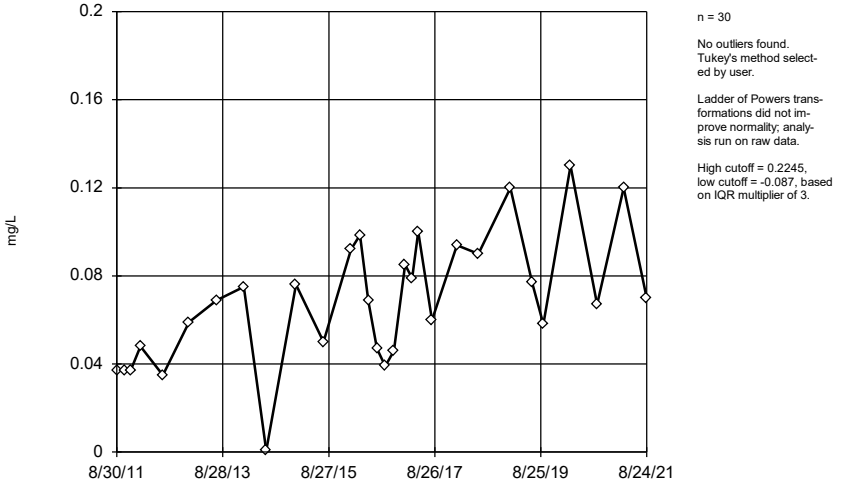
Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-19



n = 30

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 0.2245, low cutoff = -0.087, based on IQR multiplier of 3.

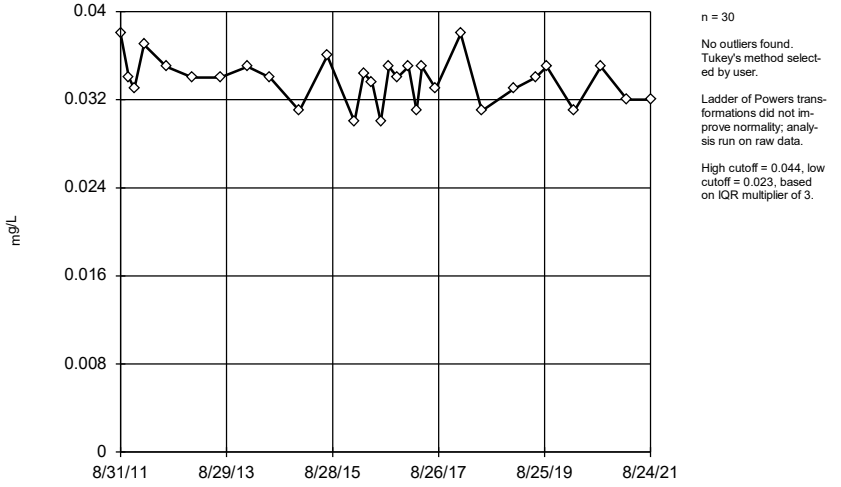
Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-20



n = 30

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

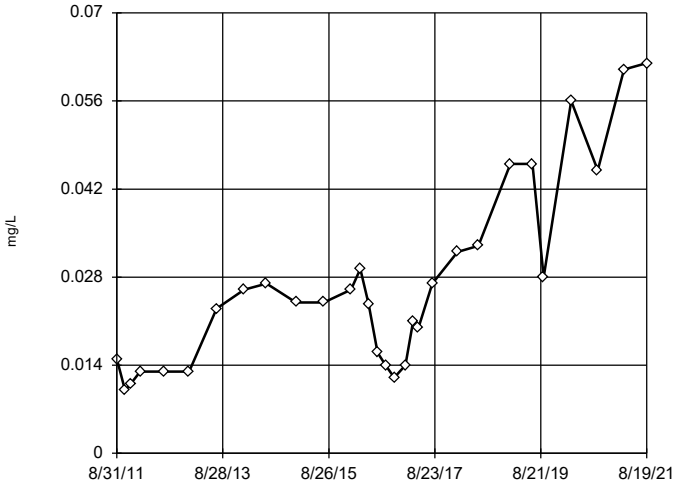
High cutoff = 0.044, low cutoff = 0.023, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-21



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.4064, low cutoff = 0.001119, based on IQR multiplier of 3.

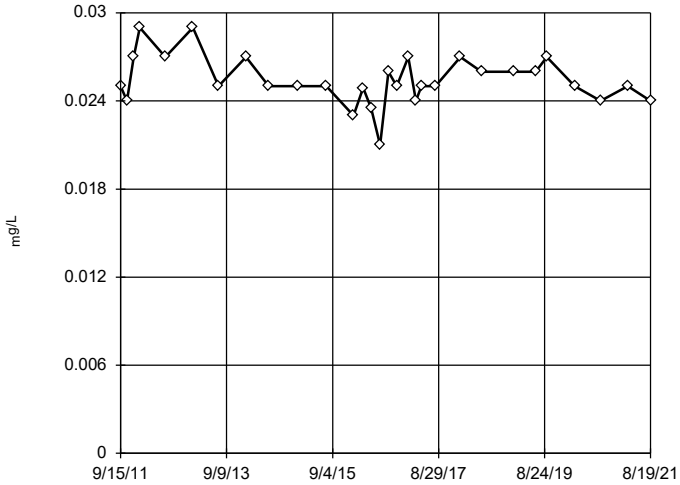
Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-22



n = 30

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 0.03465, low cutoff = 0.0168, based on IQR multiplier of 3.

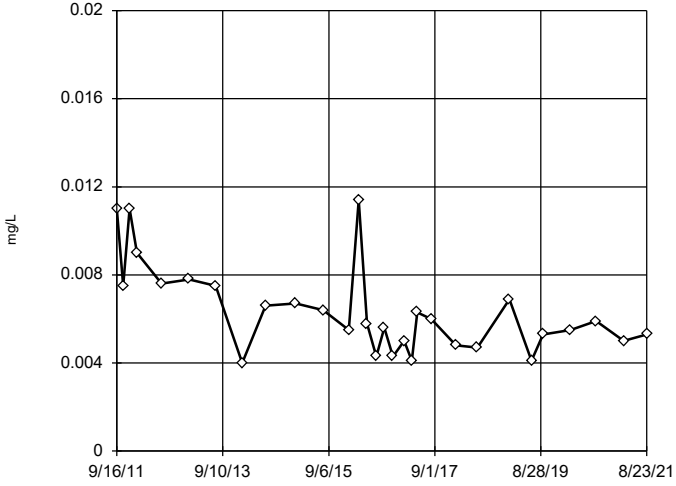
Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-23



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.02691, low cutoff = 0.001365, based on IQR multiplier of 3.

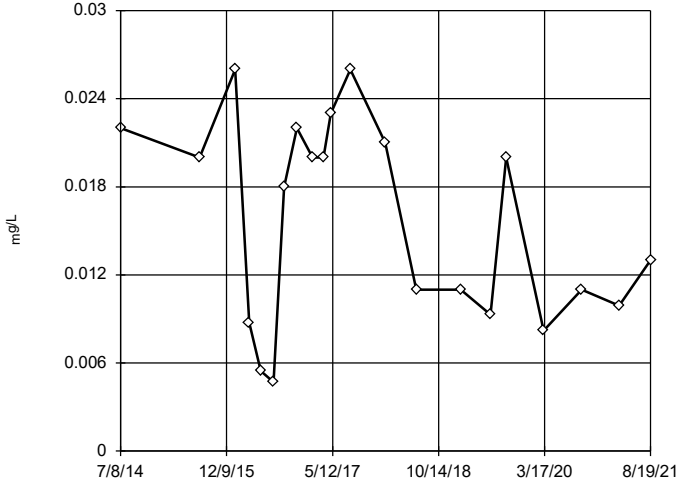
Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-24



n = 21

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

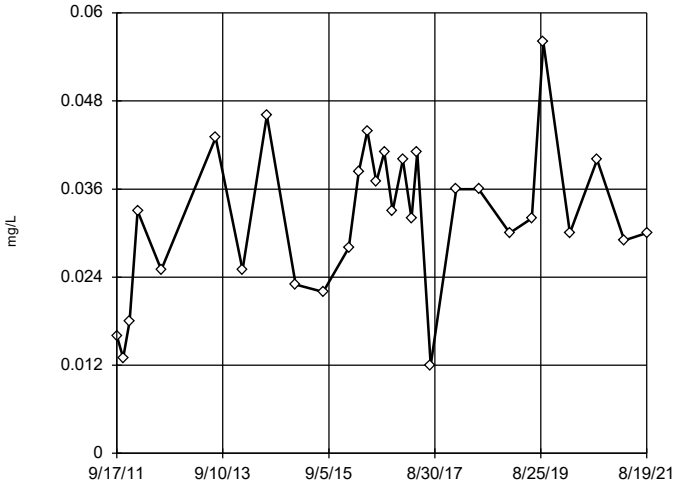
High cutoff = 0.0572, low cutoff = -0.0261, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-25



n = 29

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 0.085, low cutoff = -0.02, based on IQR multiplier of 3.

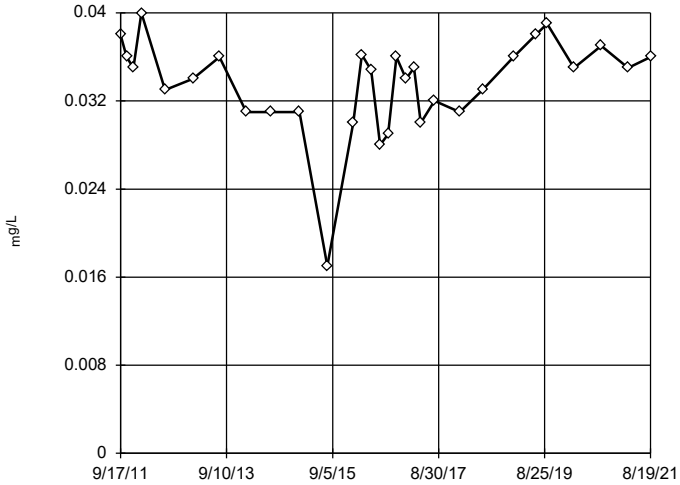
Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-26



n = 30

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.04458, low cutoff = -0.03405, based on IQR multiplier of 3.

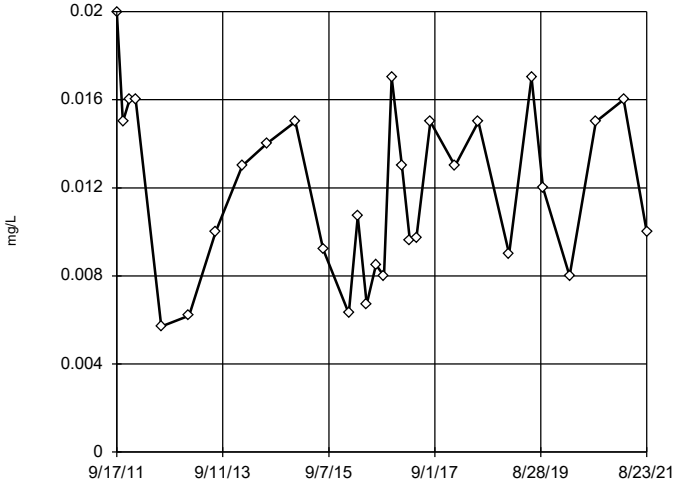
Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-27



n = 30

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 0.03375, low cutoff = -0.01, based on IQR multiplier of 3.

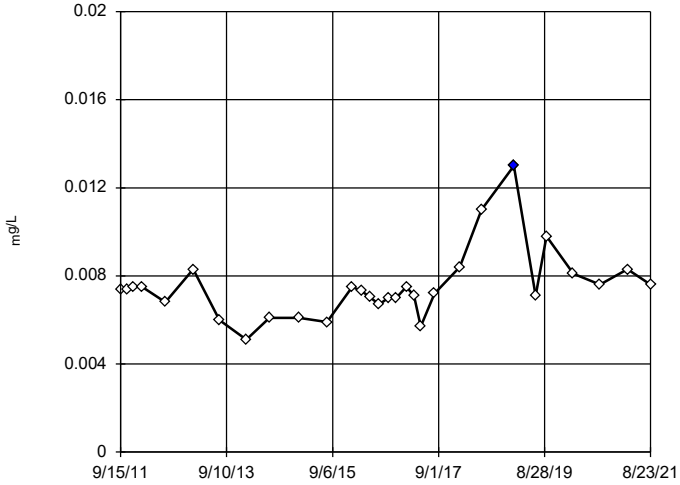
Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-30



n = 30

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

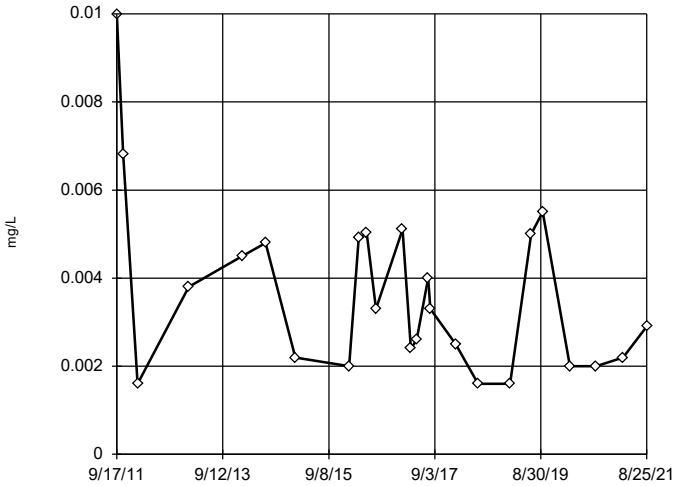
High cutoff = 0.01232, low cutoff = 0.004298, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-31



n = 25

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

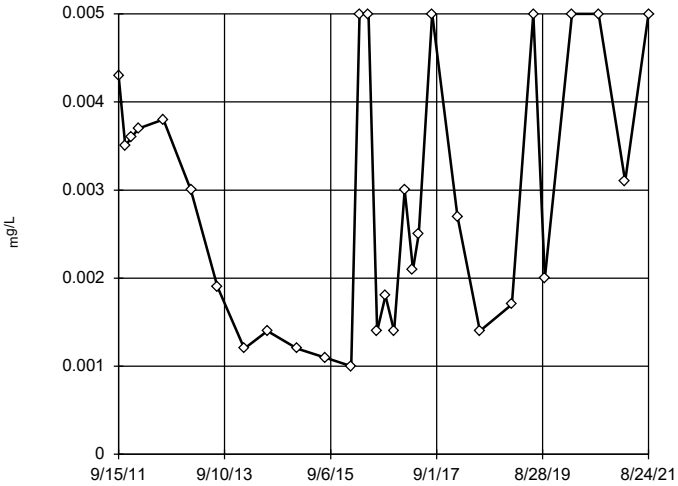
High cutoff = 0.0653, low cutoff = 0.0001592, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-32



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

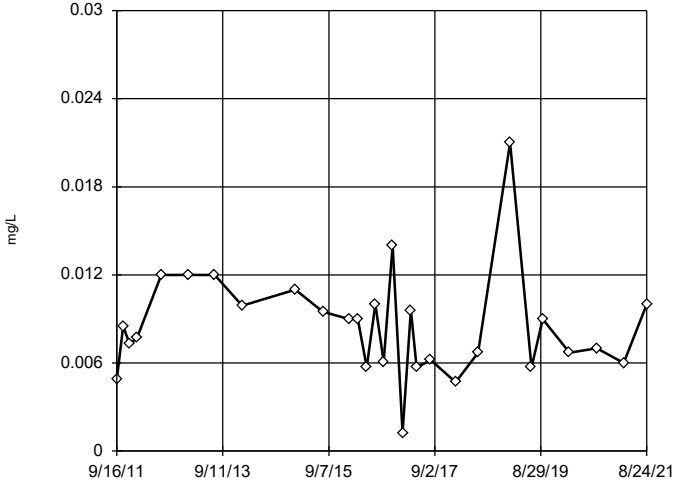
High cutoff = 0.1685, low cutoff = 0.00003853, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-33



n = 29

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

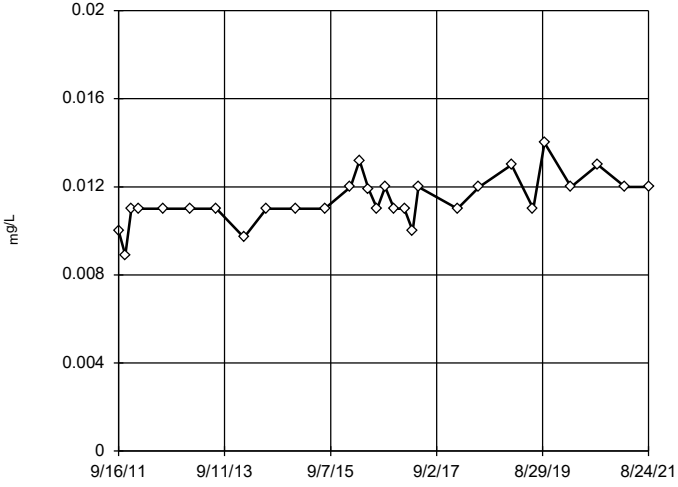
High cutoff = 0.02777, low cutoff = 0.0001238, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-34



n = 29

No outliers found. Tukey's method selected by user.

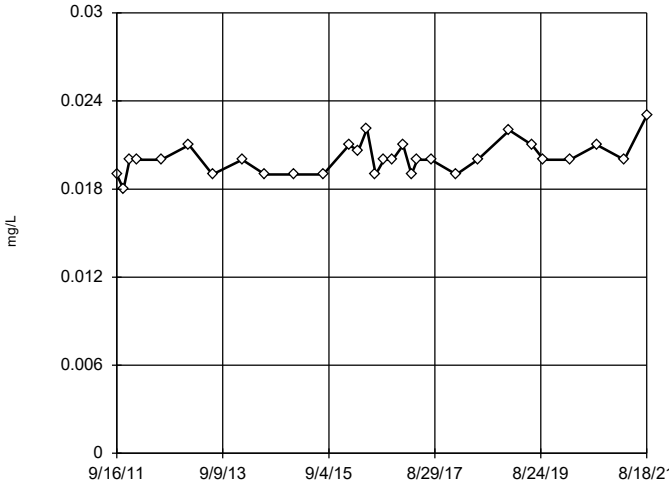
Data were square root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.01526, low cutoff = 0.008261, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-35



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.02835, low cutoff = 0.01407, based on IQR multiplier of 3.

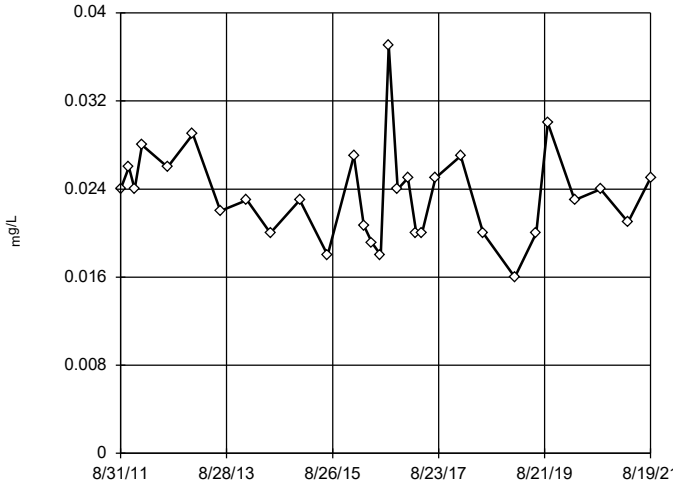
Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-5



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.05712, low cutoff = 0.009103, based on IQR multiplier of 3.

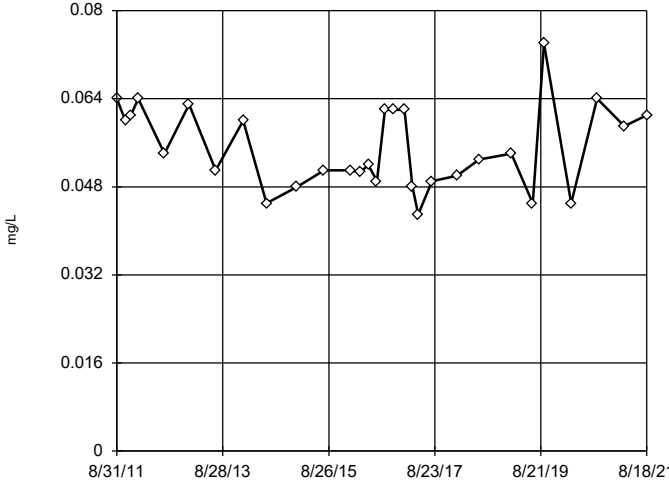
Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-6



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.1256, low cutoff = 0.02419, based on IQR multiplier of 3.

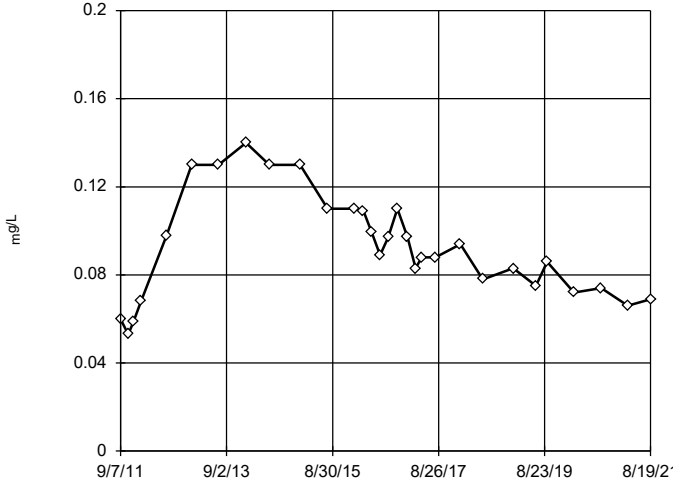
Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-7



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

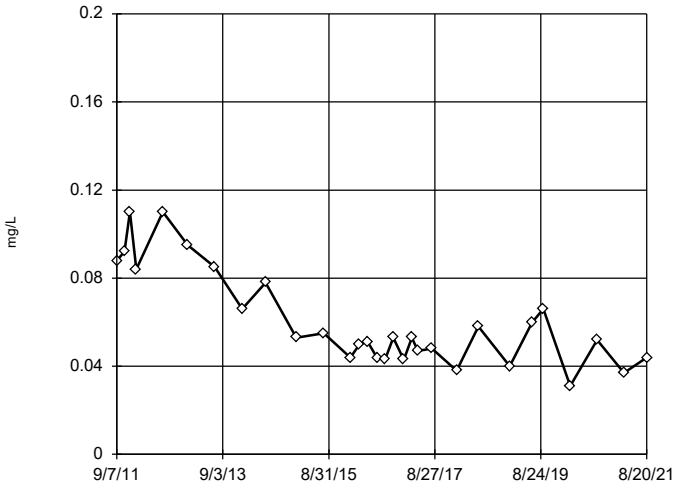
High cutoff = 0.3765, low cutoff = 0.02133, based on IQR multiplier of 3.

Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-8



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.504, low cutoff = 0.007067, based on IQR multiplier of 3.

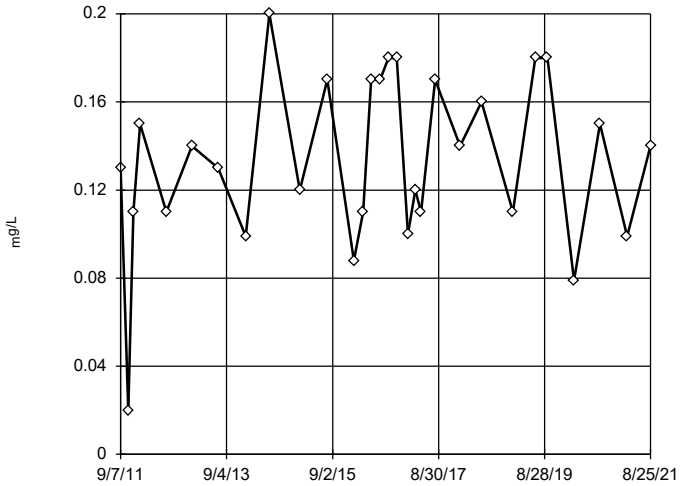
Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-9



n = 30

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.2816, low cutoff = -0.1957, based on IQR multiplier of 3.

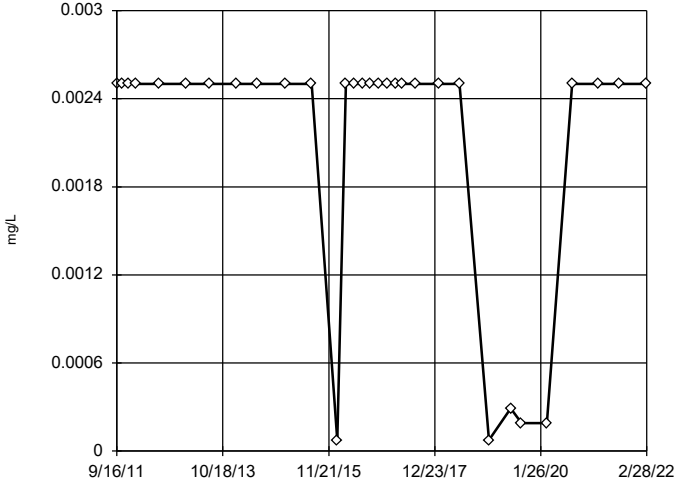
Constituent: Barium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-1 (bg)



n = 31

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

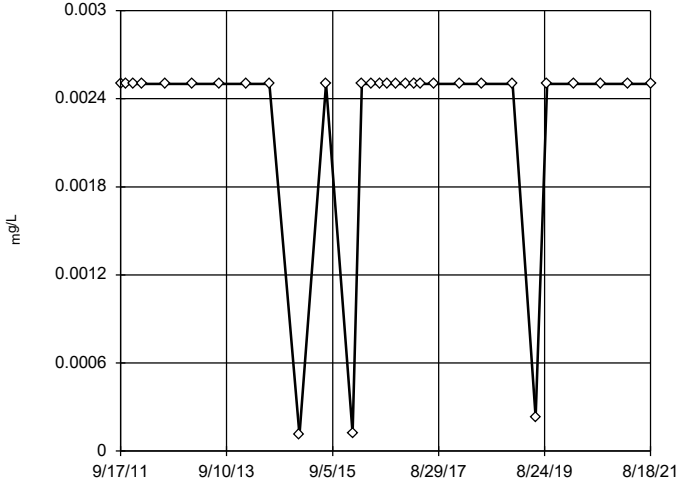
Constituent: Beryllium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-2 (bg)



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

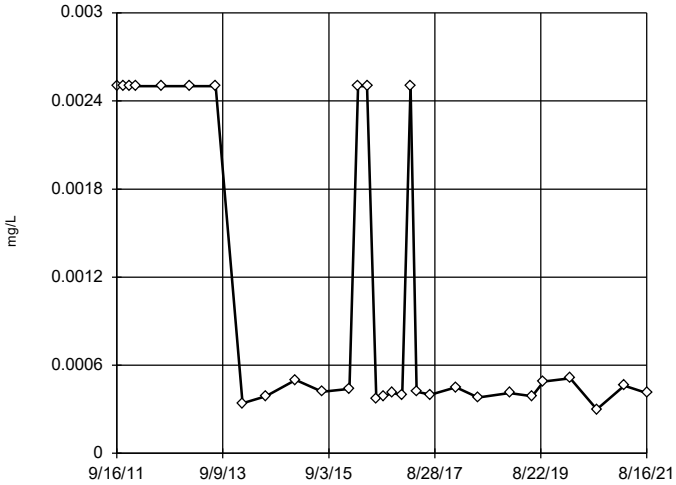
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWA-28 (bg)



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.634, low cutoff = 0.000001558, based on IQR multiplier of 3.

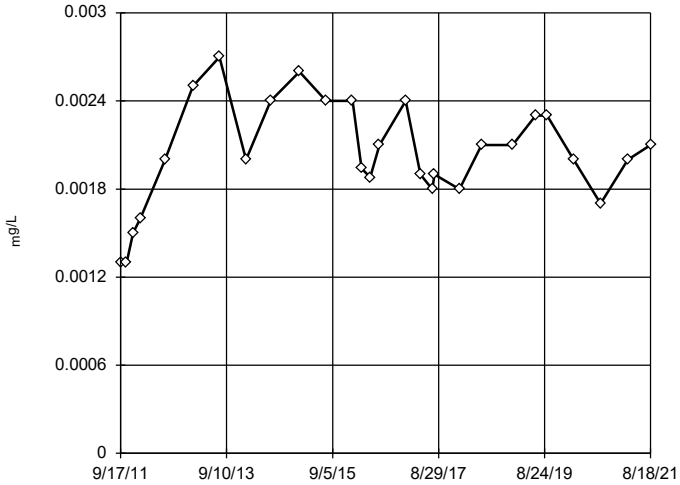
Constituent: Beryllium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-29 (bg)



n = 28

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.003455, low cutoff = -0.00174, based on IQR multiplier of 3.

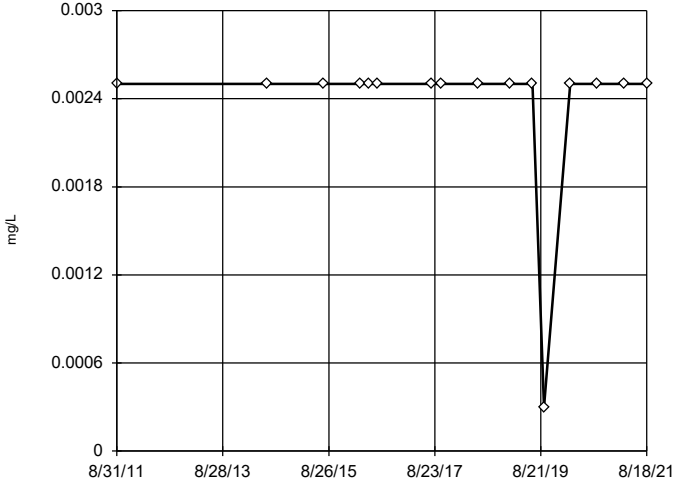
Constituent: Beryllium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-3 (bg)



n = 16

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

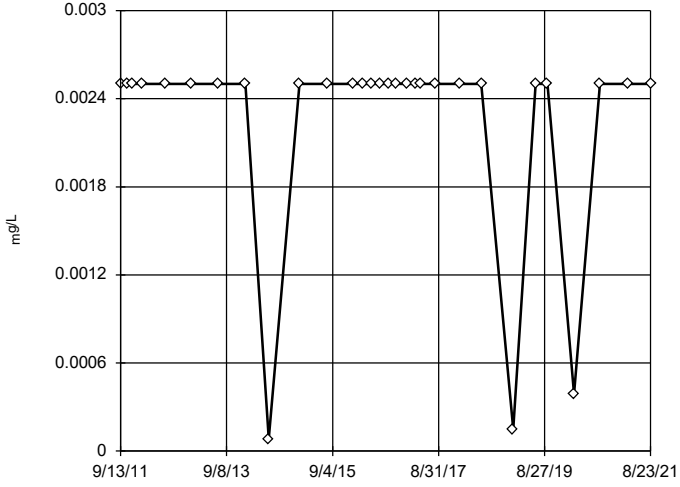
Constituent: Beryllium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-11



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

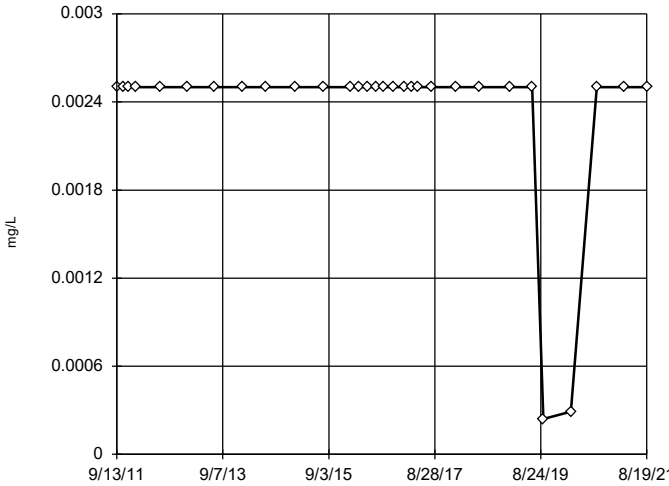
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-12



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

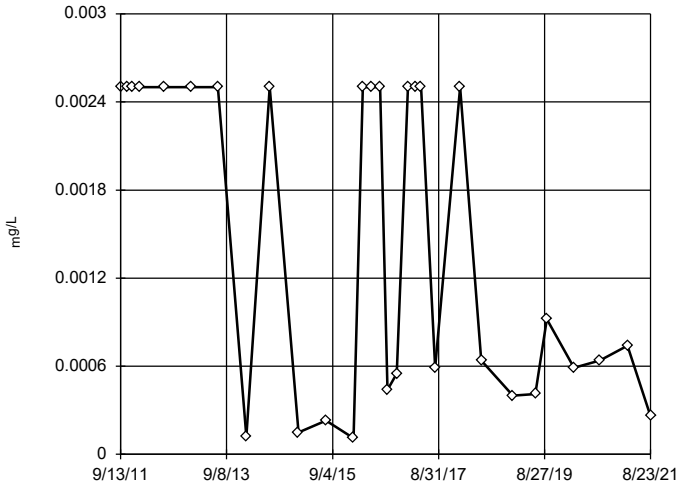
Constituent: Beryllium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-14



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.5098, low cutoff = 0.000002083, based on IQR multiplier of 3.

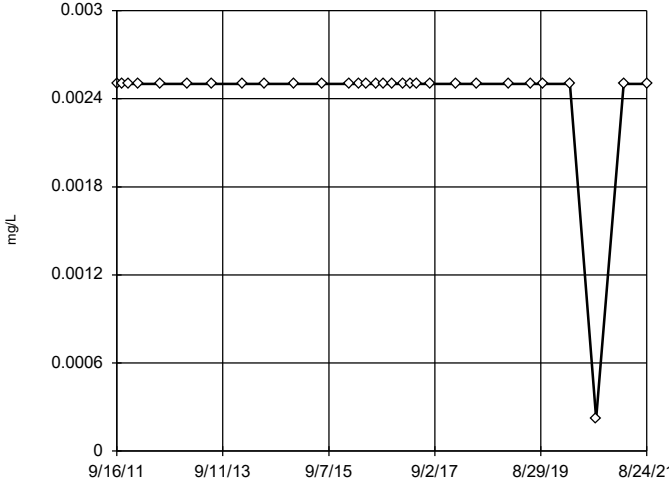
Constituent: Beryllium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-15



n = 30

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

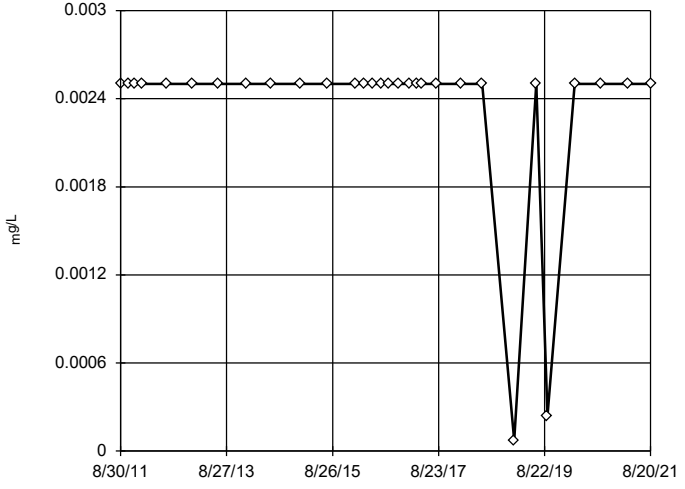
Constituent: Beryllium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-16



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

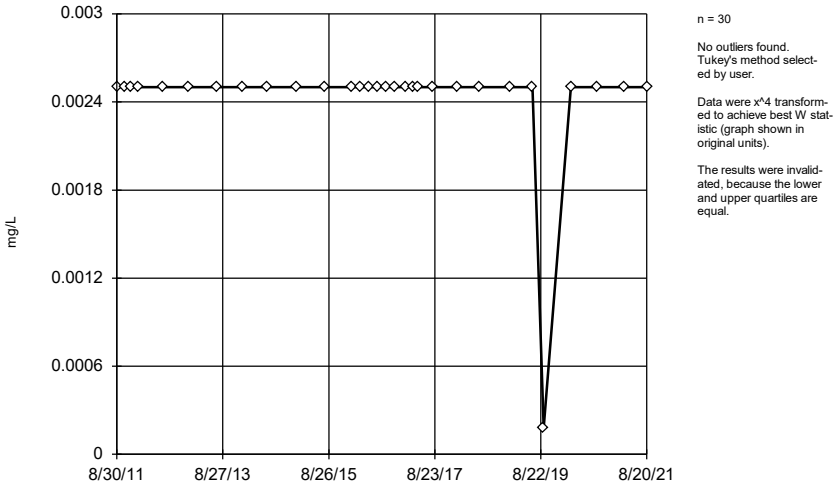
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-17



n = 30

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

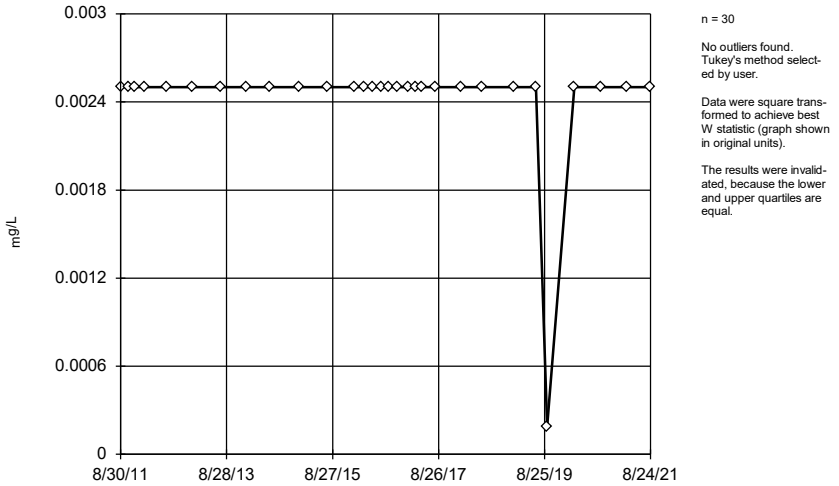
Constituent: Beryllium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-18



n = 30

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

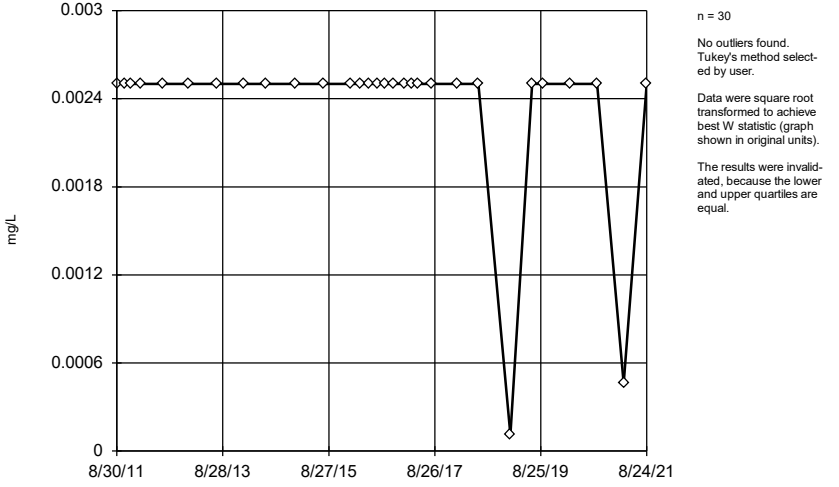
Constituent: Beryllium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-19



n = 30

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

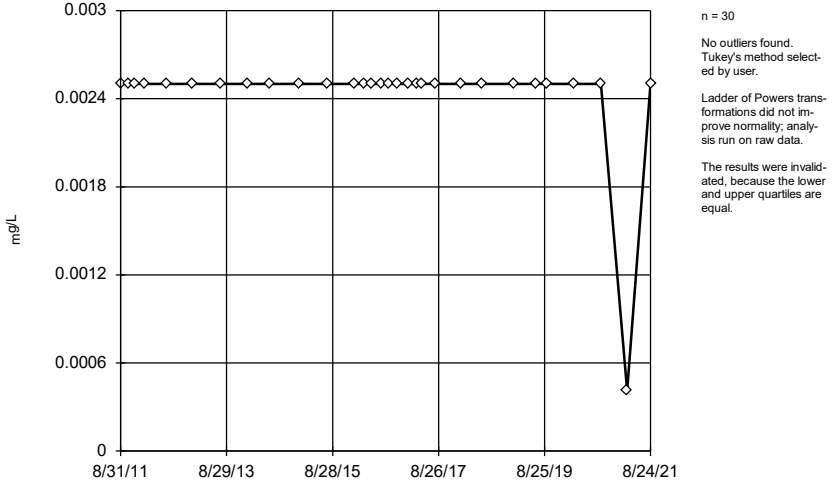
Constituent: Beryllium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-20



n = 30

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

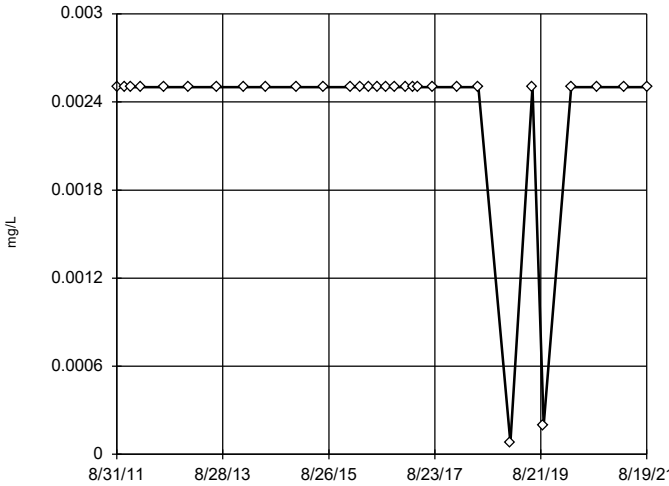
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-21



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

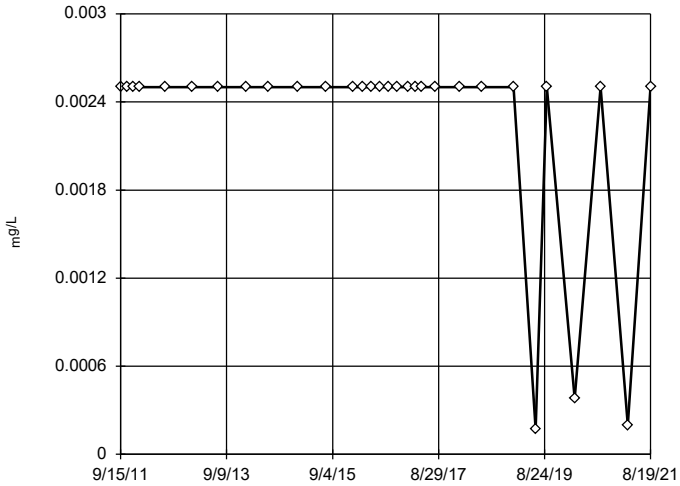
Constituent: Beryllium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-22



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

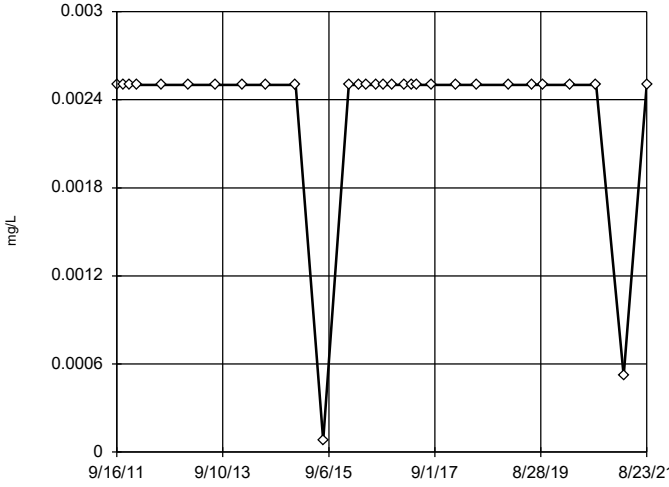
Constituent: Beryllium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-23



n = 30

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

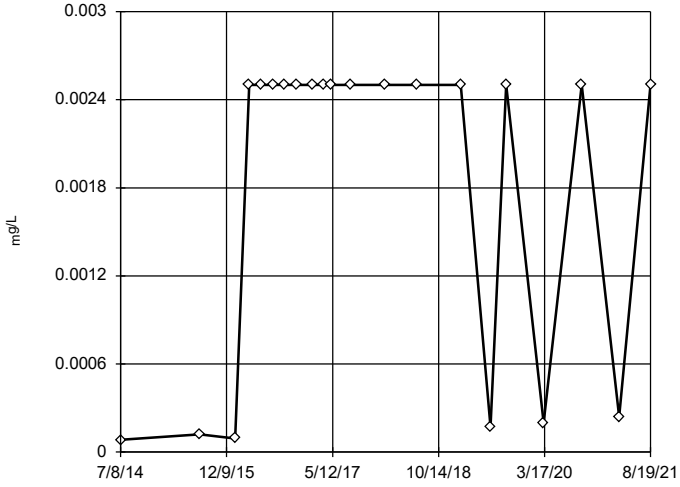
Constituent: Beryllium Analysis Run 5/11/2022 10:21 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-24



n = 21

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

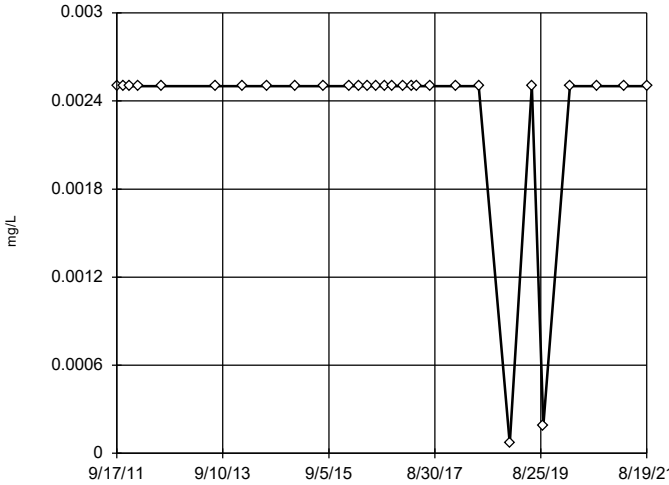
High cutoff = 3.714, low cutoff = 1.5e-7, based on IQR multiplier of 3.

Constituent: Beryllium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-25



n = 29

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

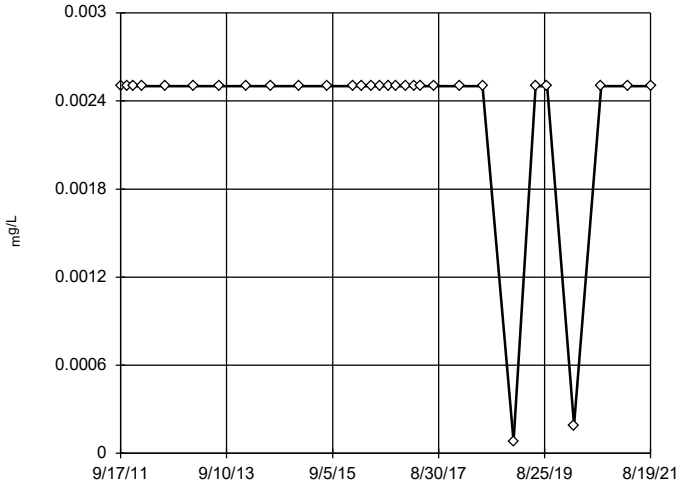
Constituent: Beryllium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-26



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

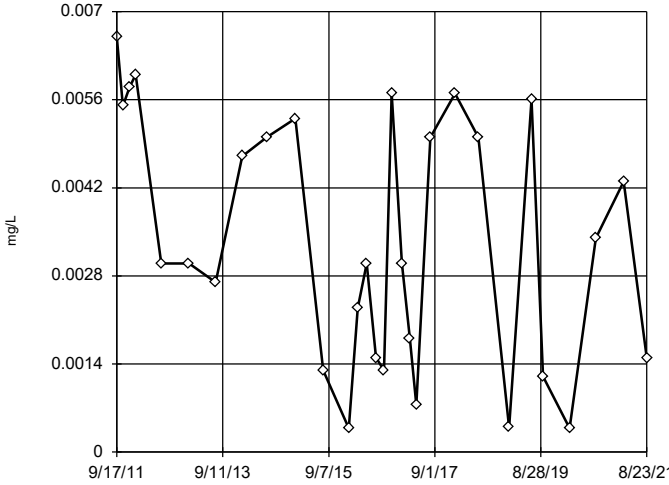
Constituent: Beryllium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-27



n = 30

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 0.0174, low cutoff = -0.0106, based on IQR multiplier of 3.

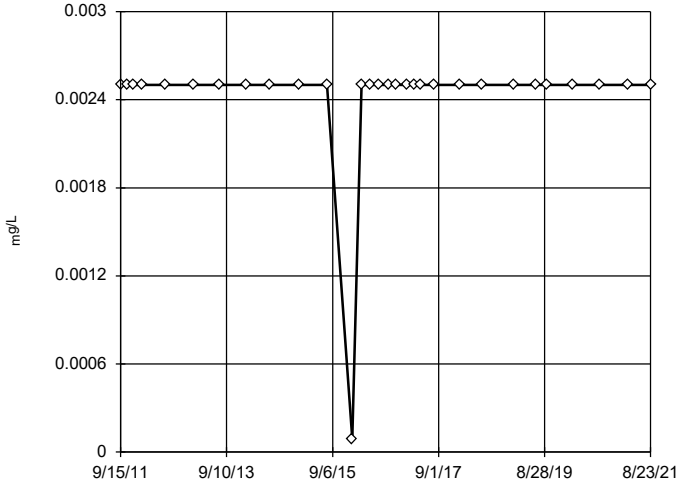
Constituent: Beryllium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-30



n = 30

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

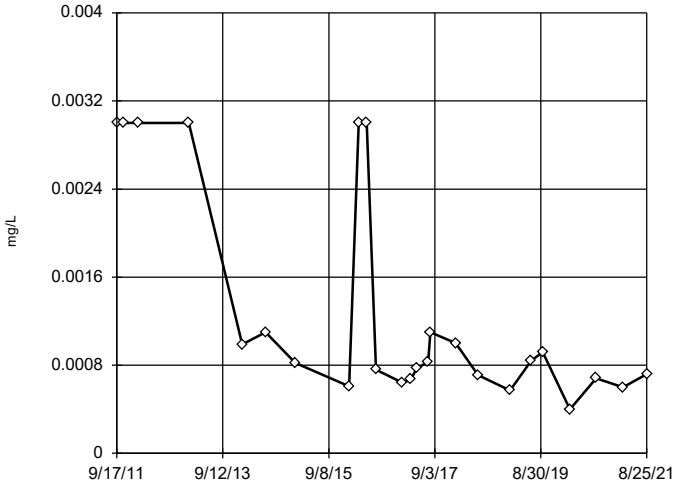
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-31



n = 25

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.03541, low cutoff = 0.00003463, based on IQR multiplier of 3.

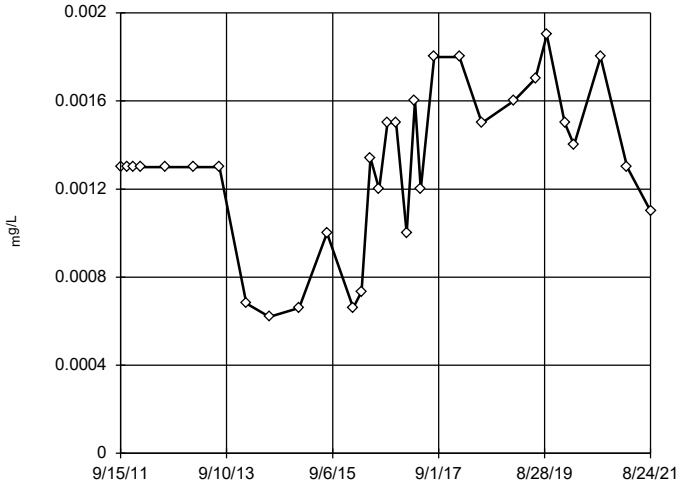
Constituent: Beryllium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-32



n = 31

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.002317, low cutoff = -0.001382, based on IQR multiplier of 3.

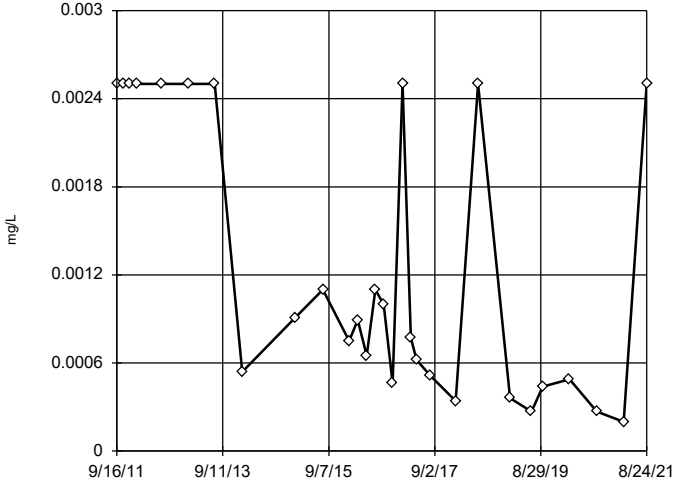
Constituent: Beryllium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-33



n = 29

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.365, low cutoff = 0.000003252, based on IQR multiplier of 3.

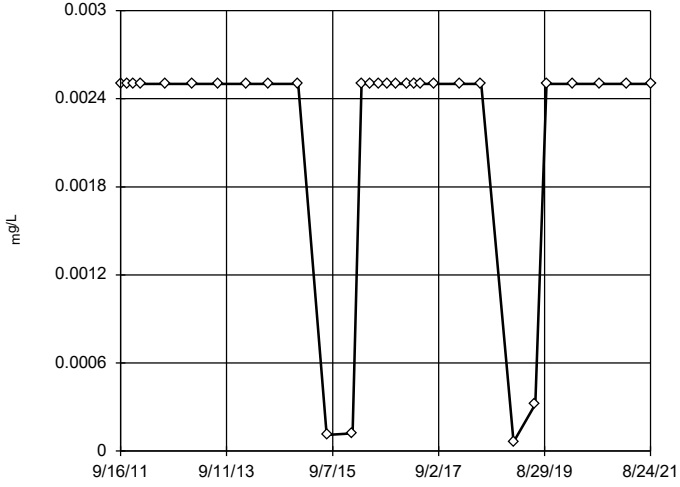
Constituent: Beryllium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-34



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

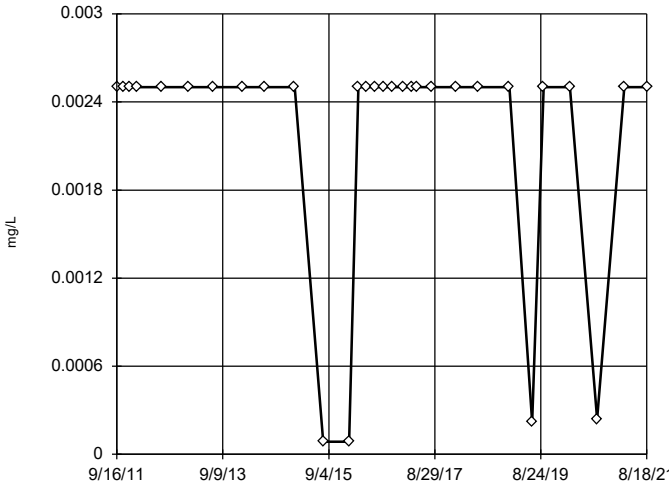
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-35



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

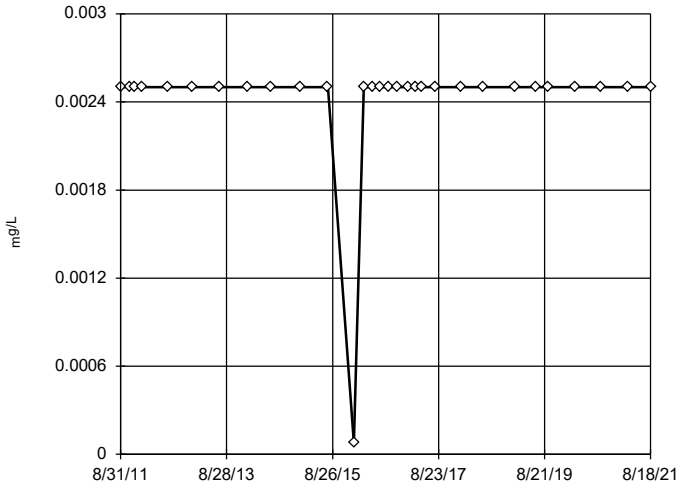
Constituent: Beryllium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-6



n = 30

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

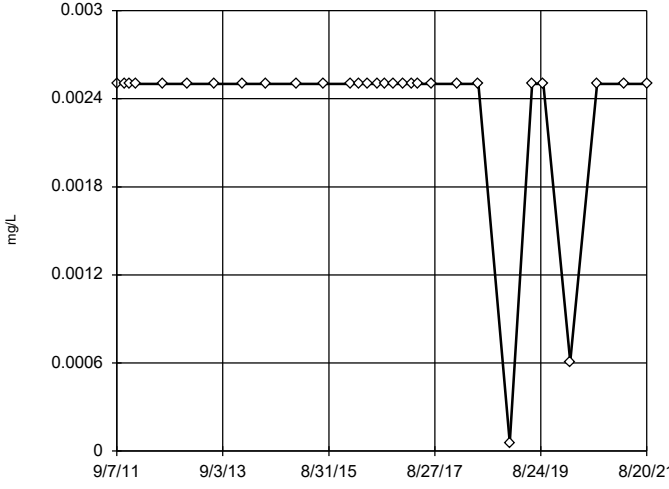
Constituent: Beryllium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-8



n = 30

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

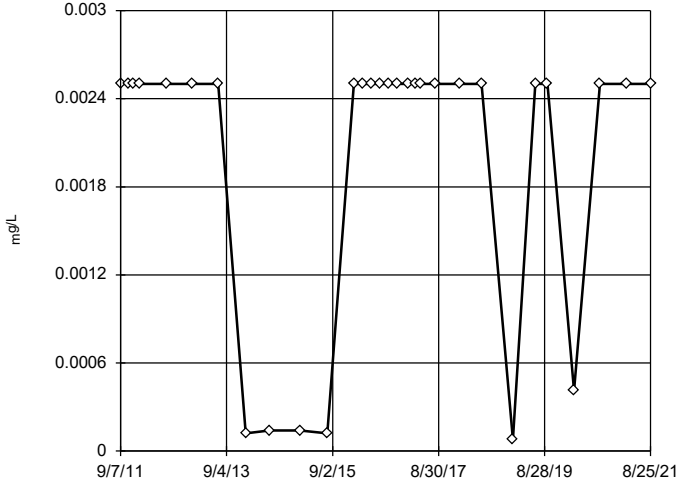
Constituent: Beryllium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-9



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

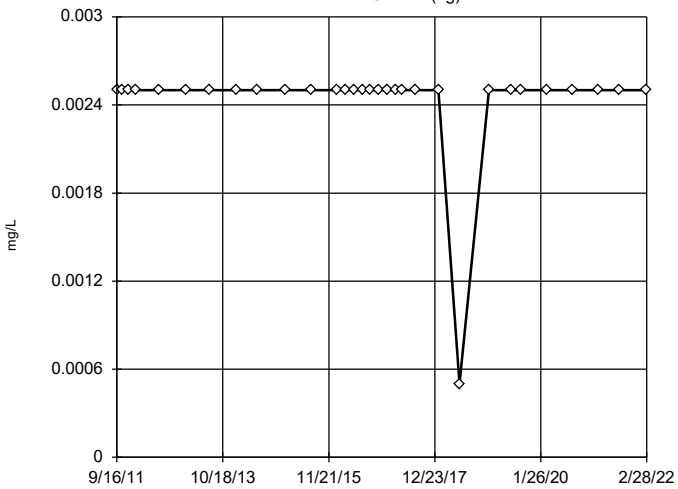
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Beryllium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWA-1 (bg)



n = 31

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

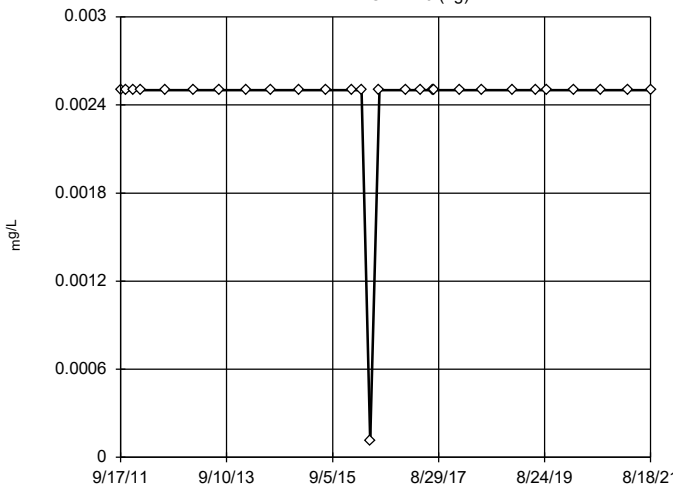
Constituent: Cadmium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-29 (bg)



n = 28

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

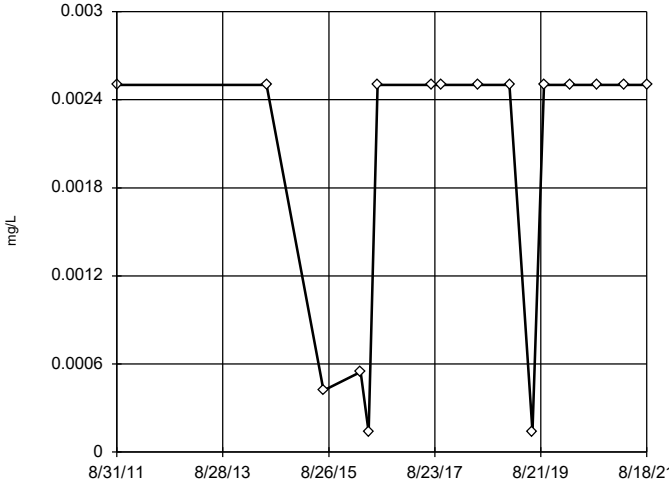
Constituent: Cadmium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-3 (bg)



n = 16

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.02449, low cutoff = 0.0001192, based on IQR multiplier of 3.

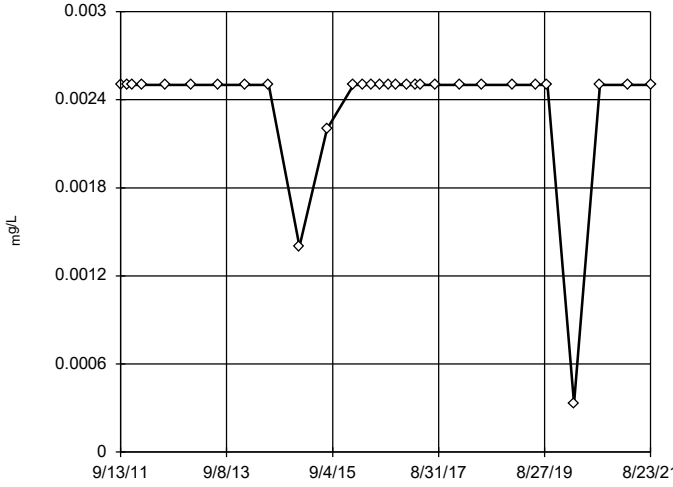
Constituent: Cadmium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-11



n = 30

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

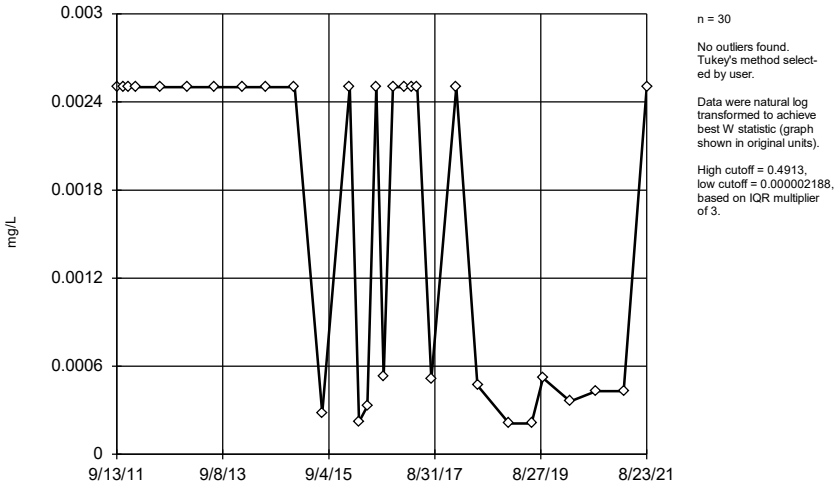
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cadmium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-14



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.4913, low cutoff = 0.000002188, based on IQR multiplier of 3.

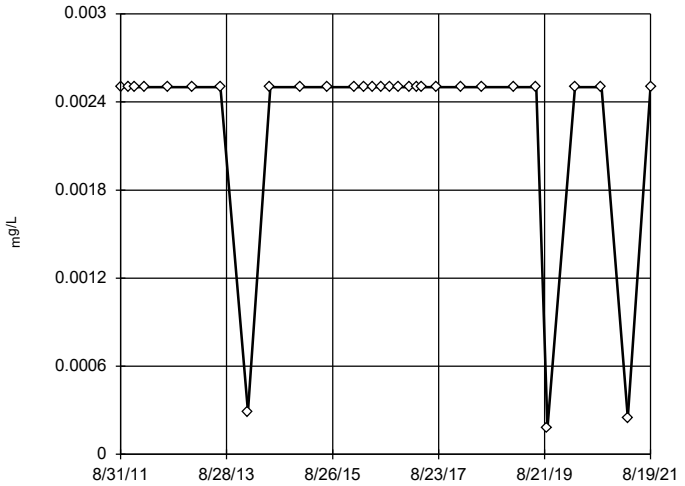
Constituent: Cadmium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-21



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

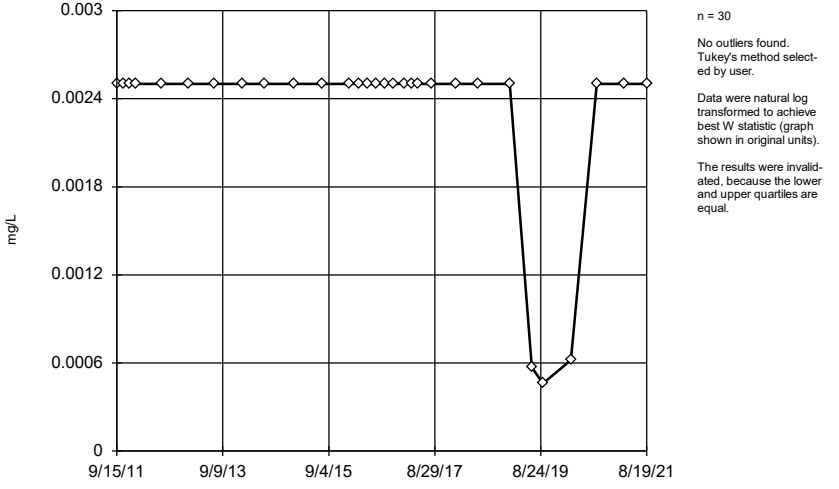
Constituent: Cadmium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-22



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

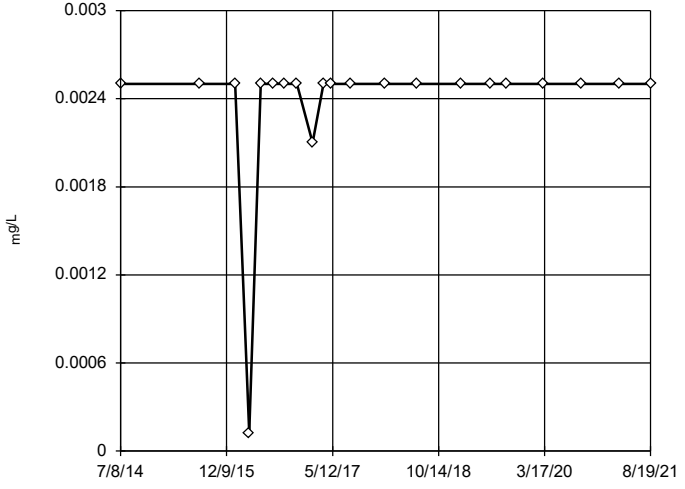
Constituent: Cadmium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-24



n = 21

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

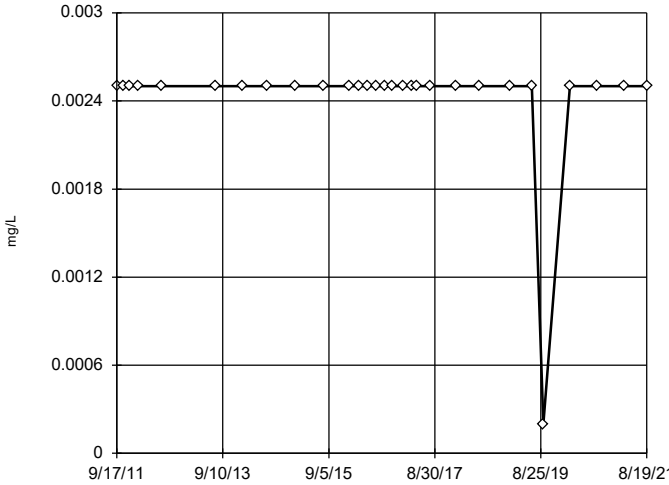
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cadmium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-25



n = 29

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

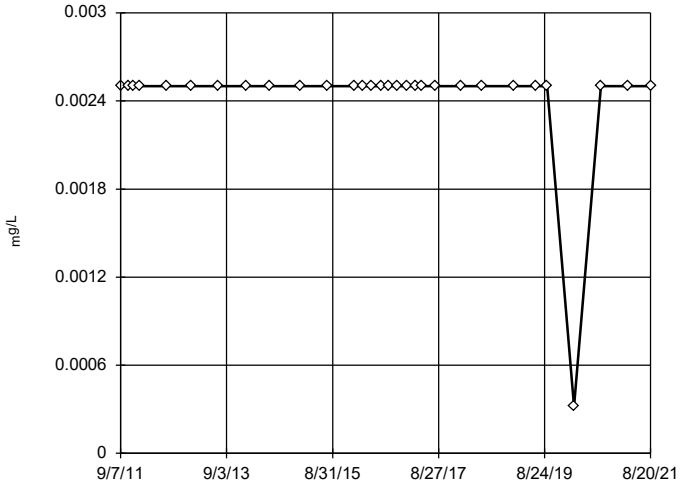
Constituent: Cadmium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-8



n = 30

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

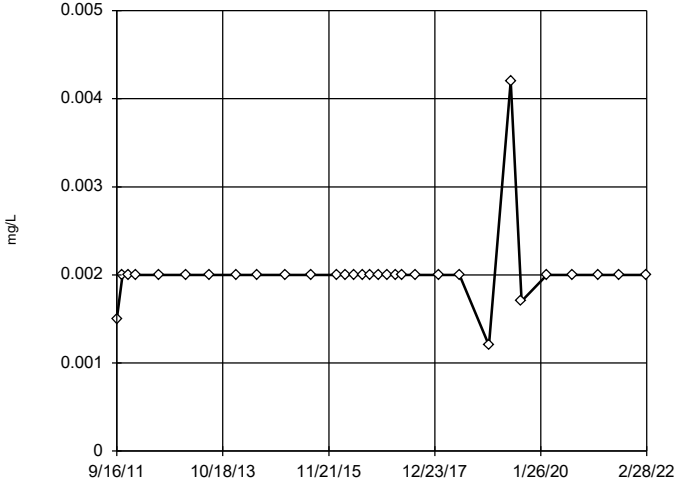
Constituent: Cadmium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-1 (bg)



n = 31

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

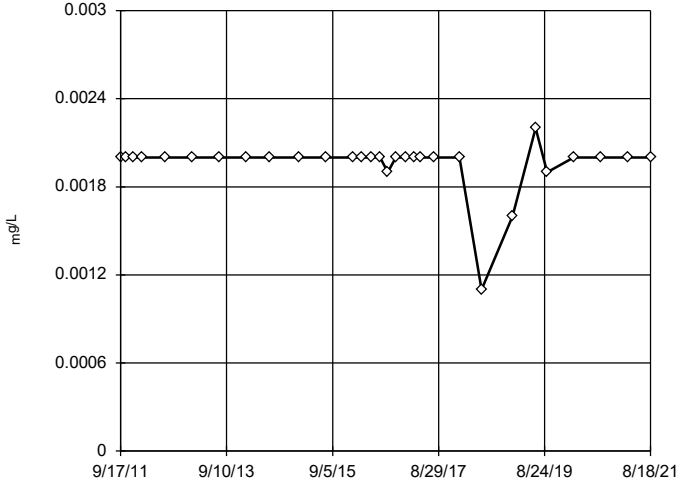
Constituent: Chromium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-2 (bg)



n = 30

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

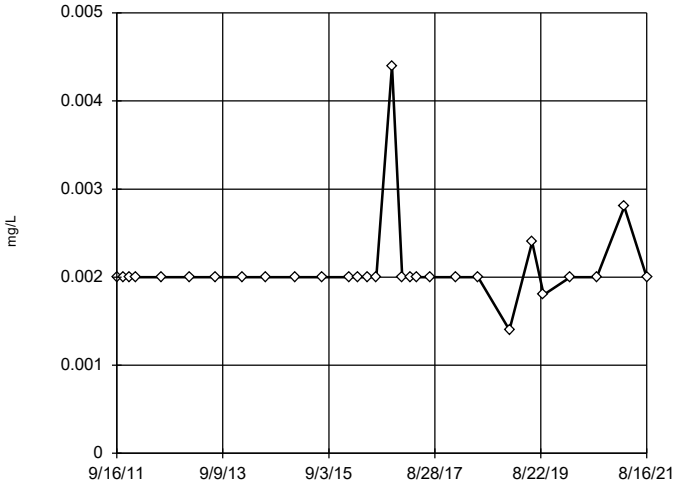
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Chromium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWA-28 (bg)



n = 29

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

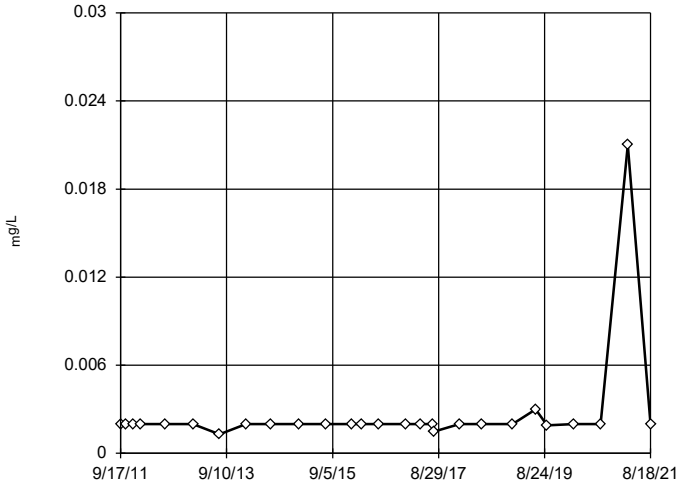
Constituent: Chromium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-29 (bg)



n = 27

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

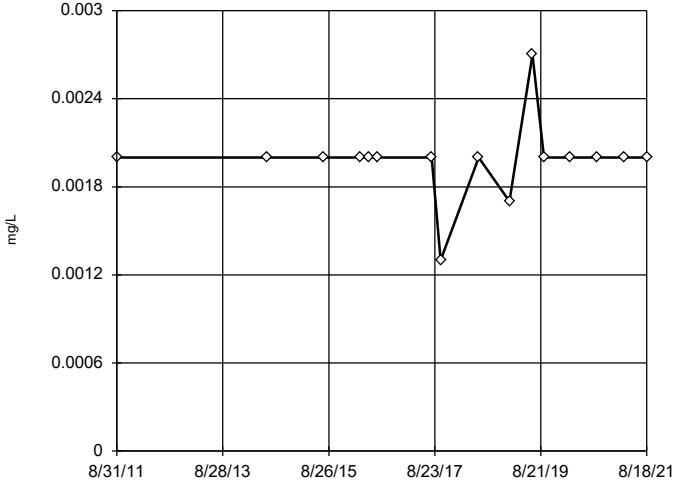
Constituent: Chromium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-3 (bg)



n = 16

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

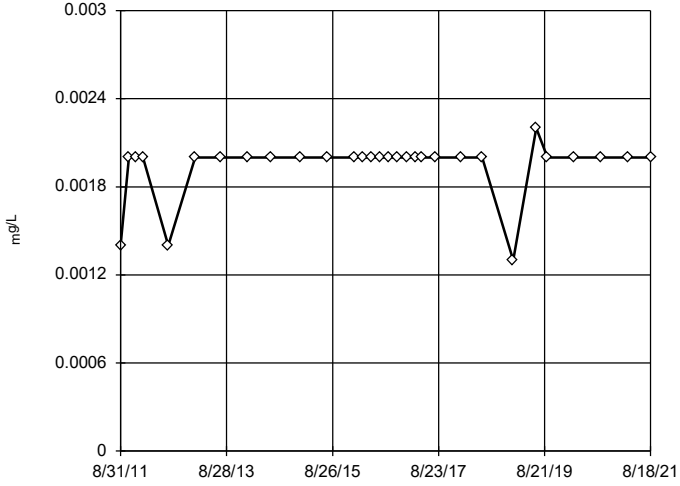
Constituent: Chromium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-4 (bg)



n = 30

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

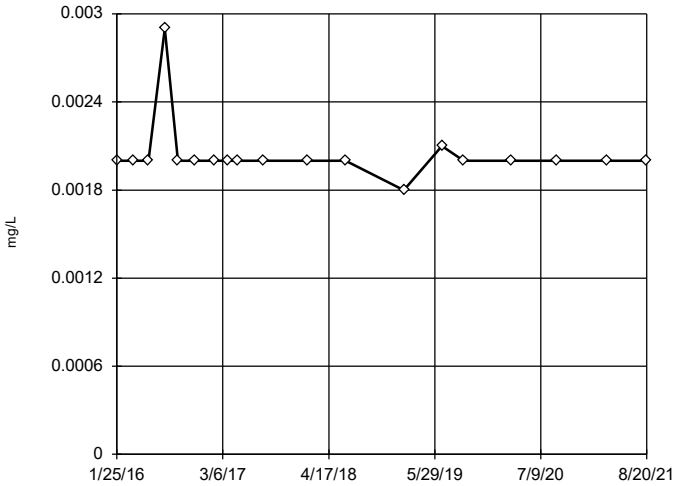
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Chromium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-10



n = 19

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

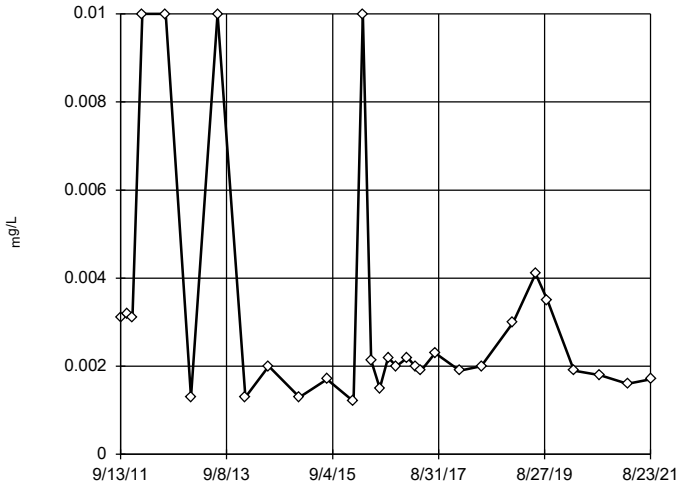
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Chromium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-11



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

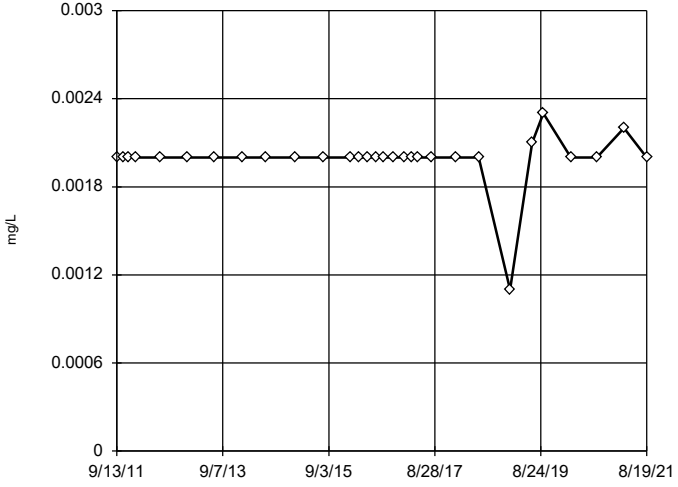
High cutoff = 0.02003, low cutoff = 0.0002673, based on IQR multiplier of 3.

Constituent: Chromium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-12



n = 30

No outliers found. Tukey's method selected by user.

Data were x^5 transformed to achieve best W statistic (graph shown in original units).

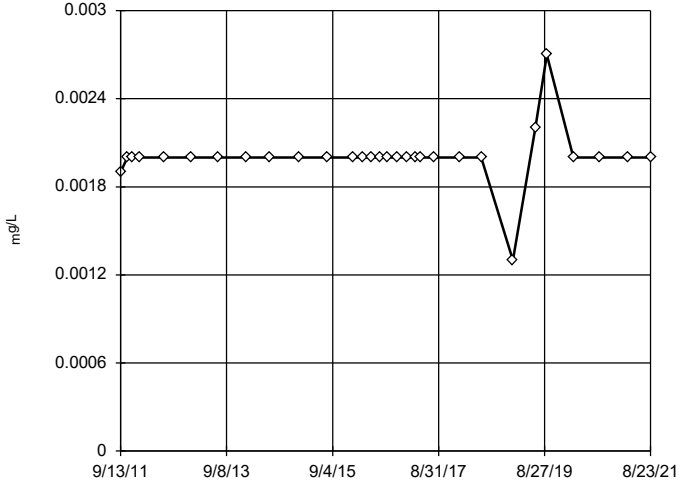
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Chromium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-13



n = 30

No outliers found. Tukey's method selected by user.

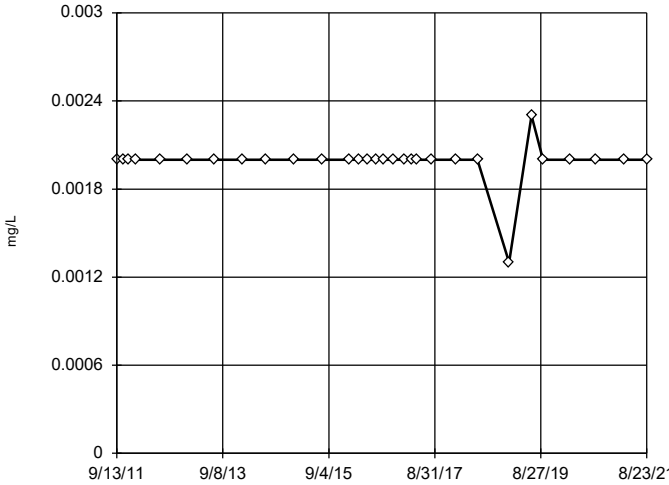
Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Chromium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-14



n = 30

No outliers found.
Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

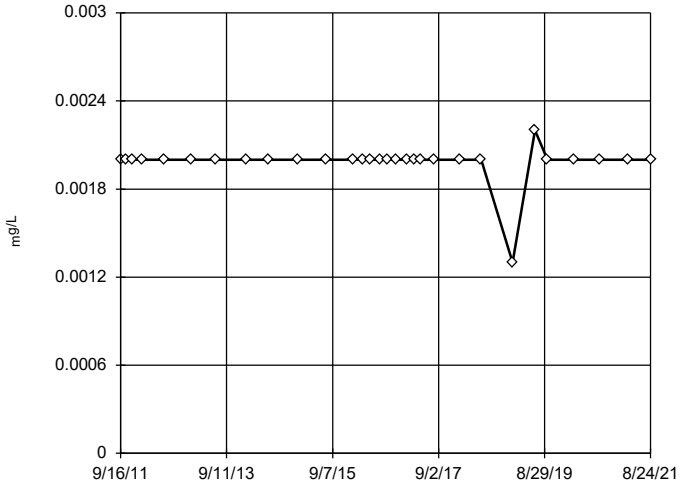
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Chromium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-15



n = 30

No outliers found.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

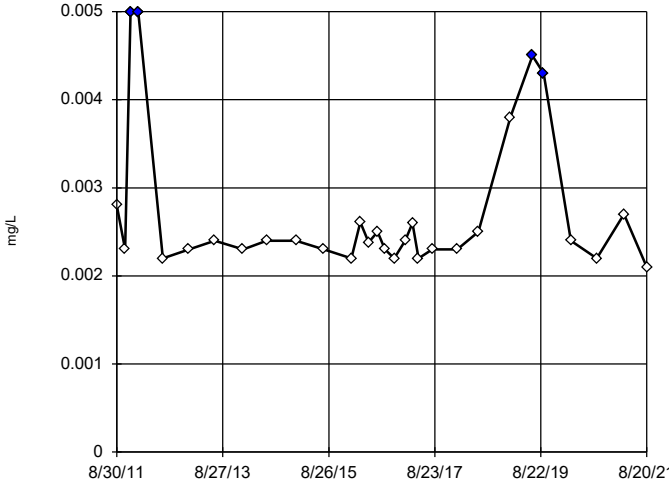
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Chromium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-16



n = 30

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

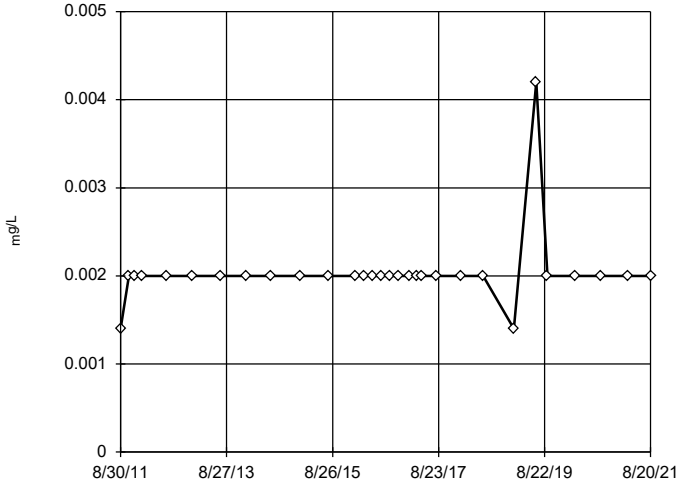
High cutoff = 0.004082, low cutoff = 0.001496, based on IQR multiplier of 3.

Constituent: Chromium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-17



n = 30

No outliers found.
Tukey's method selected by user.

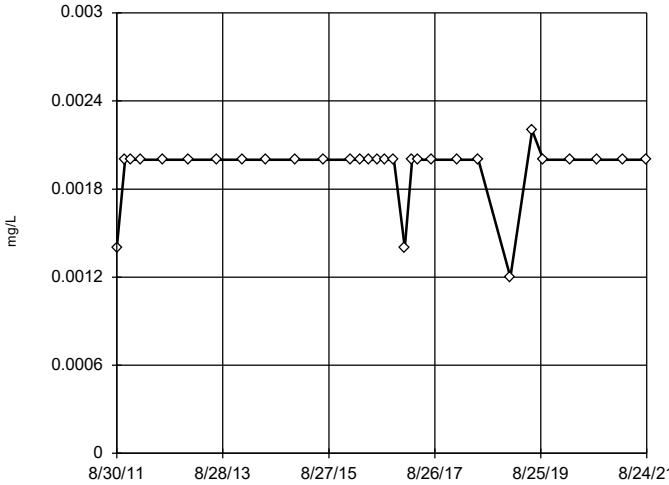
Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Chromium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-18



n = 30

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

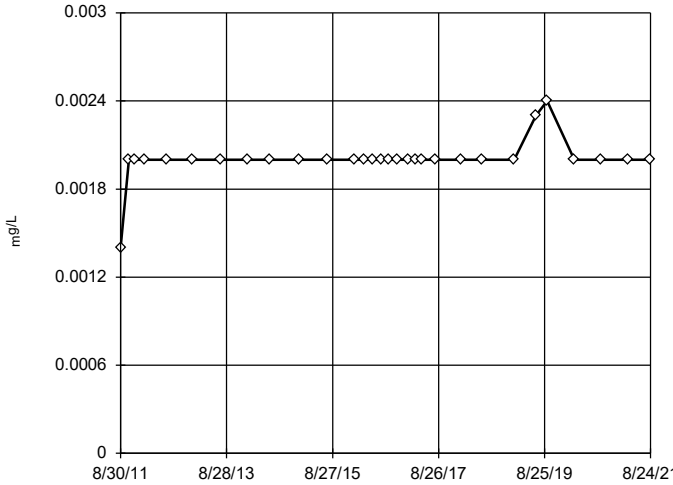
Constituent: Chromium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-19



n = 30

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

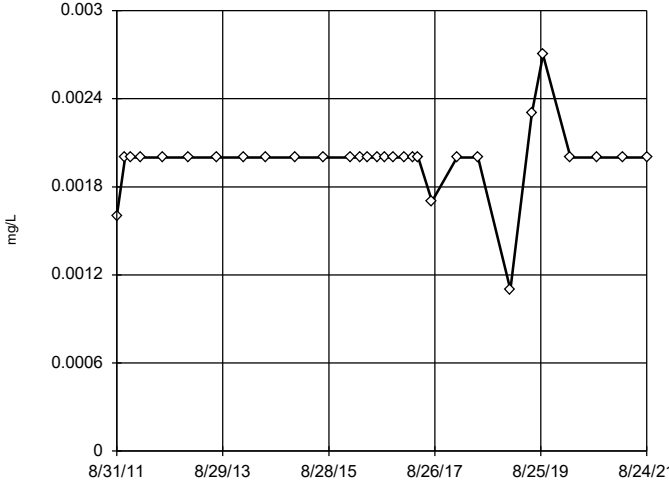
Constituent: Chromium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-20



n = 30

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

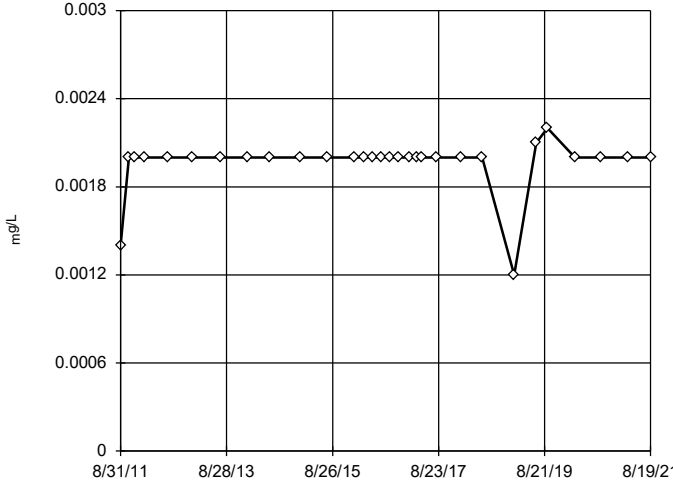
Constituent: Chromium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-21



n = 30

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

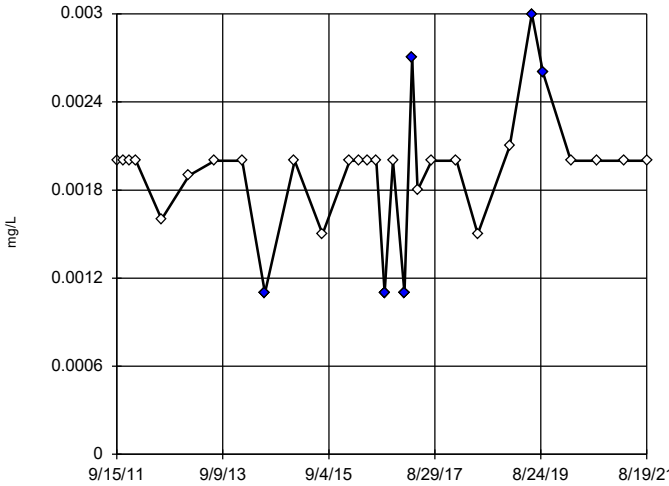
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Chromium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-22



n = 30

Outliers are drawn as solid.
Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

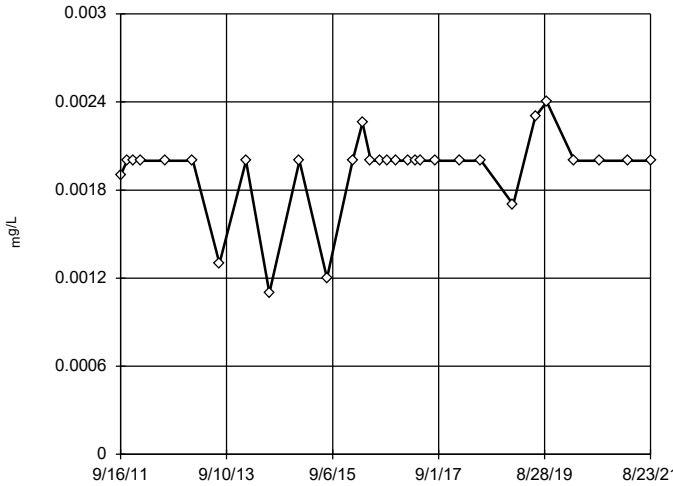
High cutoff = 0.00245, low cutoff = 0.0014, based on IQR multiplier of 3.

Constituent: Chromium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-23



n = 30

No outliers found.
Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

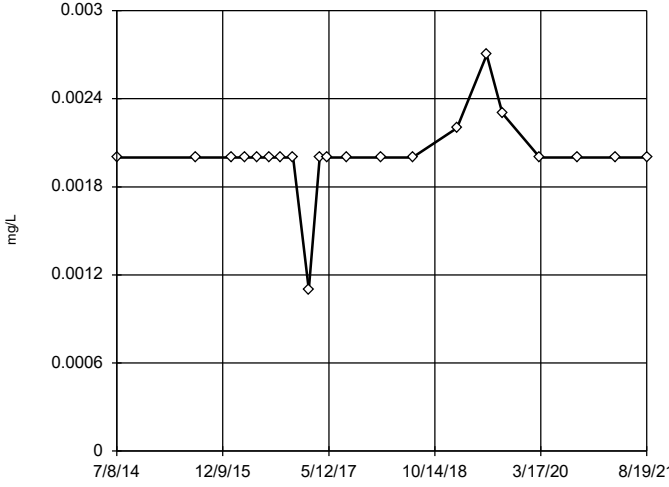
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Chromium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-24



n = 21

No outliers found.
Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

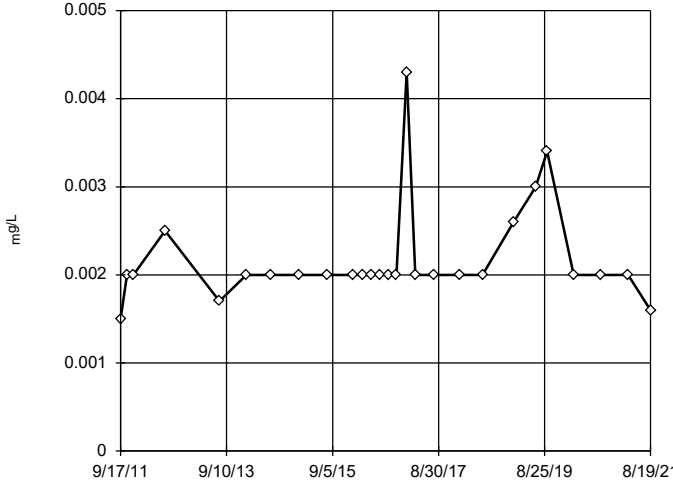
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Chromium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-25



n = 27

No outliers found.
Tukey's method selected by user.

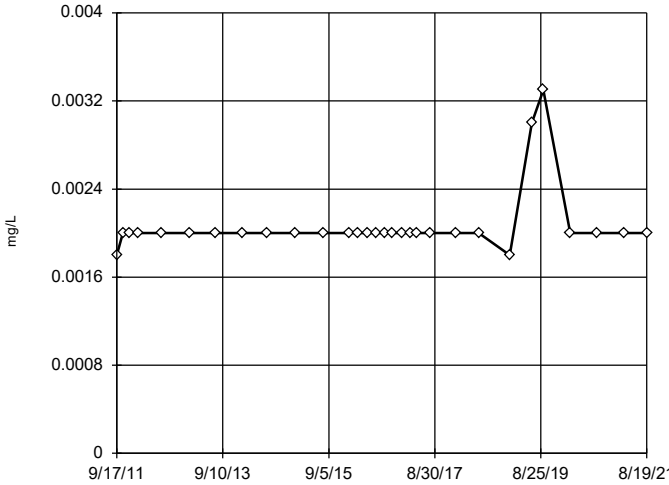
Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Chromium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-26



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

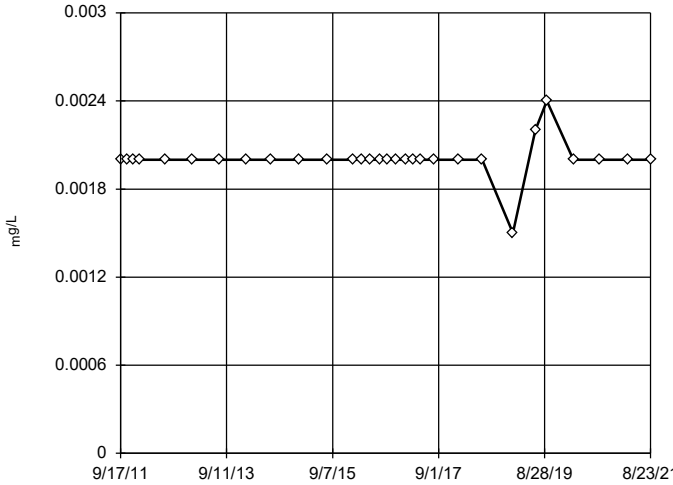
Constituent: Chromium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-27



n = 30

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

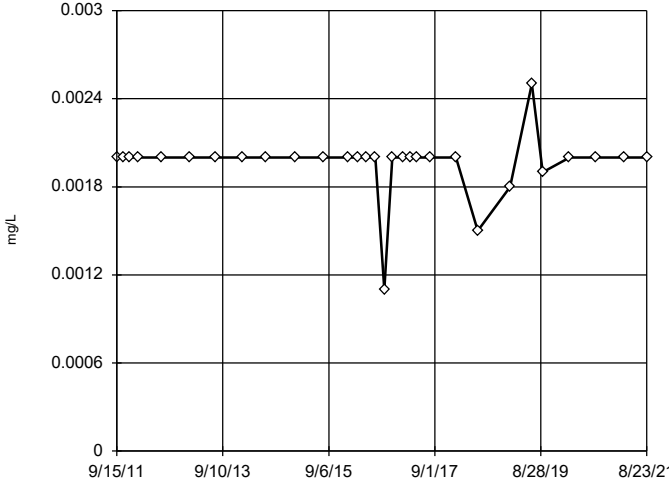
Constituent: Chromium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-30



n = 30

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

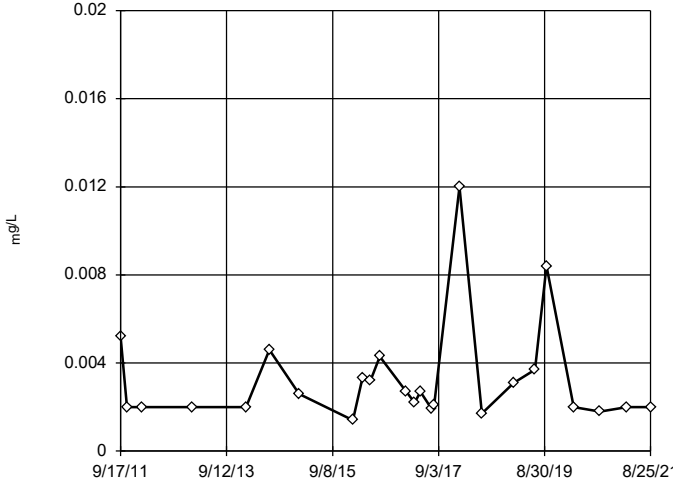
Constituent: Chromium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-31



n = 25

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

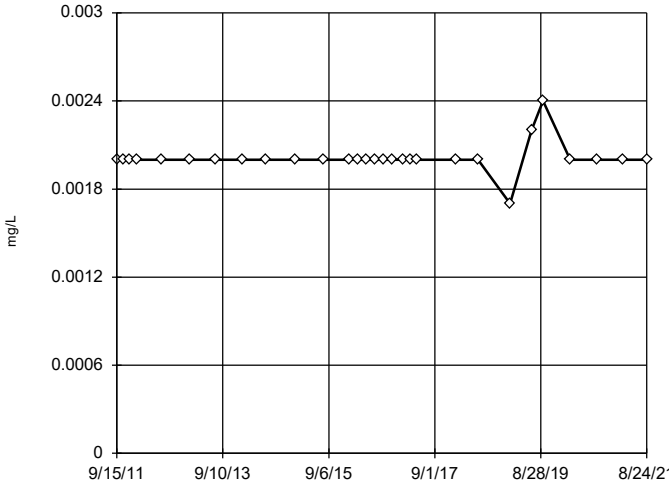
High cutoff = 0.01909, low cutoff = 0.0003683, based on IQR multiplier of 3.

Constituent: Chromium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-32



n = 29

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

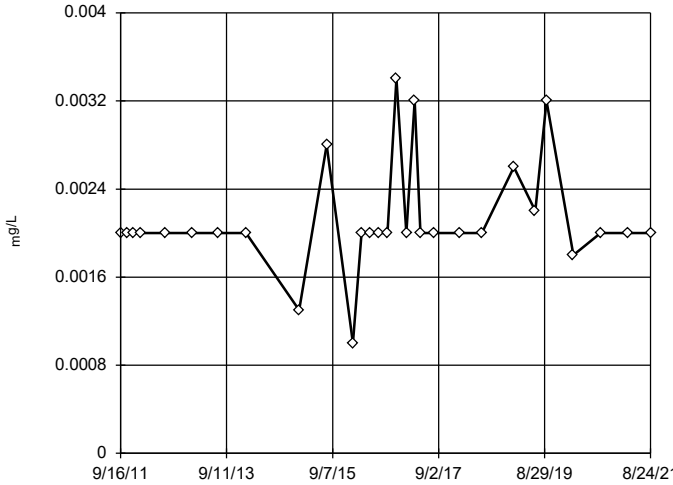
Constituent: Chromium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-33



n = 29

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

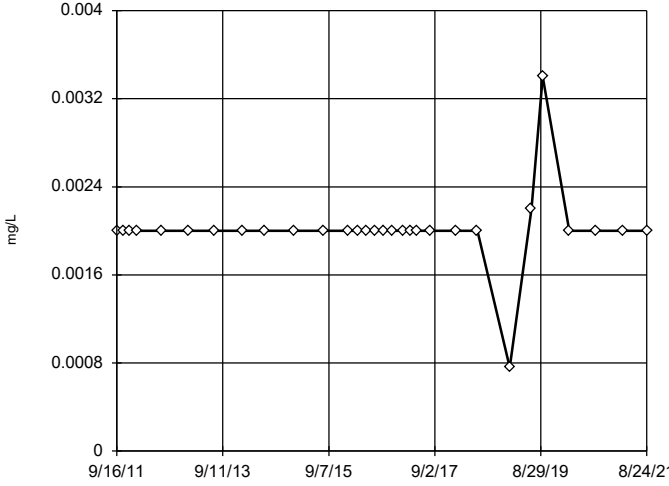
Constituent: Chromium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-34



n = 30

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

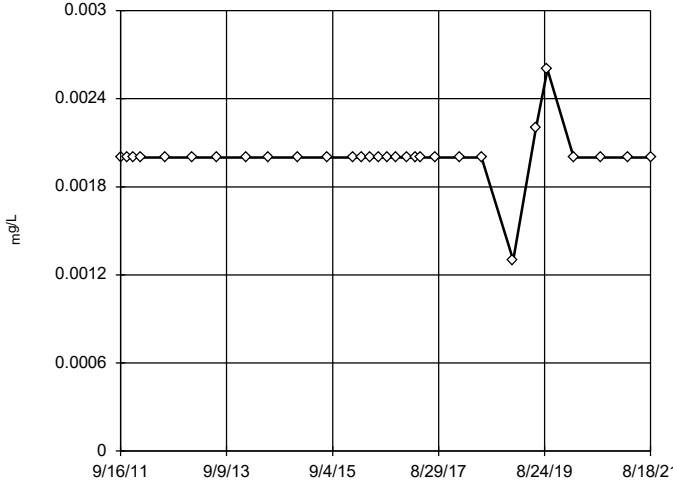
Constituent: Chromium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-35



n = 30

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

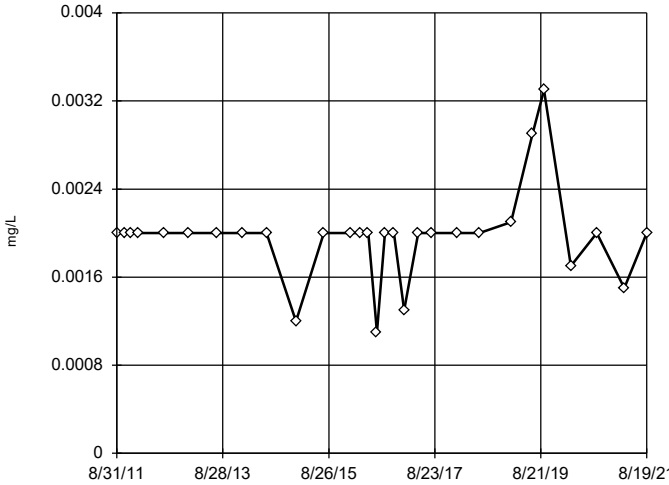
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Chromium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-5



n = 29

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

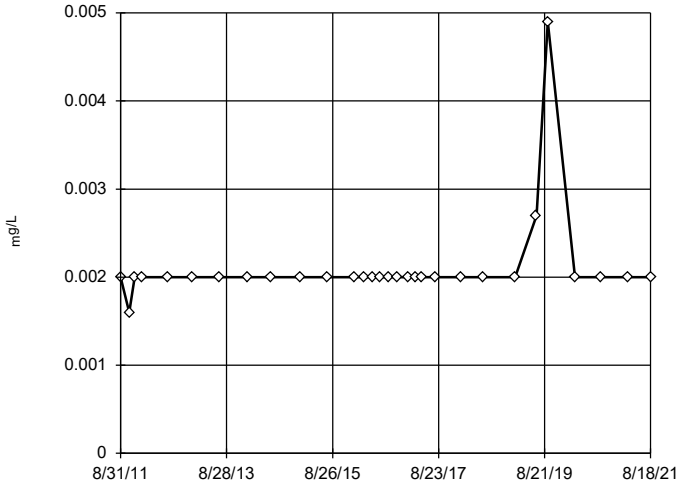
Constituent: Chromium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-6



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

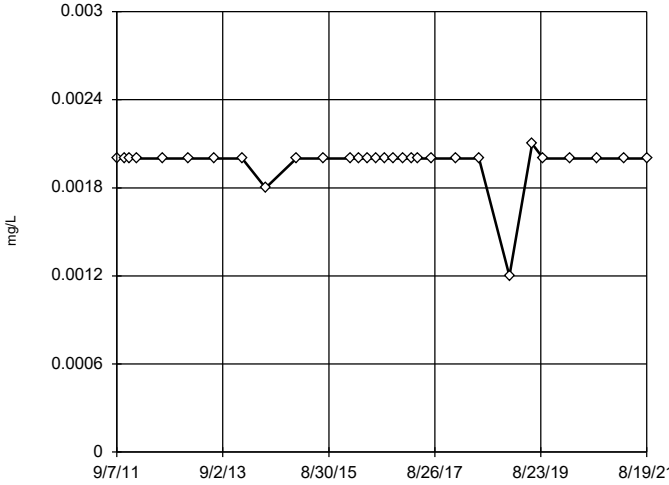
Constituent: Chromium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-7



n = 30

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

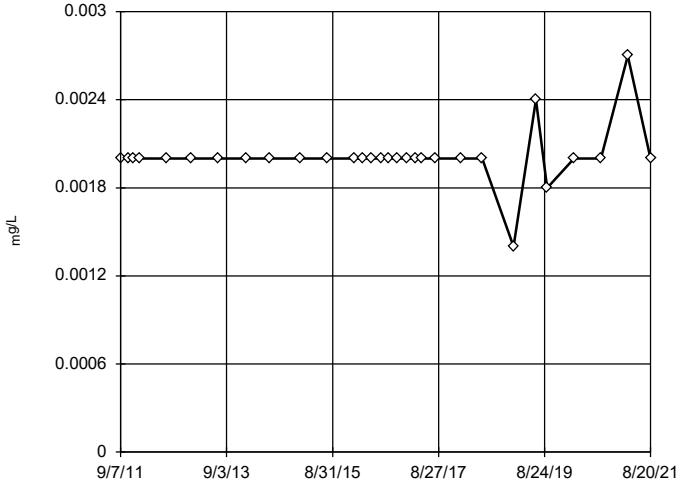
Constituent: Chromium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-8



n = 30

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

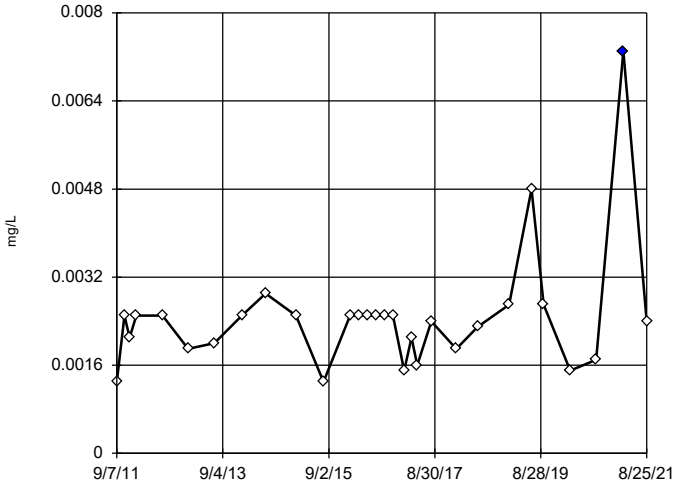
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Chromium Analysis Run 5/11/2022 10:22 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-9



n = 30

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.005695, low cutoff = 0.0008341, based on IQR multiplier of 3.

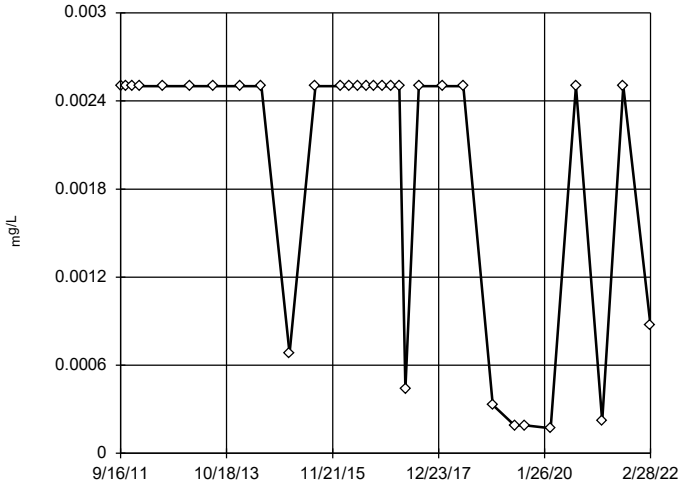
Constituent: Chromium Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-1 (bg)



n = 31

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.05932, low cutoff = 0.00003667, based on IQR multiplier of 3.

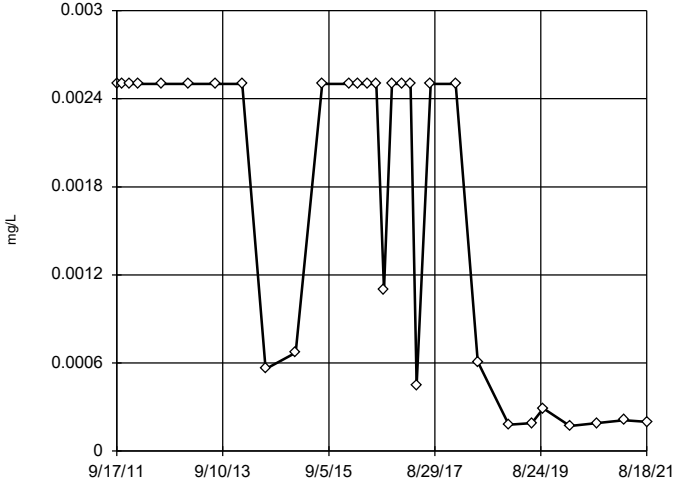
Constituent: Cobalt Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-2 (bg)



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.8286, low cutoff = 0.00000109, based on IQR multiplier of 3.

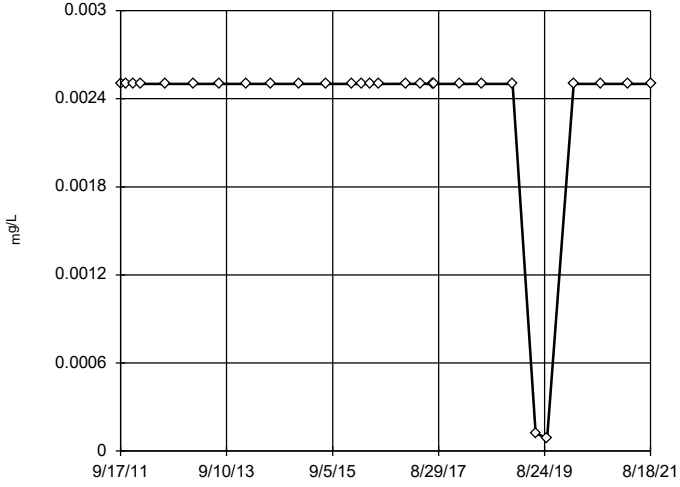
Constituent: Cobalt Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-29 (bg)



n = 28

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

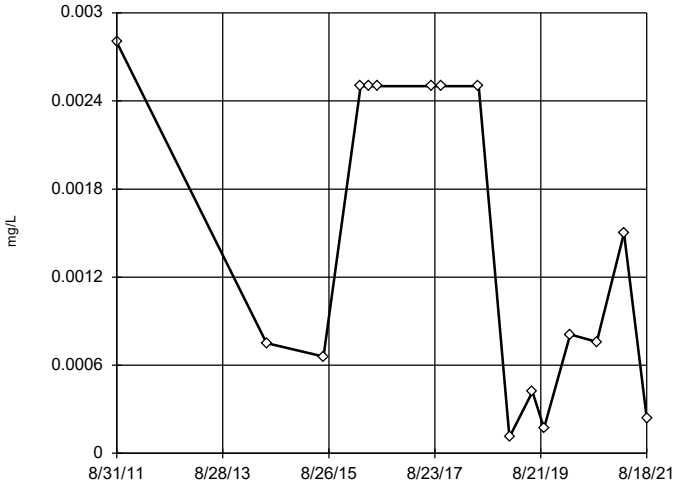
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cobalt Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWA-3 (bg)



n = 16

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.02699, low cutoff = -0.000577, based on IQR multiplier of 3.

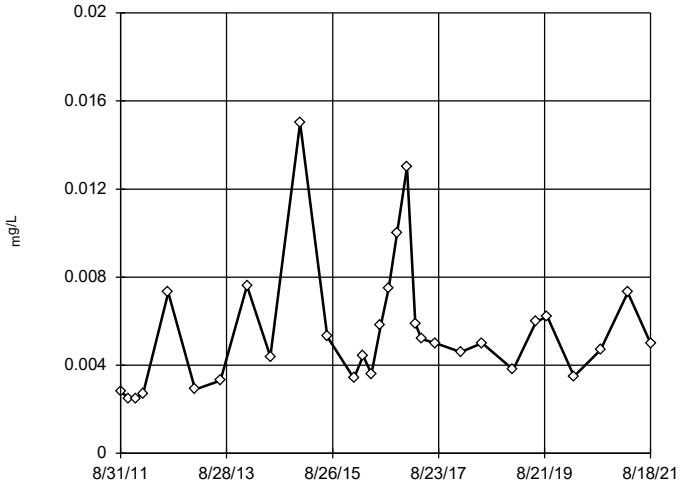
Constituent: Cobalt Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-4 (bg)



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.0499, low cutoff = 0.0004651, based on IQR multiplier of 3.

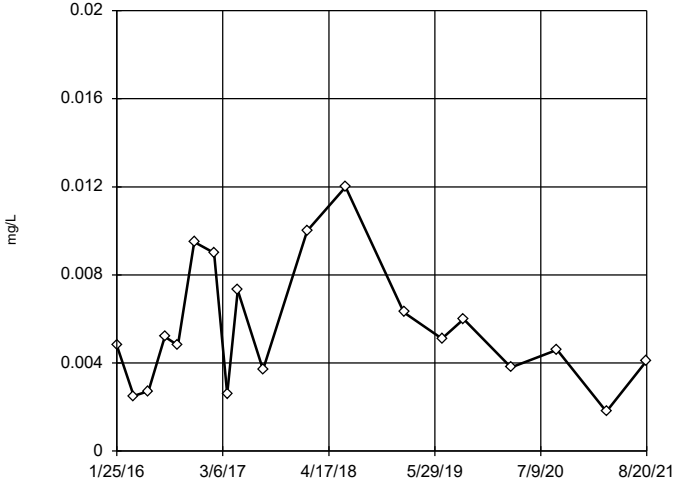
Constituent: Cobalt Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-10



n = 19

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.05606, low cutoff = 0.0004818, based on IQR multiplier of 3.

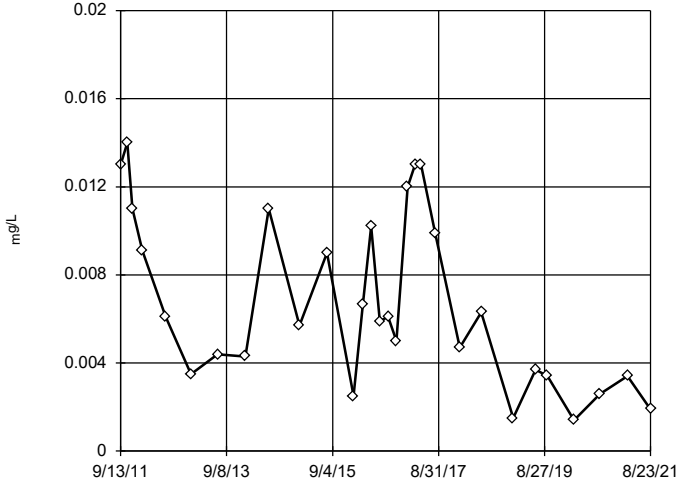
Constituent: Cobalt Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-11



n = 30

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

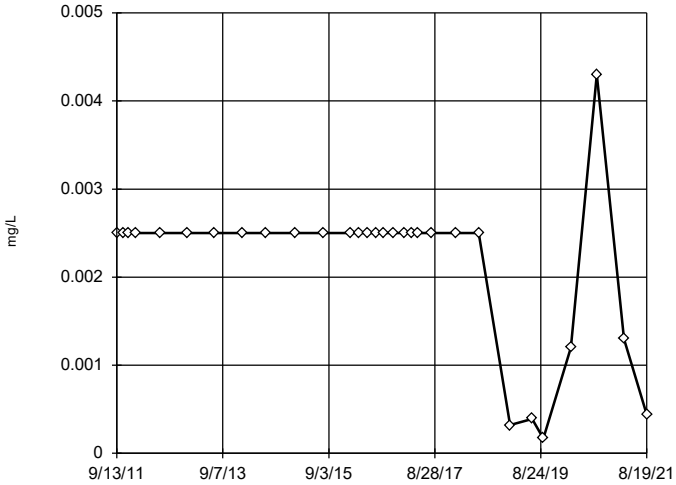
High cutoff = 0.07689, low cutoff = -0.0001619, based on IQR multiplier of 3.

Constituent: Cobalt Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-12



n = 30

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

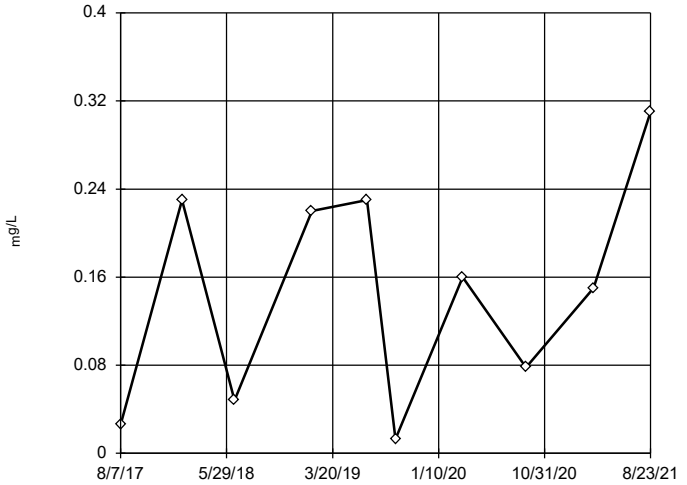
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cobalt Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-14



n = 10

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

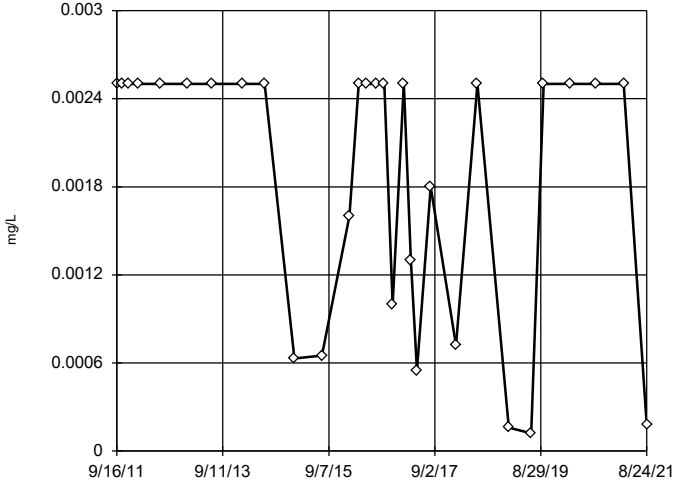
High cutoff = 0.809, low cutoff = -0.542, based on IQR multiplier of 3.

Constituent: Cobalt Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-15



n = 30

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

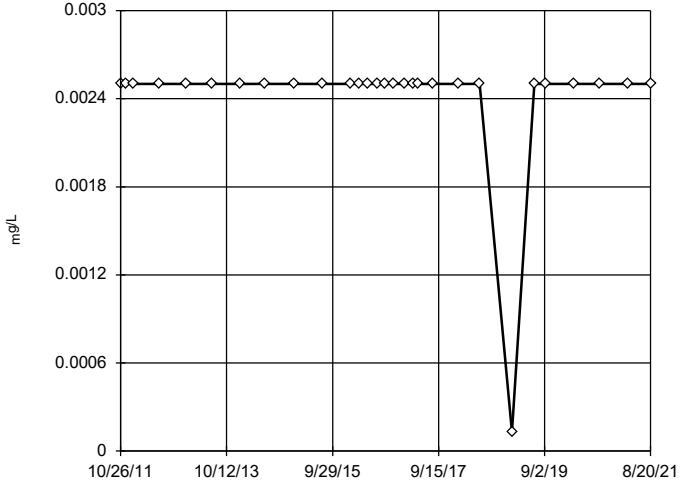
High cutoff = 0.01262, low cutoff = -0.001095, based on IQR multiplier of 3.

Constituent: Cobalt Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-16



n = 29

No outliers found. Tukey's method selected by user.

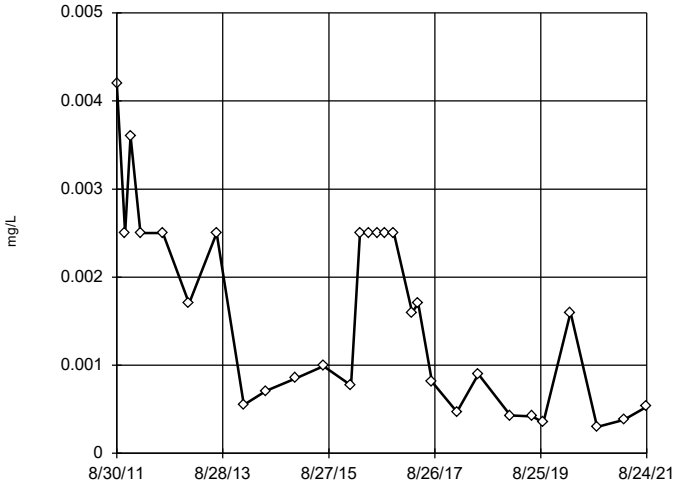
Data were cube transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cobalt Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-19



n = 29

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.02662, low cutoff = -0.0005402, based on IQR multiplier of 3.

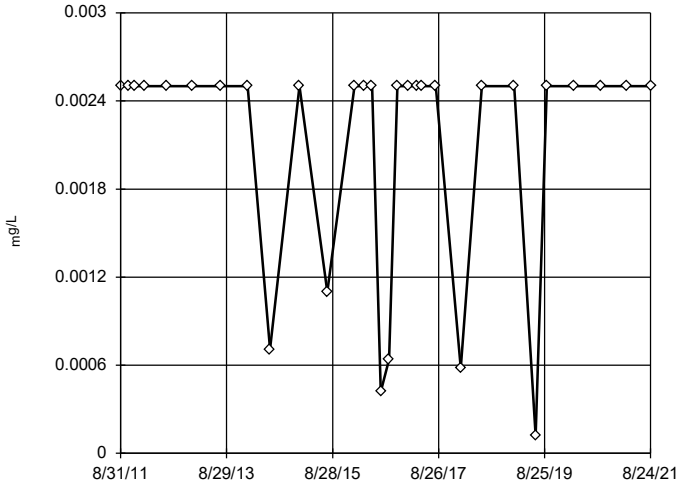
Constituent: Cobalt Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-20



n = 30

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

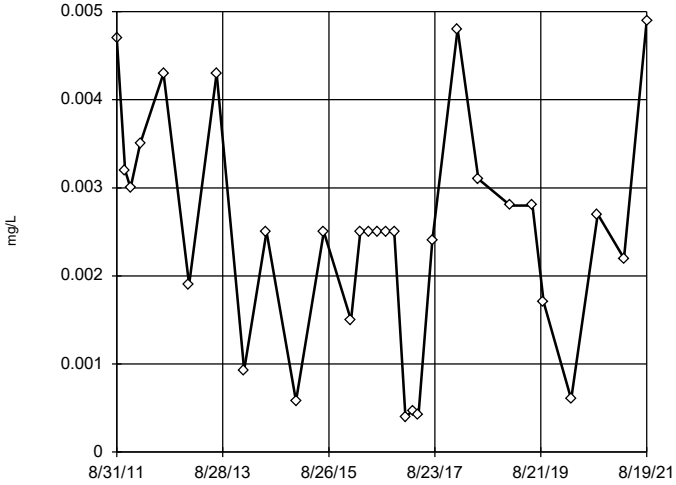
Constituent: Cobalt Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-21



n = 30

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 0.0078, low cutoff = -0.00305, based on IQR multiplier of 3.

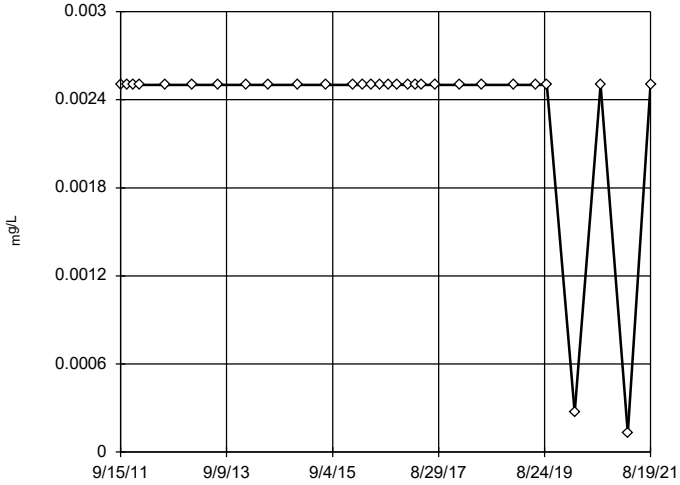
Constituent: Cobalt Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-22



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

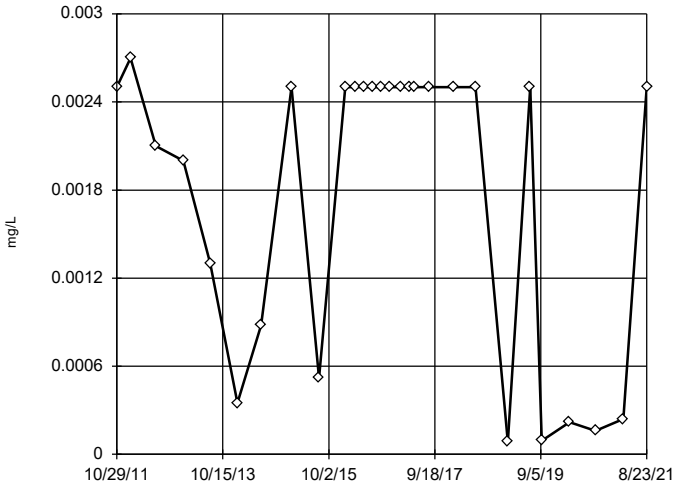
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Cobalt Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-23



n = 28

No outliers found.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

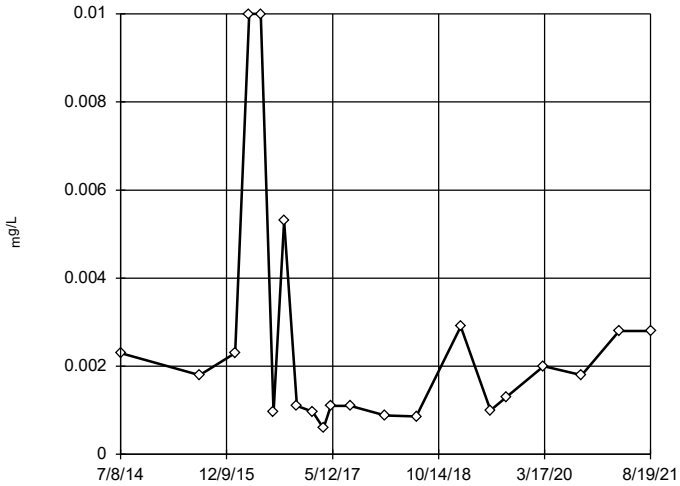
The results were invalidated, because both the lower and upper quartiles represent reporting limits.

Constituent: Cobalt Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-24



n = 21

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

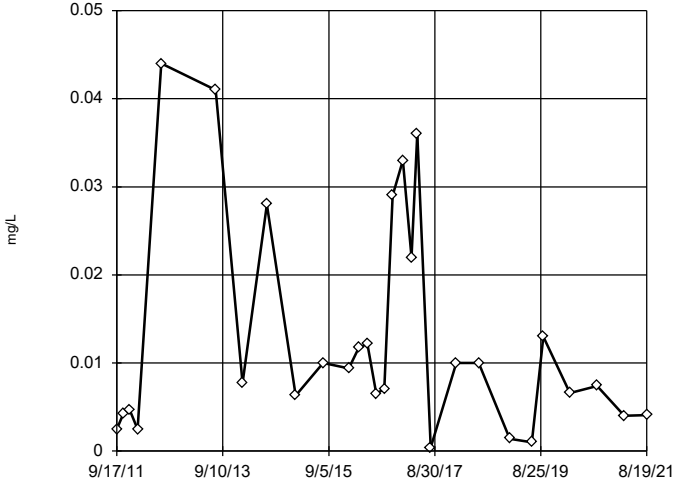
High cutoff = 0.06434, low cutoff = 0.00004286, based on IQR multiplier of 3.

Constituent: Cobalt Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-25



n = 29

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

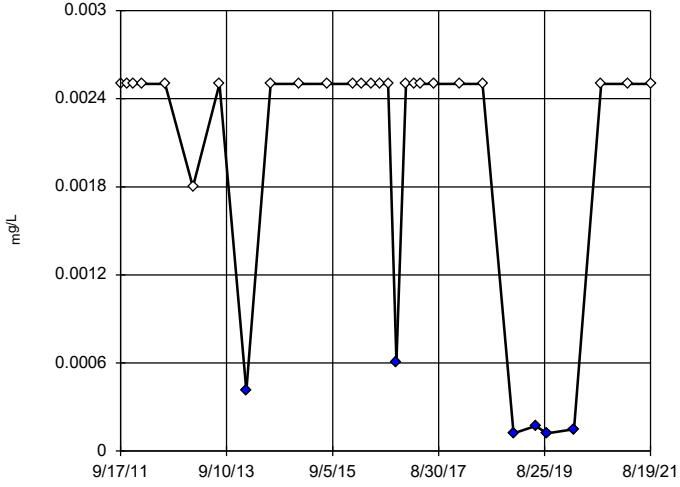
High cutoff = 1.145, low cutoff = 0.00006131, based on IQR multiplier of 3.

Constituent: Cobalt Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-26



n = 30

Outliers are drawn as solid.
Tukey's method selected by user.

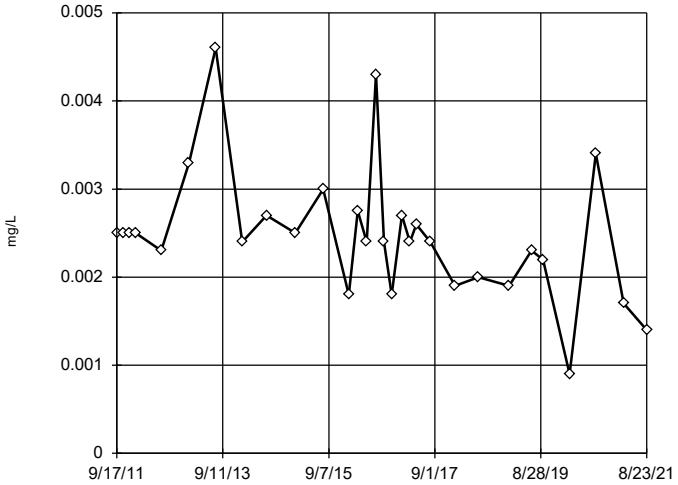
Data were square root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.003765, low cutoff = 0.001215, based on IQR multiplier of 3.

Constituent: Cobalt Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-27



n = 30

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.00605, low cutoff = 0.0005504, based on IQR multiplier of 3.

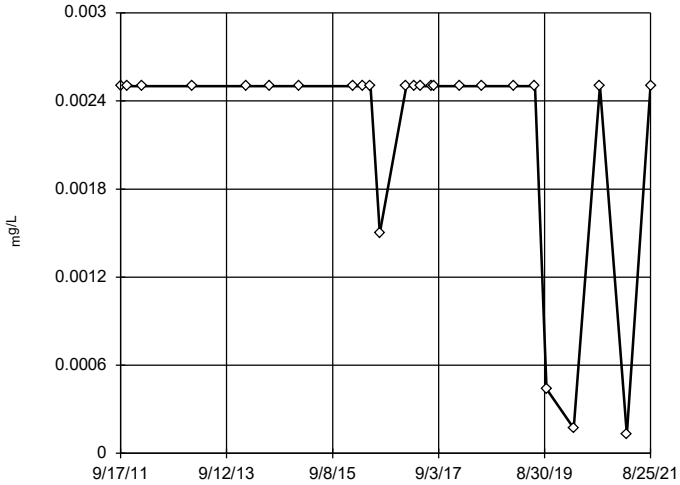
Constituent: Cobalt Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-31



n = 25

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

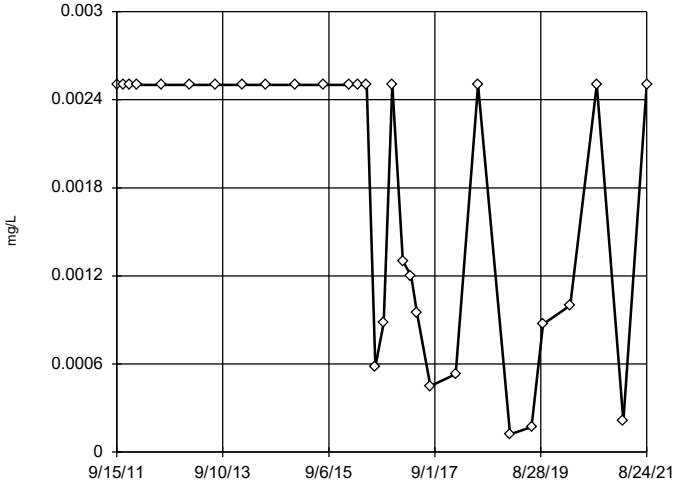
Constituent: Cobalt Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-32



n = 30

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.01677, low cutoff = -0.00001485, based on IQR multiplier of 3.

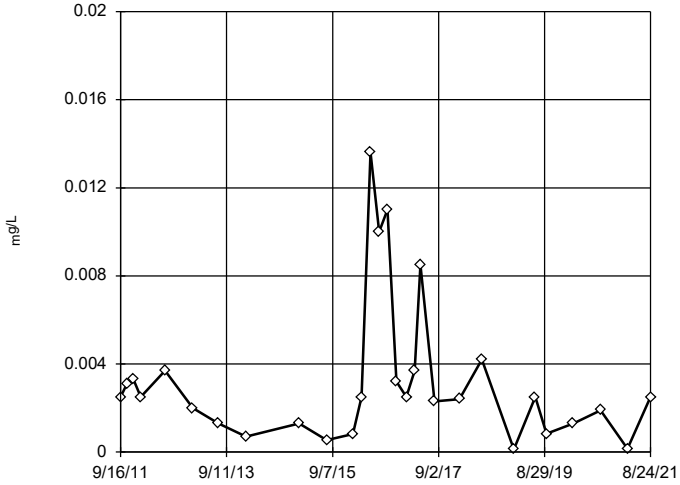
Constituent: Cobalt Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-33



n = 29

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

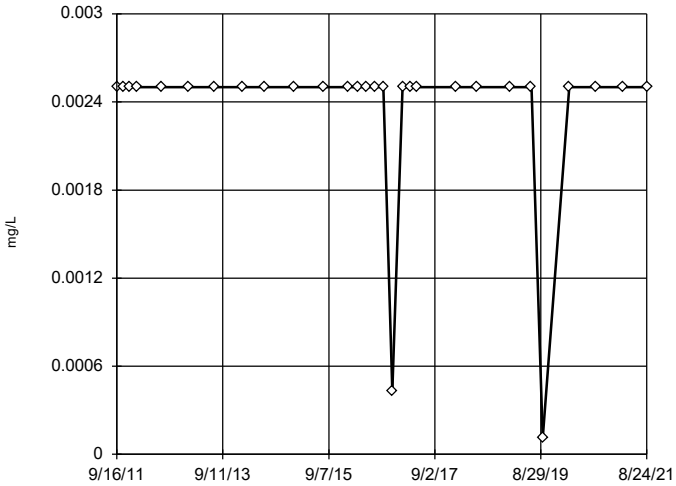
High cutoff = 0.02188, low cutoff = -0.000006608, based on IQR multiplier of 3.

Constituent: Cobalt Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-34



n = 29

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

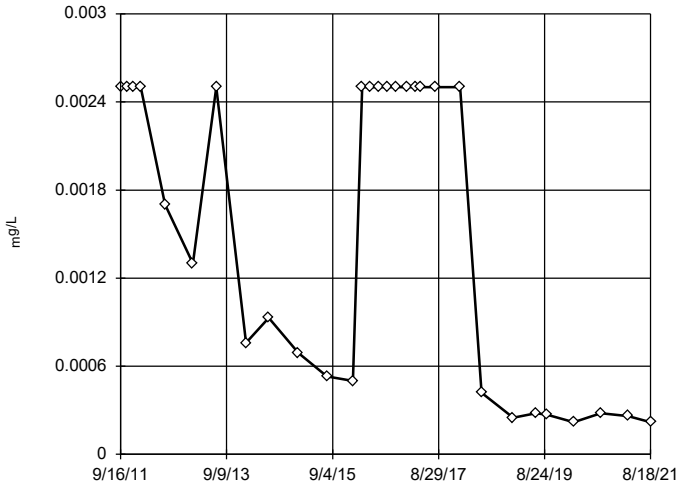
Constituent: Cobalt Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-35



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.9686, low cutoff = 8.9e-7, based on IQR multiplier of 3.

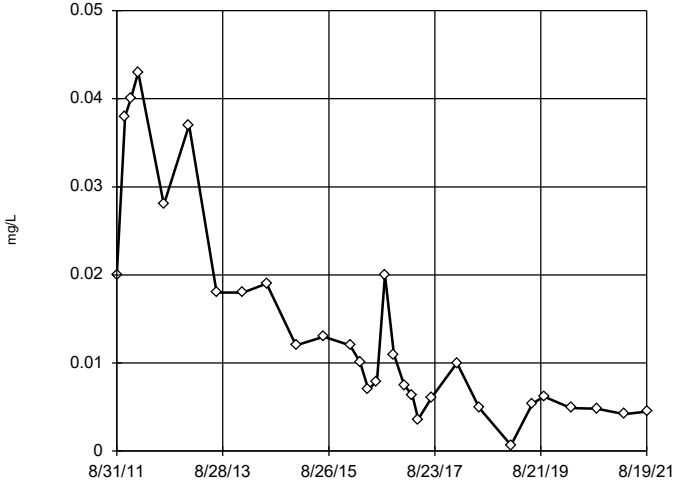
Constituent: Cobalt Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-5



n = 30

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.1743, low cutoff = -0.001595, based on IQR multiplier of 3.

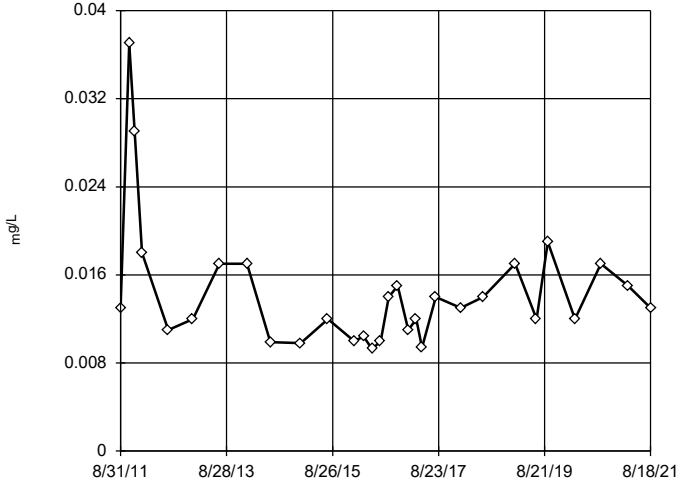
Constituent: Cobalt Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-6



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

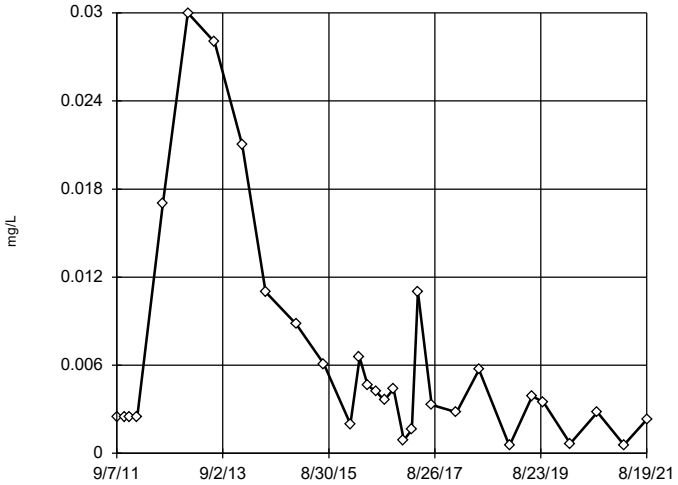
High cutoff = 0.06826, low cutoff = 0.002664, based on IQR multiplier of 3.

Constituent: Cobalt Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-7



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

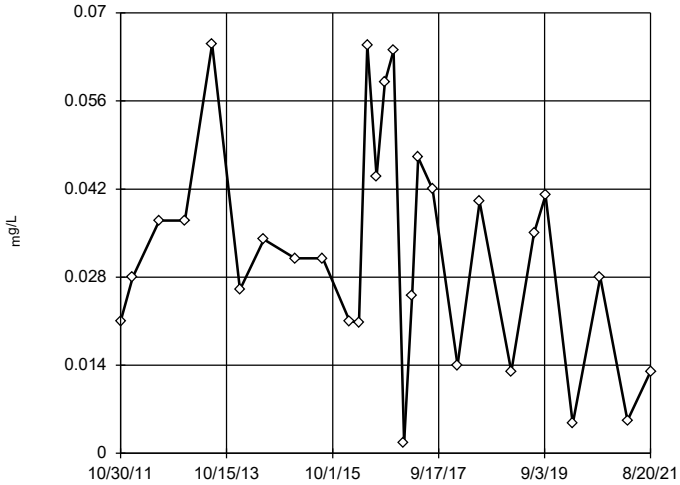
High cutoff = 0.2388, low cutoff = 0.00007607, based on IQR multiplier of 3.

Constituent: Cobalt Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-8



n = 28

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

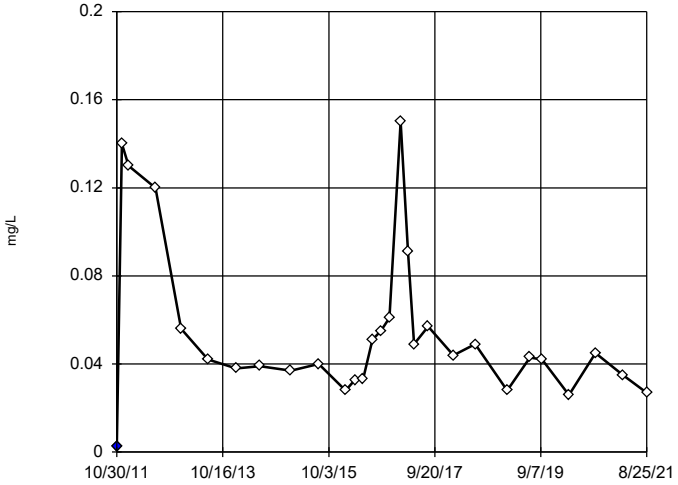
High cutoff = 0.1033, low cutoff = -0.0409, based on IQR multiplier of 3.

Constituent: Cobalt Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-9



n = 29

Outlier is drawn as solid. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

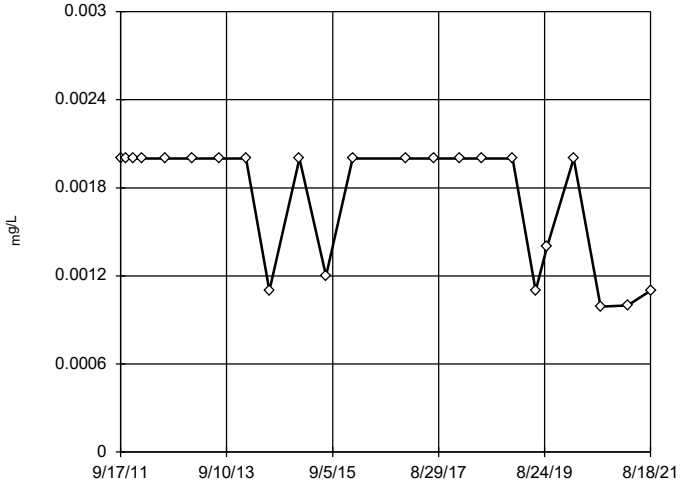
High cutoff = 0.1767, low cutoff = 0.003186, based on IQR multiplier of 3.

Constituent: Cobalt Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-2 (bg)



n = 23

No outliers found. Tukey's method selected by user.

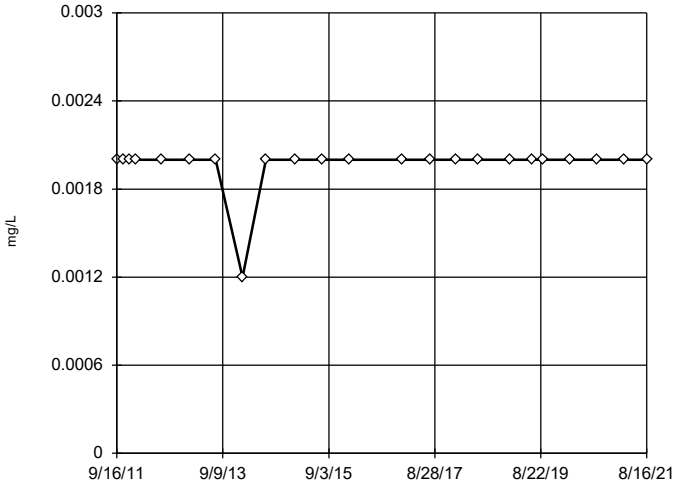
Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.009259, low cutoff = 0.0002592, based on IQR multiplier of 3.

Constituent: Copper Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWA-28 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

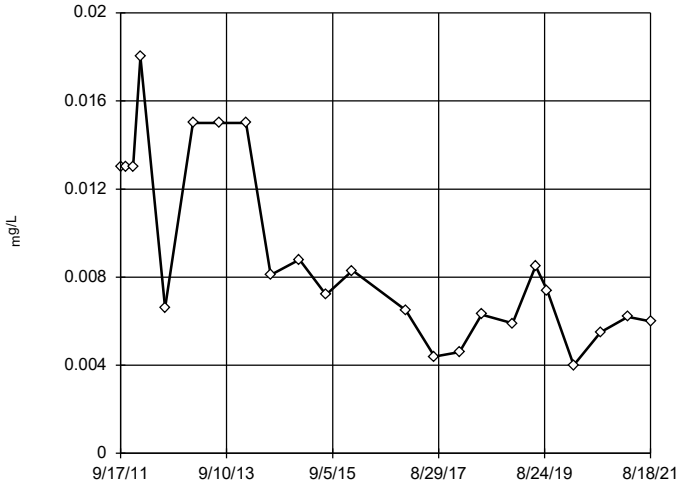
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Copper Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-29 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

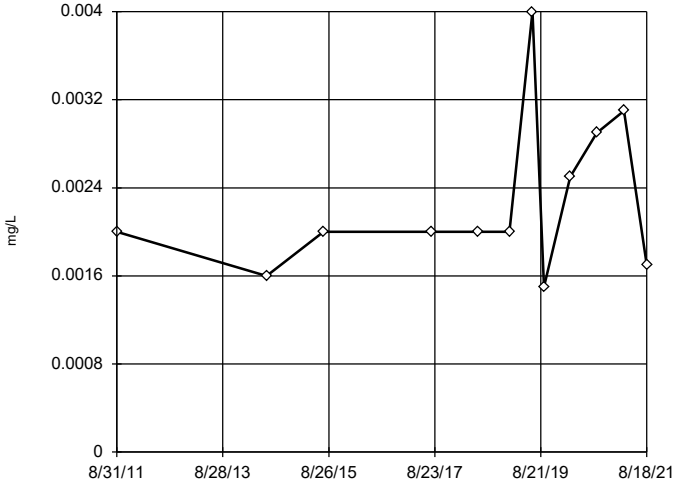
High cutoff = 0.1322, low cutoff = 0.0005899, based on IQR multiplier of 3.

Constituent: Copper Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-3 (bg)



n = 12

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

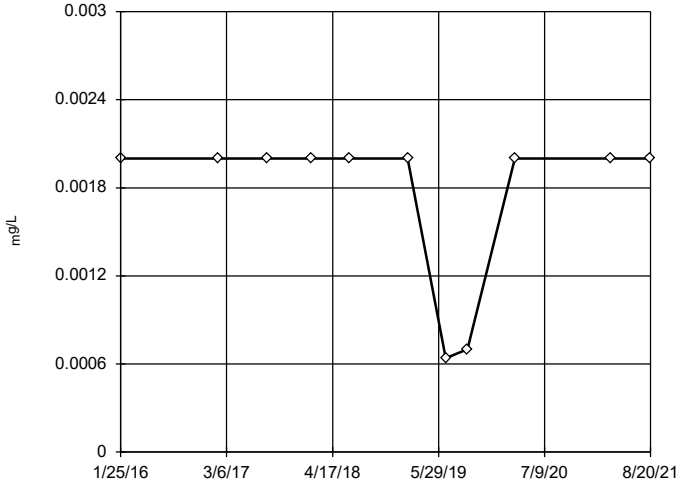
High cutoff = 0.008384, low cutoff = 0.0005922, based on IQR multiplier of 3.

Constituent: Copper Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-10



n = 11

No outliers found. Tukey's method selected by user.

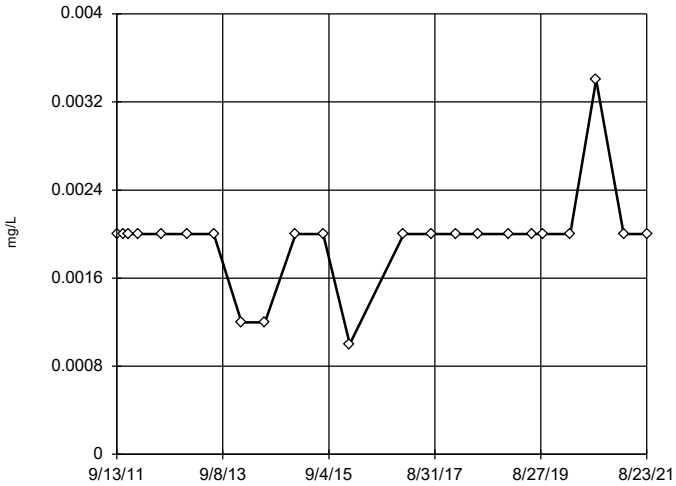
Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Copper Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-11



n = 23

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

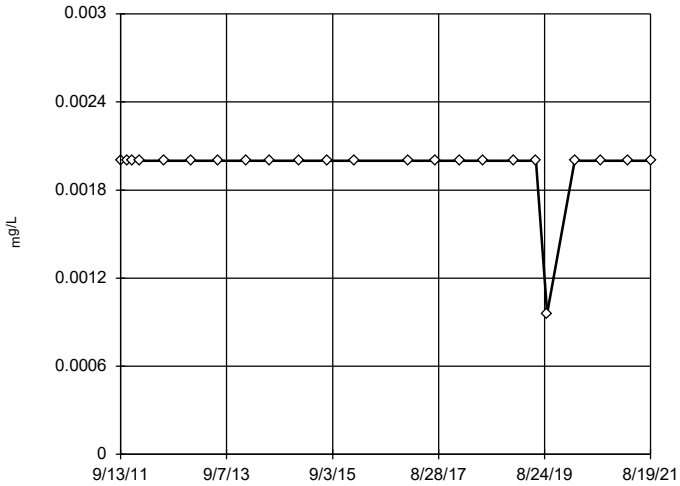
Constituent: Copper Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-12



n = 23

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

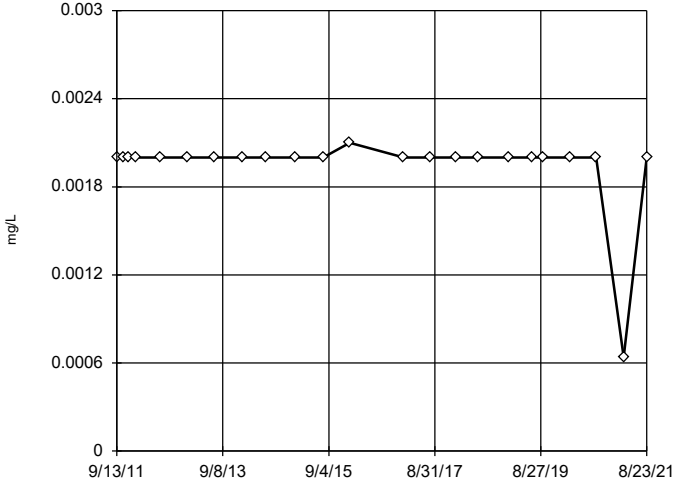
Constituent: Copper Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-13



n = 23

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

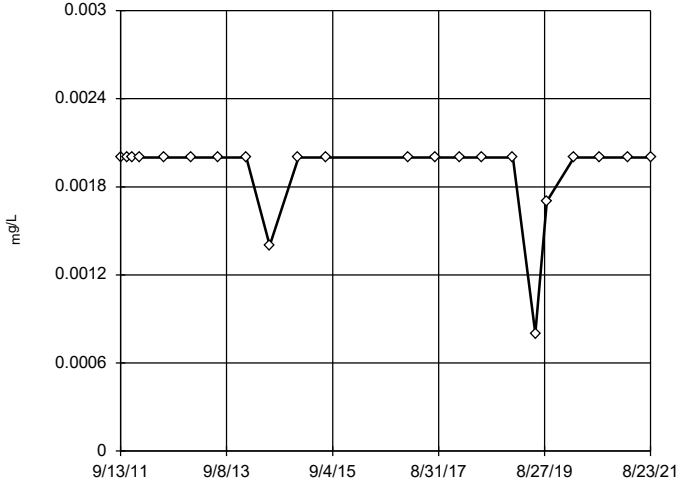
Constituent: Copper Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-14



n = 22

No outliers found. Tukey's method selected by user.

Data were x^5 transformed to achieve best W statistic (graph shown in original units).

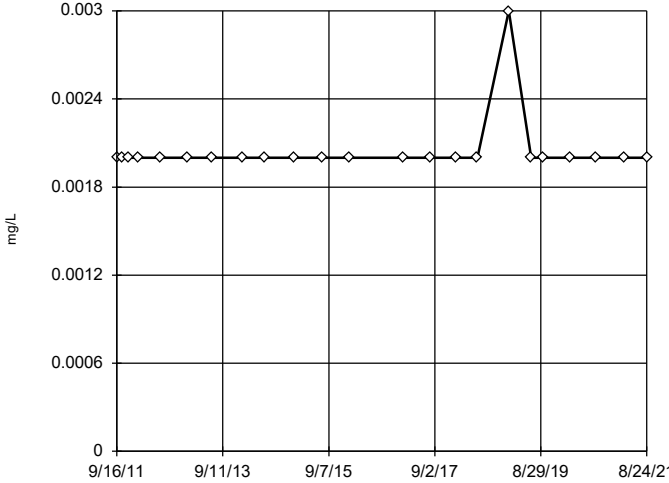
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Copper Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-15



n = 23

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

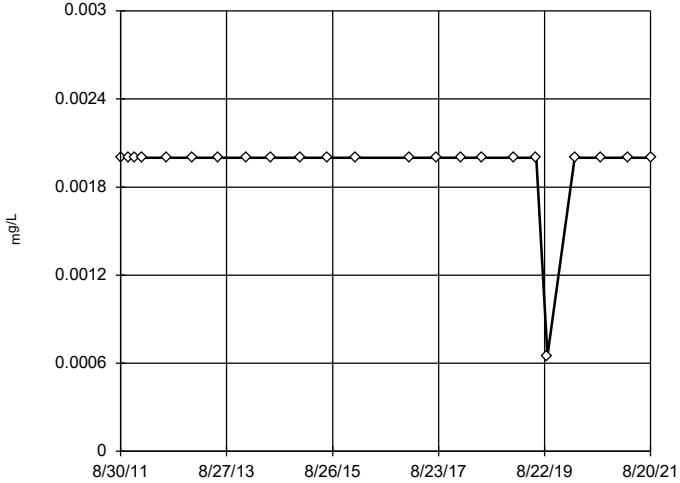
Constituent: Copper Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-16



n = 23

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

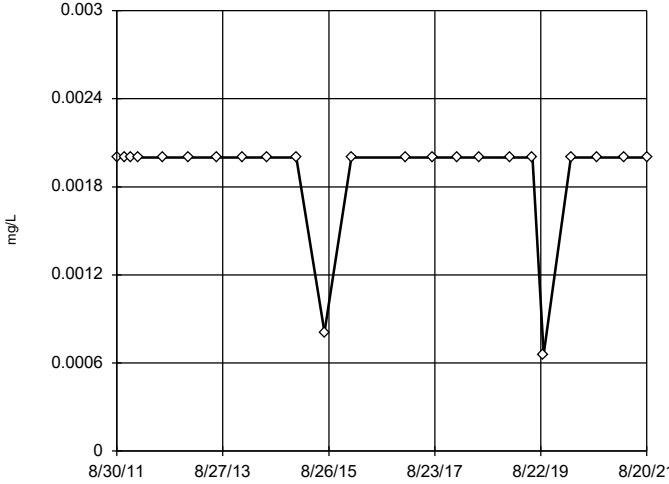
Constituent: Copper Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-17



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

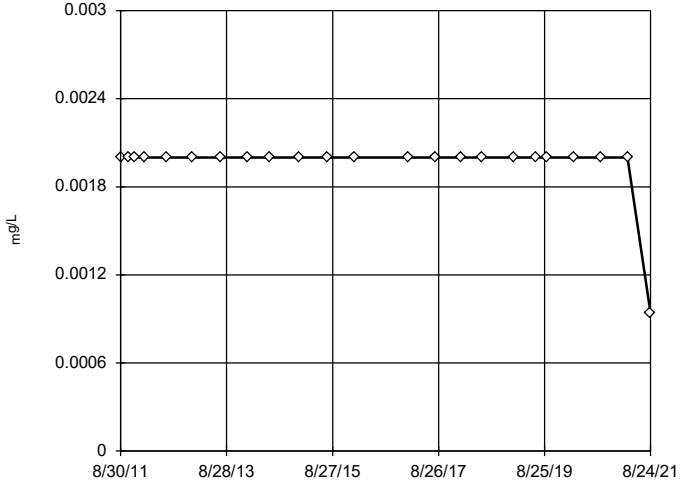
Constituent: Copper Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-19



n = 23

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

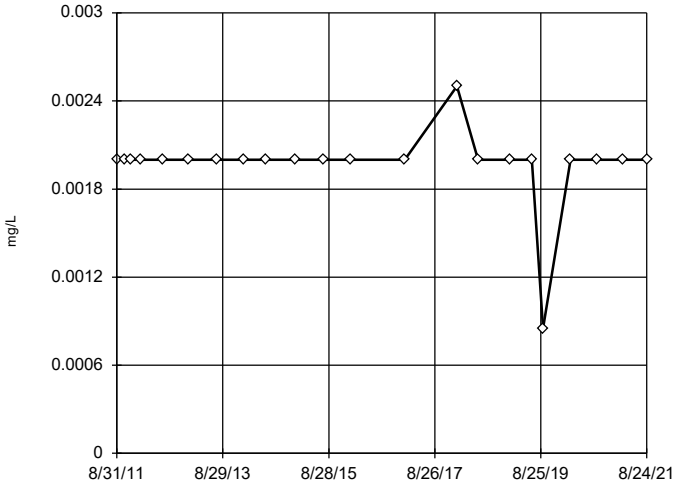
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Copper Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-20



n = 22

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

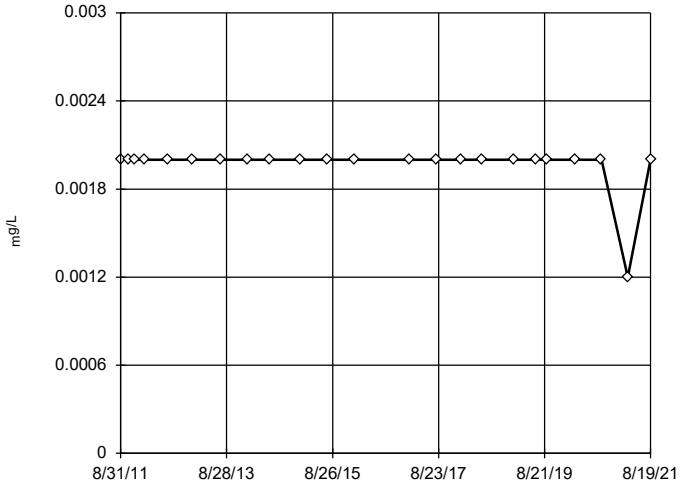
Constituent: Copper Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-21



n = 23

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

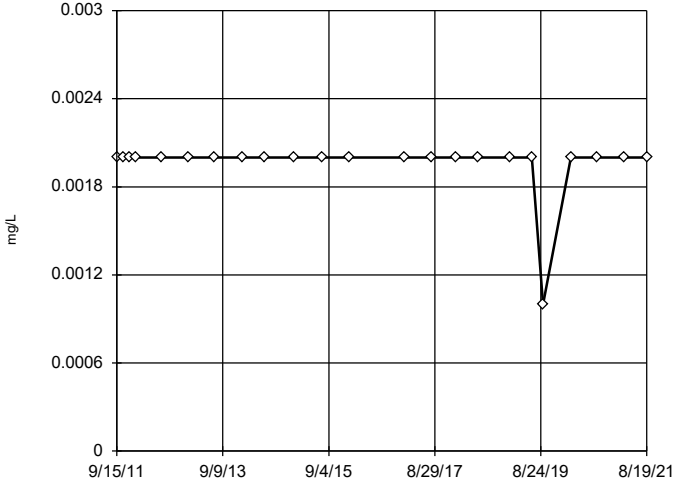
Constituent: Copper Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-22



n = 23

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

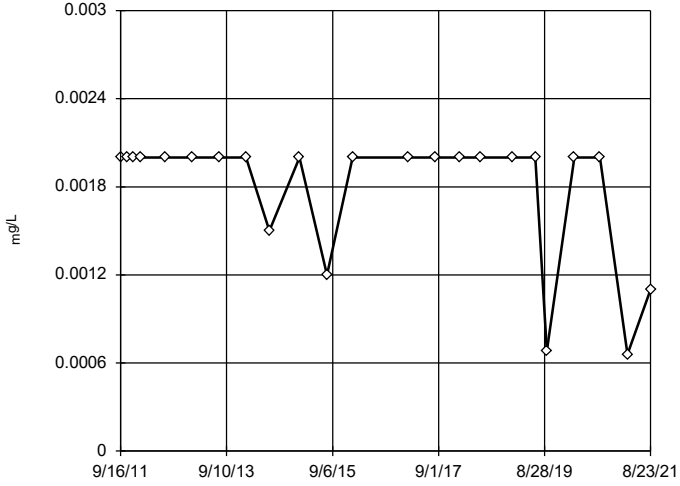
Constituent: Copper Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-23



n = 23

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

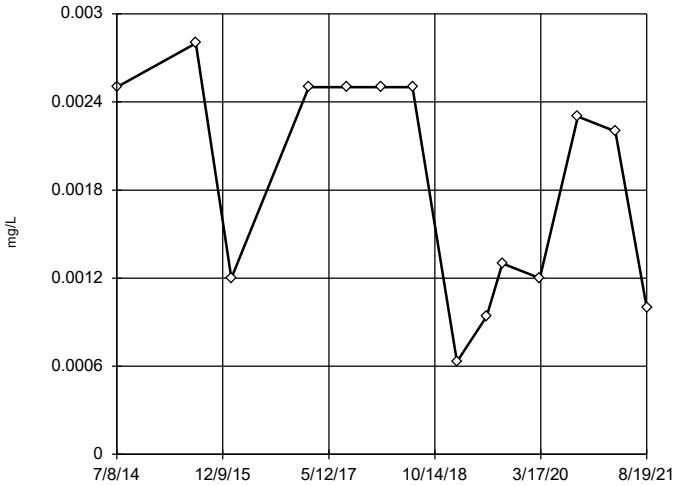
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Copper Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-24



n = 14

No outliers found.
Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

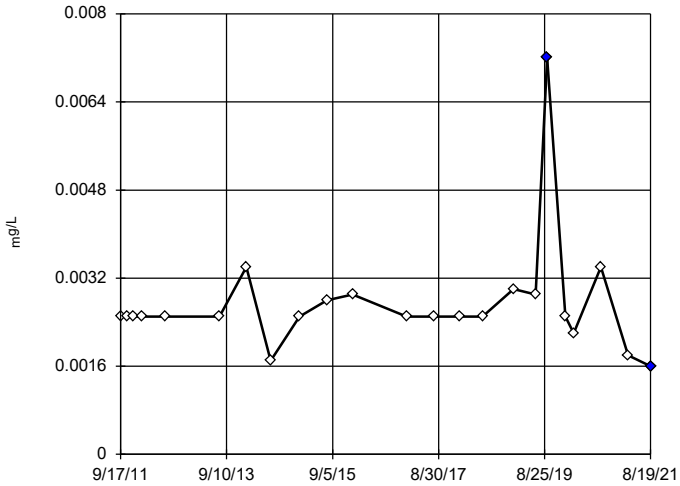
High cutoff = 0.01012, low cutoff = -0.0003053, based on IQR multiplier of 3.

Constituent: Copper Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-25



n = 23

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

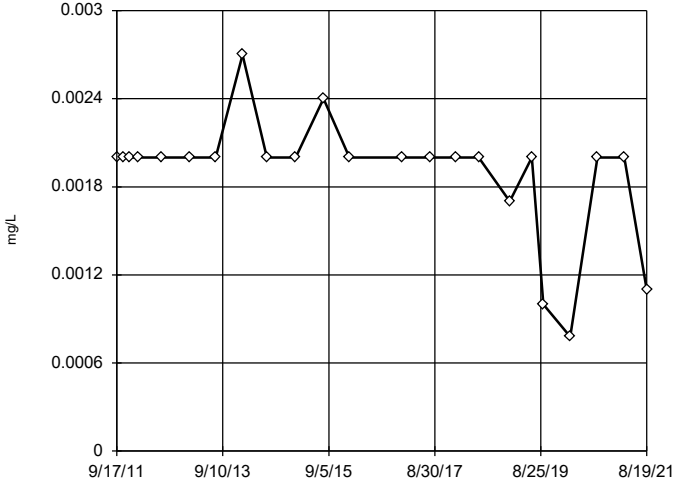
High cutoff = 0.004527, low cutoff = 0.001602, based on IQR multiplier of 3.

Constituent: Copper Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-26



n = 23

No outliers found.
Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

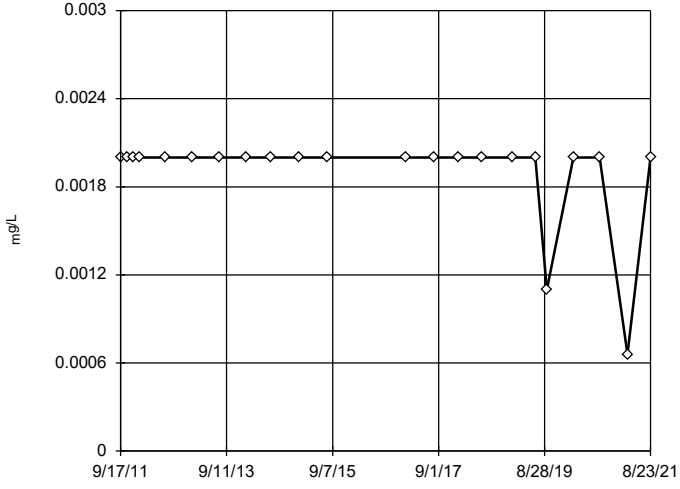
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Copper Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-27



n = 22

No outliers found.
Tukey's method selected by user.

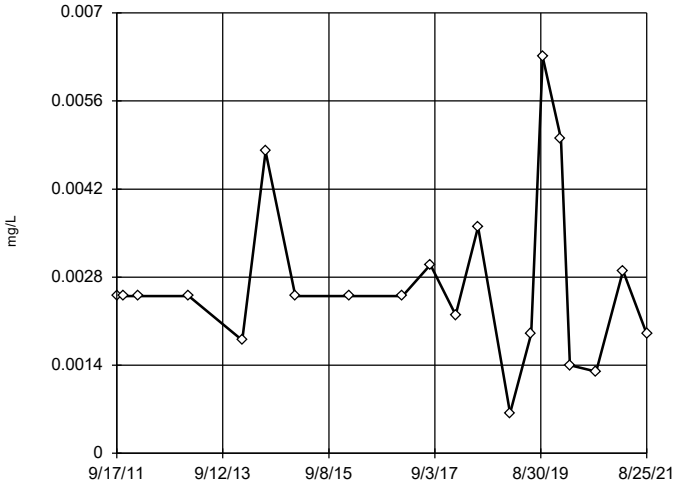
Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Copper Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-31



n = 20

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.008253, low cutoff = 0.0002769, based on IQR multiplier of 3.

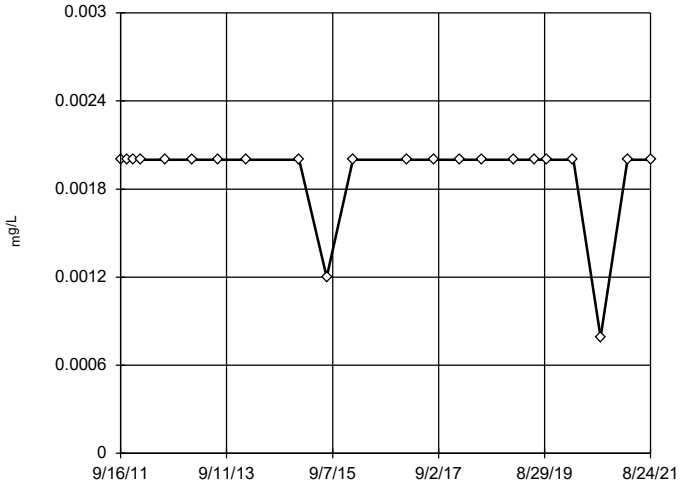
Constituent: Copper Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-33



n = 22

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

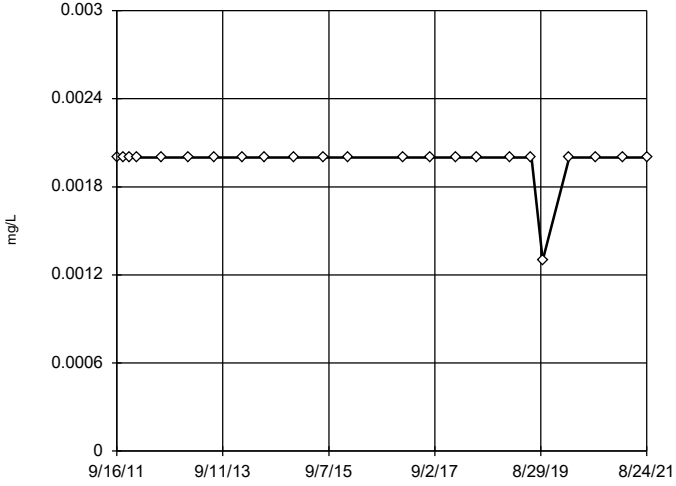
Constituent: Copper Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-34



n = 23

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

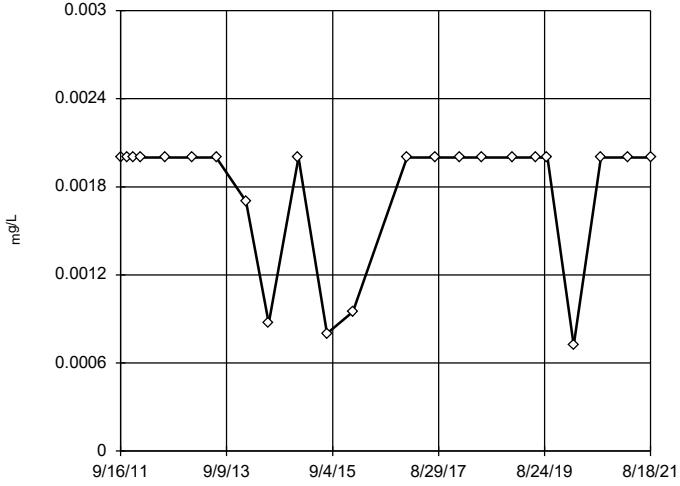
Constituent: Copper Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-35



n = 23

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

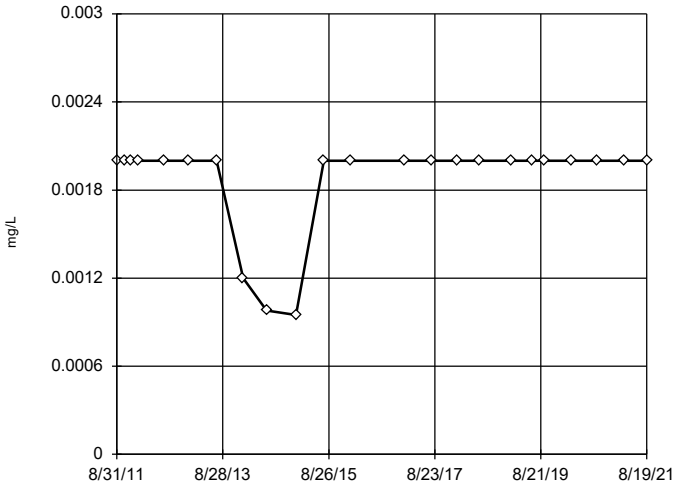
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Copper Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-5



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

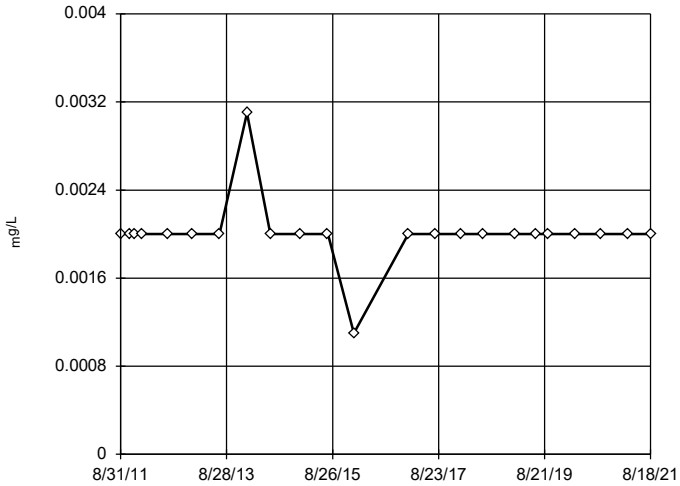
Constituent: Copper Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-6



n = 23

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

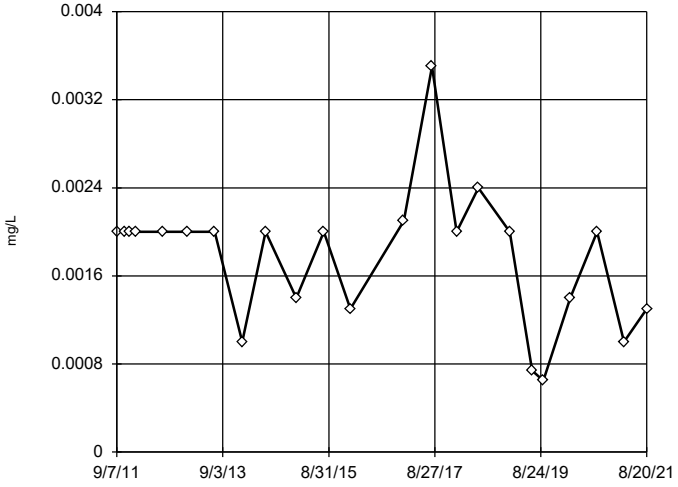
Constituent: Copper Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-8



n = 23

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.005001, low cutoff = 0.0001012, based on IQR multiplier of 3.

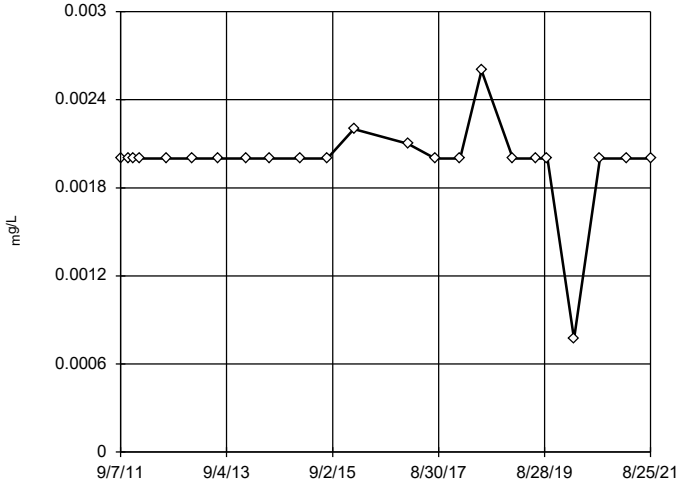
Constituent: Copper Analysis Run 5/11/2022 10:23 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-9



n = 23

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

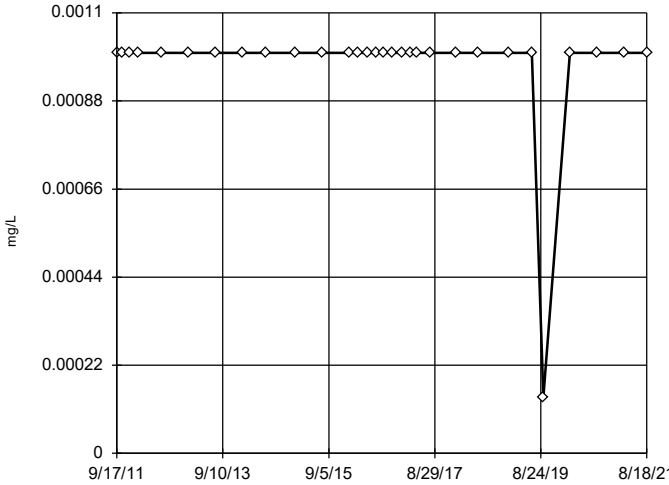
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Copper Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWA-2 (bg)



n = 30

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

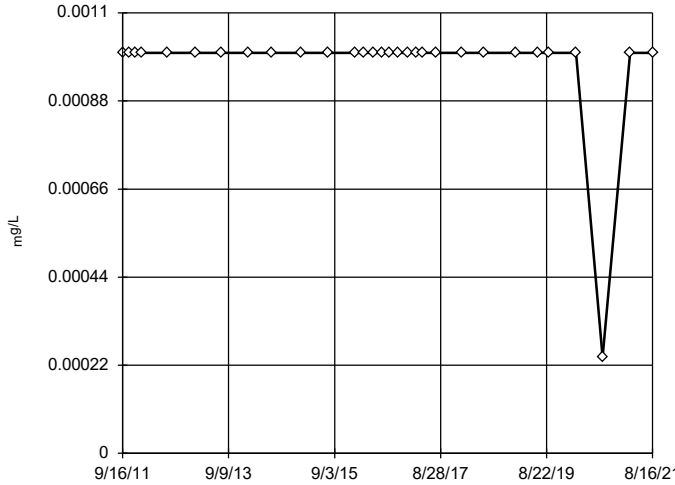
Constituent: Lead Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-28 (bg)



n = 30

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

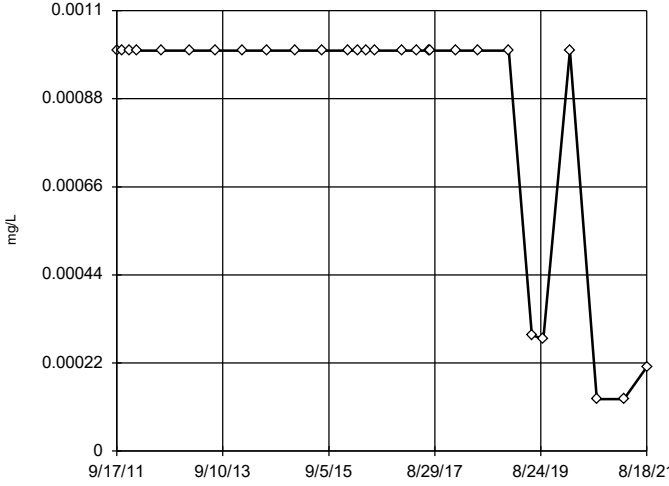
Constituent: Lead Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-29 (bg)



n = 28

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

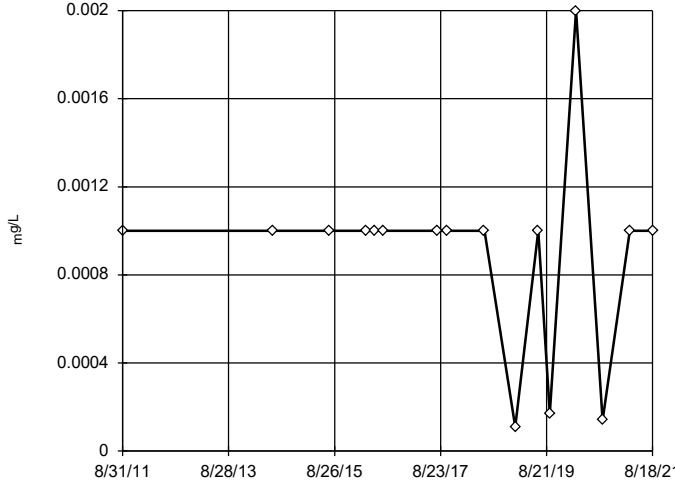
Constituent: Lead Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-3 (bg)



n = 16

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

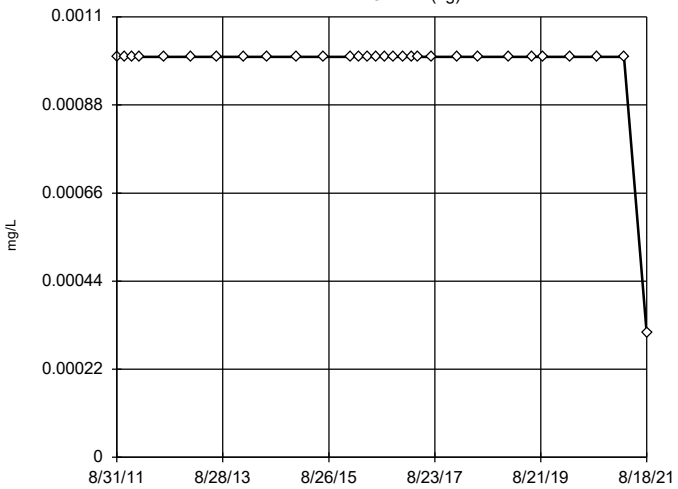
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lead Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWA-4 (bg)



n = 30

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

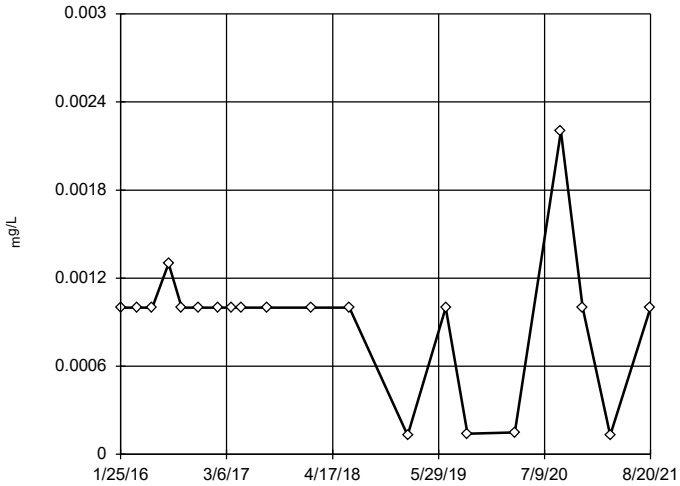
Constituent: Lead Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-10



n = 20

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

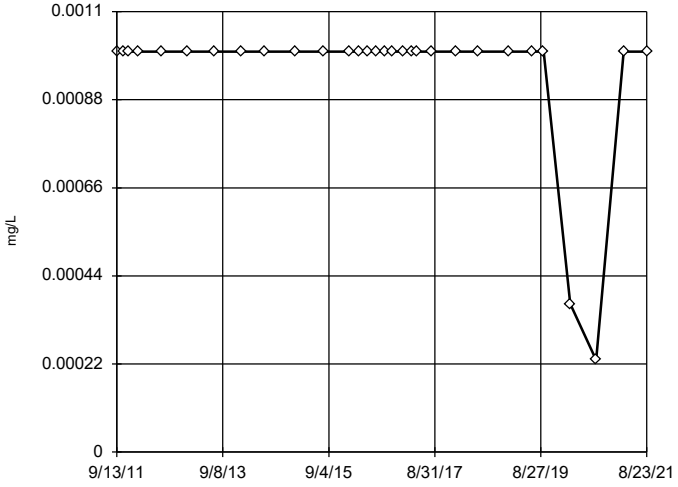
Constituent: Lead Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-11



n = 30

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

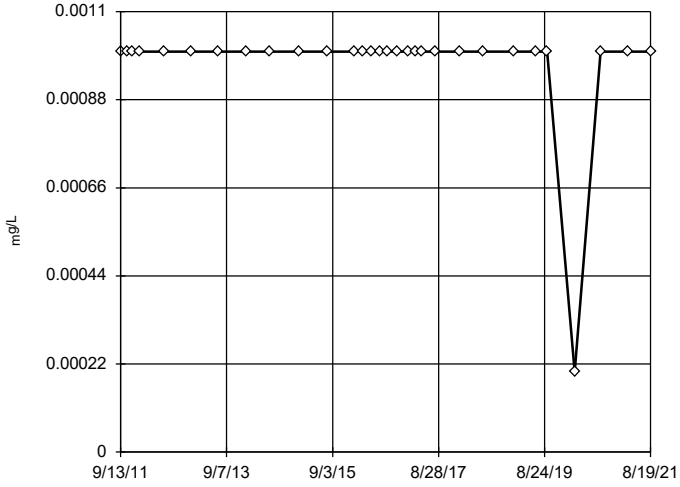
Constituent: Lead Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-12



n = 30

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

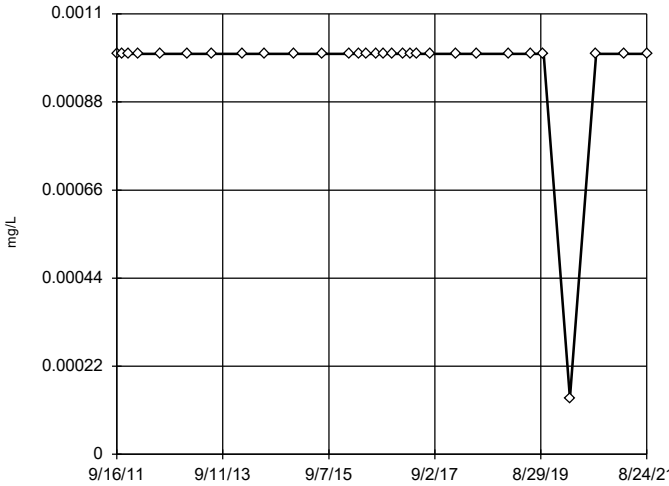
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lead Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-15



n = 30

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

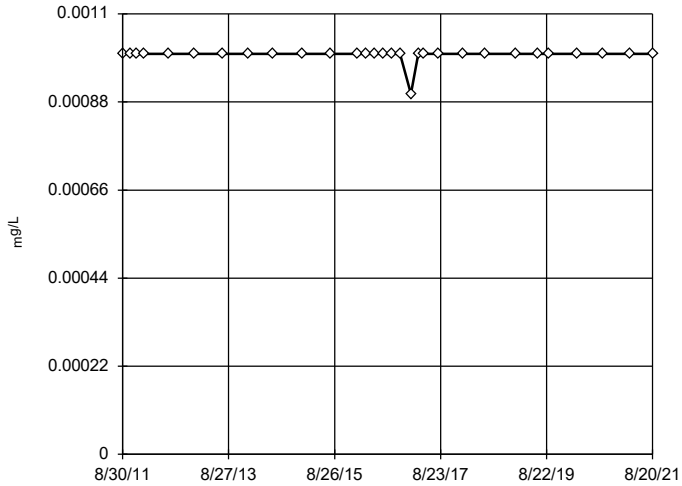
Constituent: Lead Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-17



n = 30

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

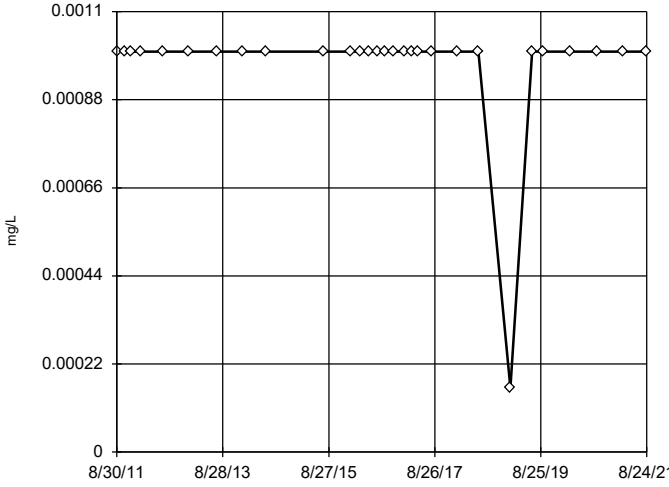
Constituent: Lead Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-18



n = 29

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

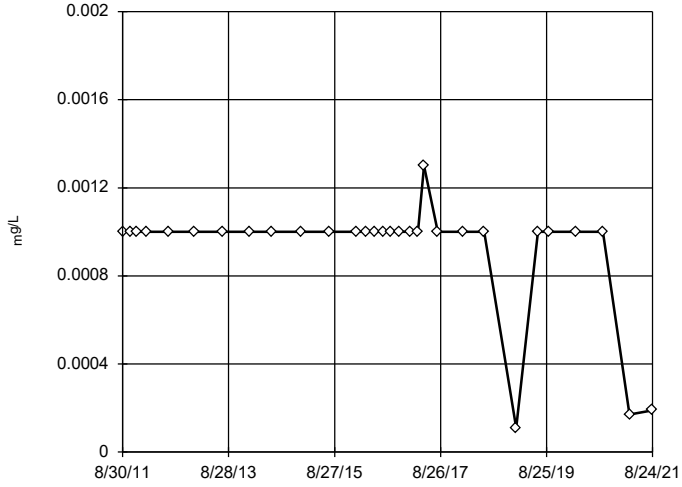
Constituent: Lead Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-19



n = 30

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

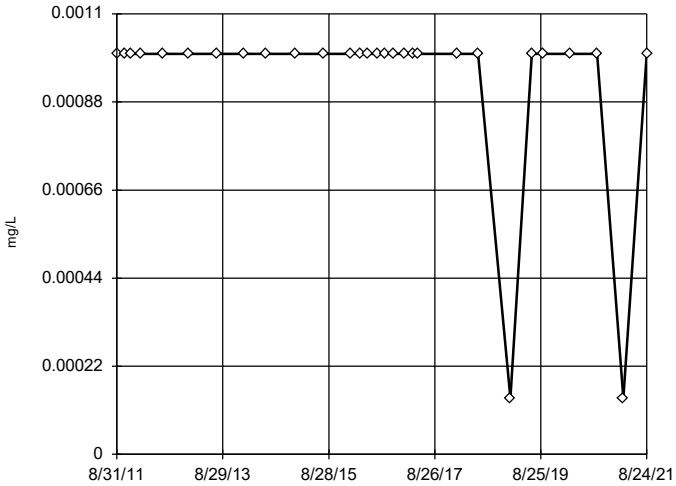
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lead Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-20



n = 29

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

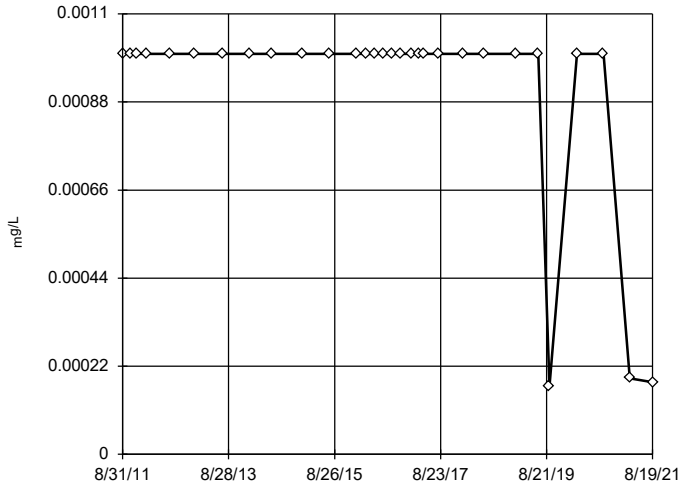
Constituent: Lead Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-21



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

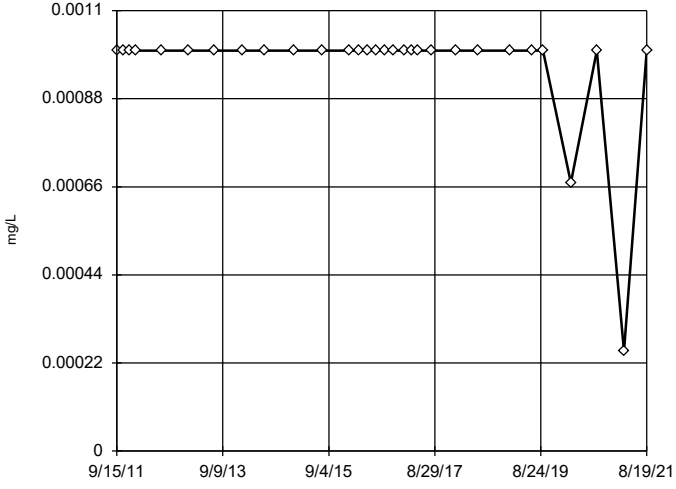
Constituent: Lead Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-22



n = 30

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

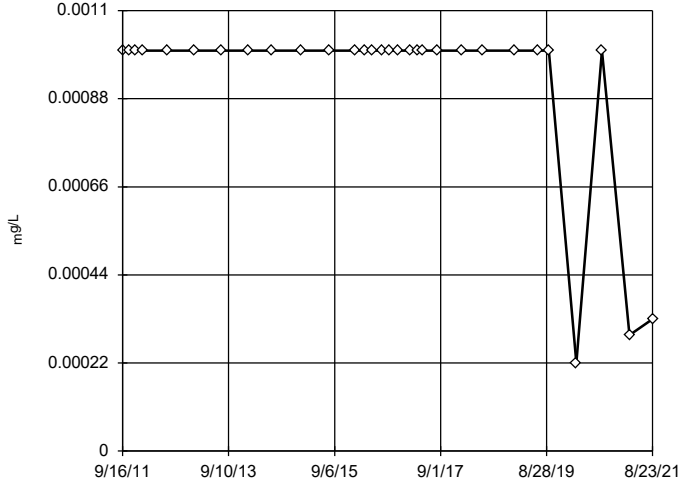
Constituent: Lead Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-23



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

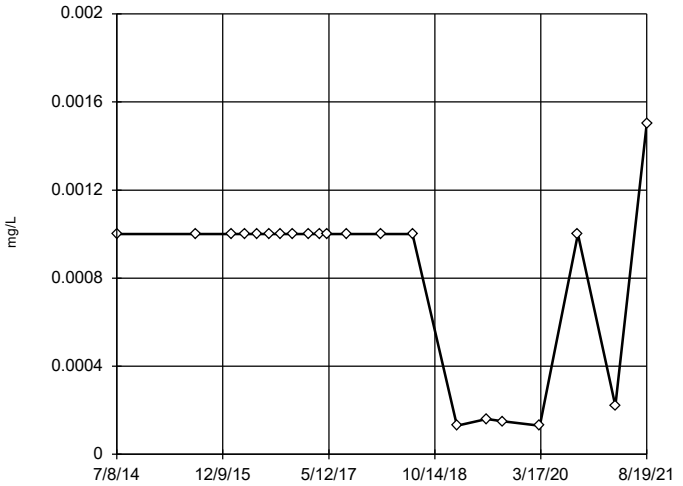
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lead Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-24



n = 21

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.001558, low cutoff = -0.0009504, based on IQR multiplier of 3.

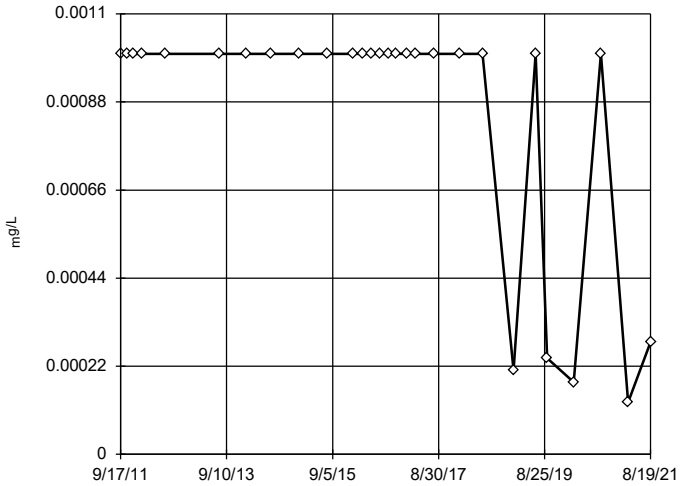
Constituent: Lead Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-25



n = 28

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

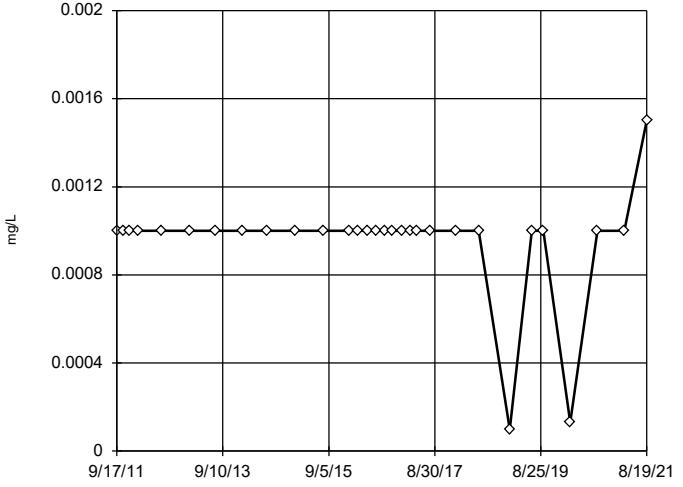
Constituent: Lead Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-26



n = 30

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

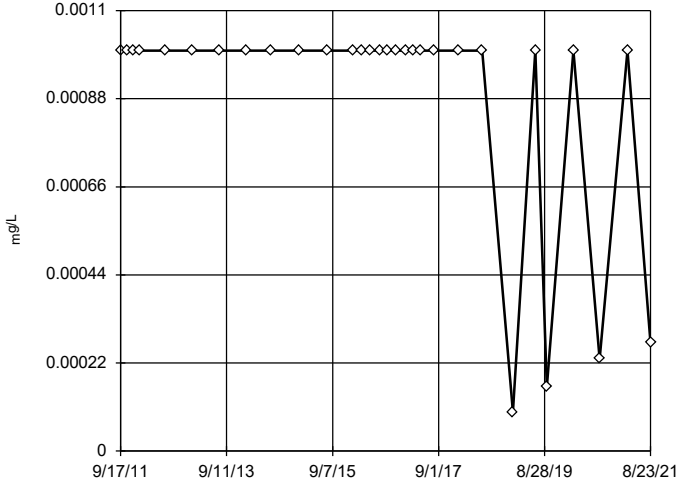
Constituent: Lead Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-27



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

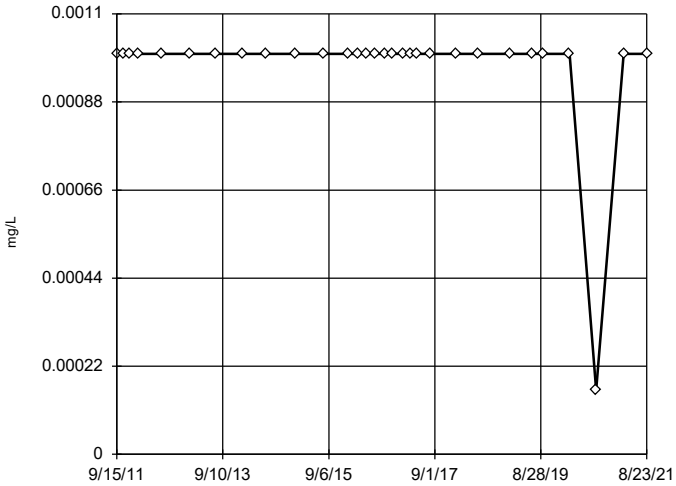
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lead Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-30



n = 30

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

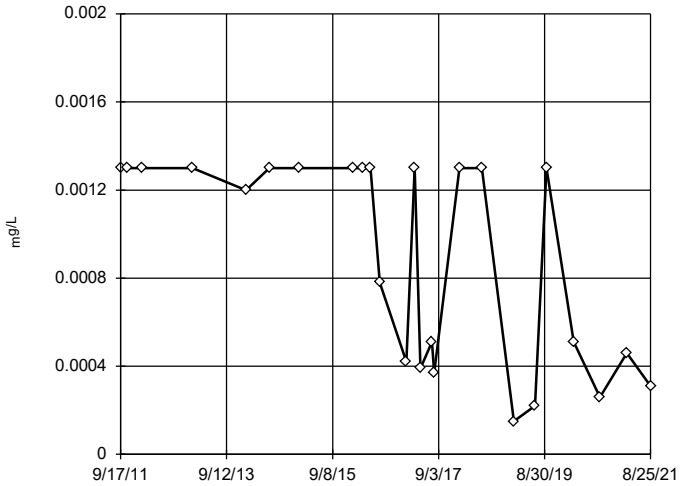
Constituent: Lead Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-31



n = 25

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.04308, low cutoff = 0.00001221, based on IQR multiplier of 3.

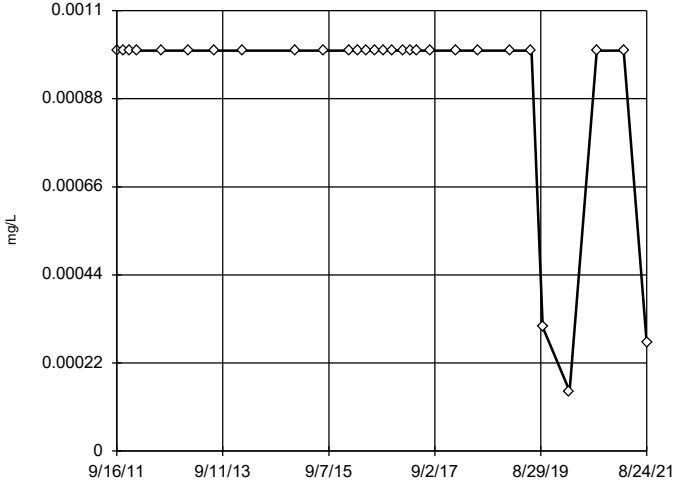
Constituent: Lead Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-33



n = 29

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

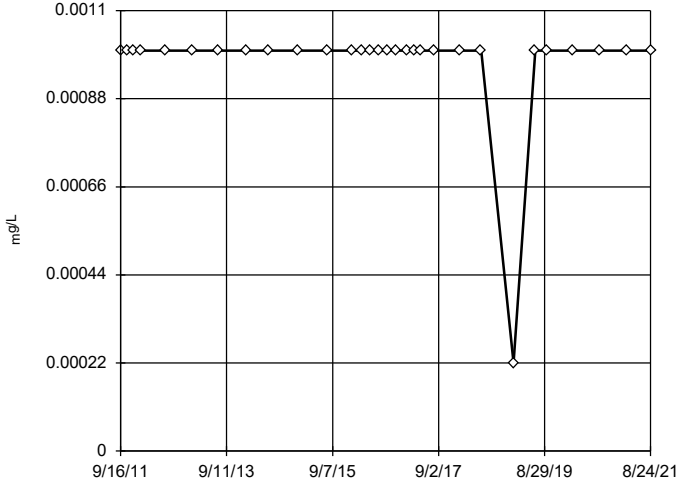
Constituent: Lead Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-34



n = 30

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

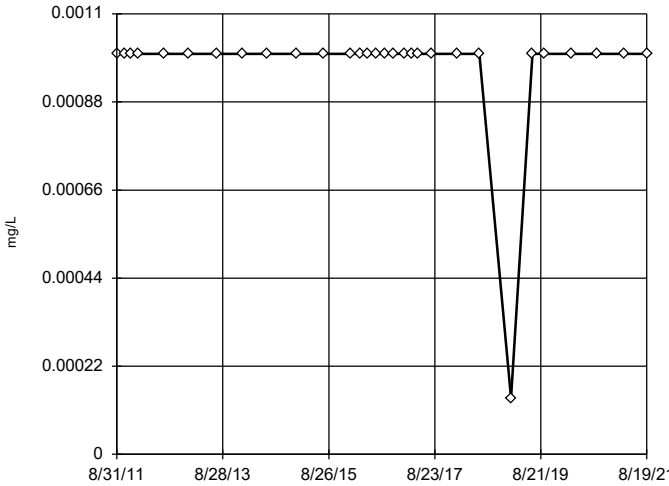
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Lead Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-5



n = 30

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

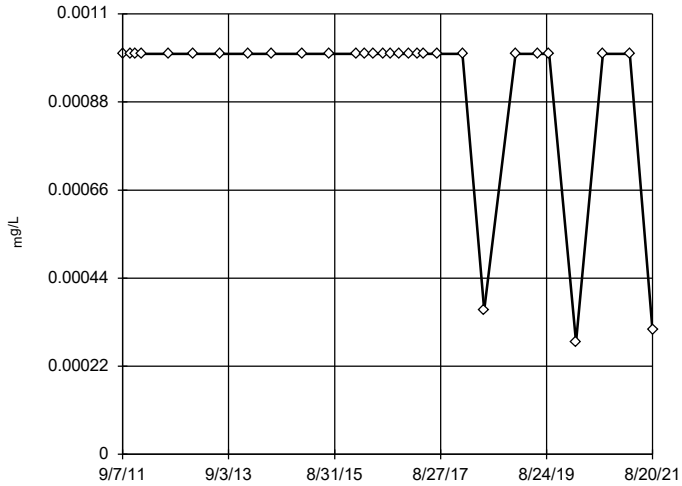
Constituent: Lead Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-8



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

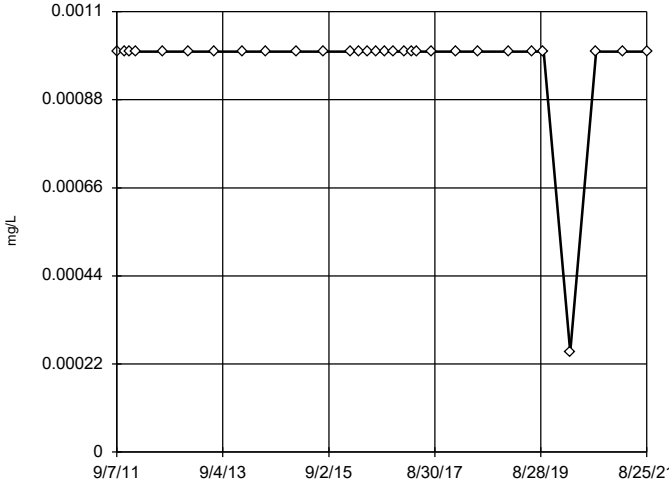
Constituent: Lead Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-9



n = 30

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

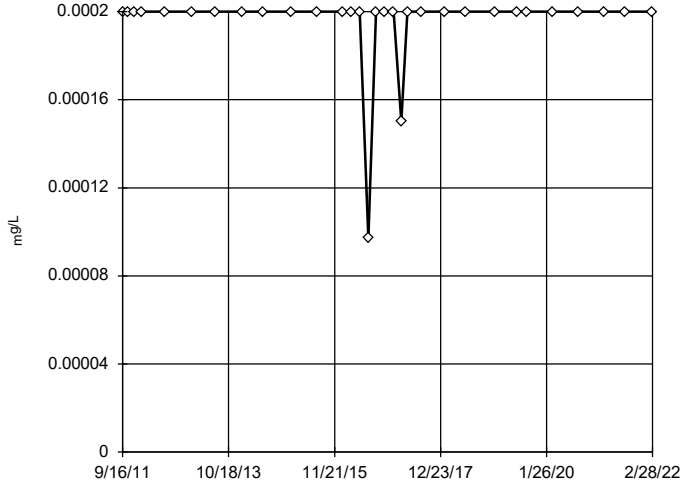
Constituent: Lead Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-1 (bg)



n = 31

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

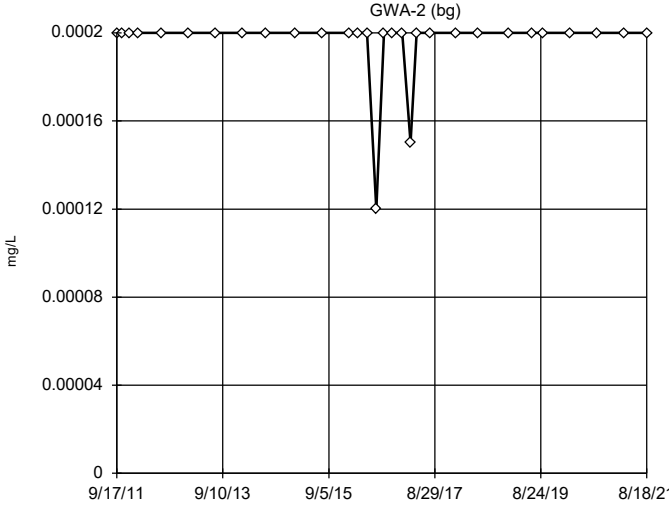
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWA-2 (bg)



n = 30

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

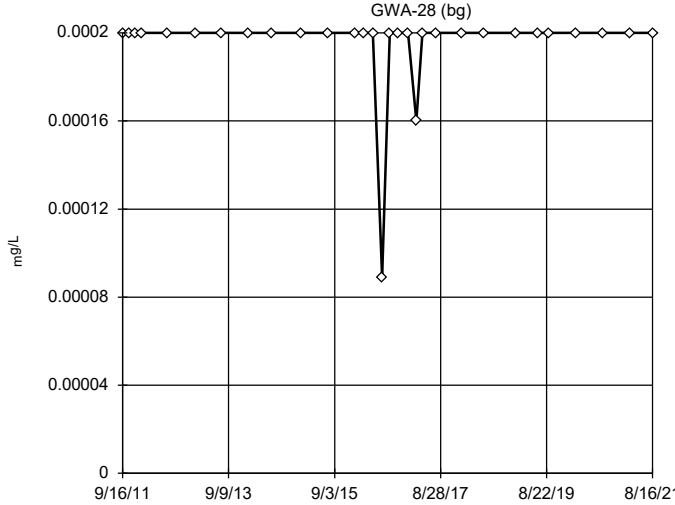
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-28 (bg)



n = 30

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

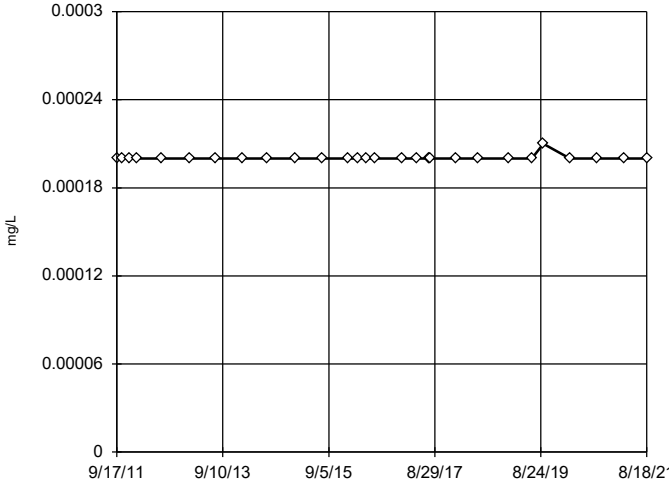
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-29 (bg)



n = 28

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

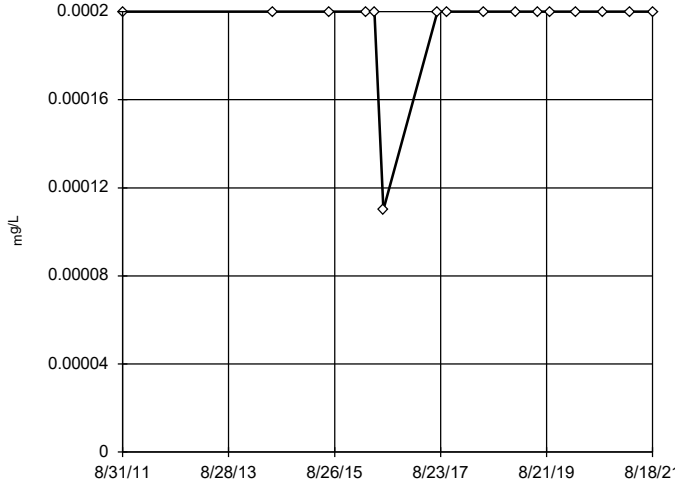
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-3 (bg)



n = 16

No outliers found. Tukey's method selected by user.

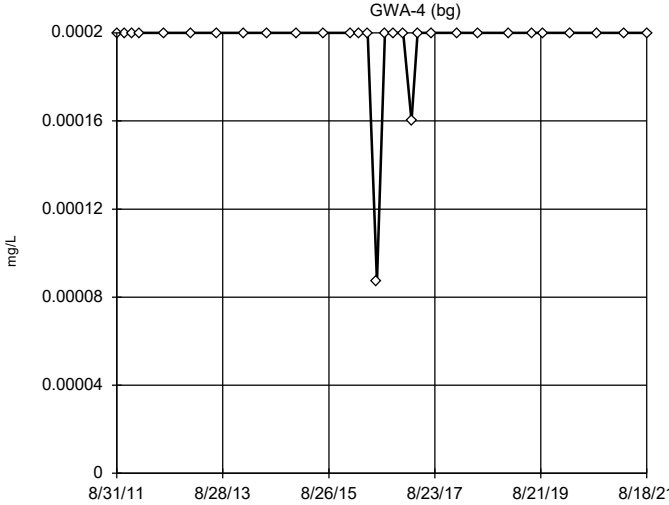
Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWA-4 (bg)



n = 30

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

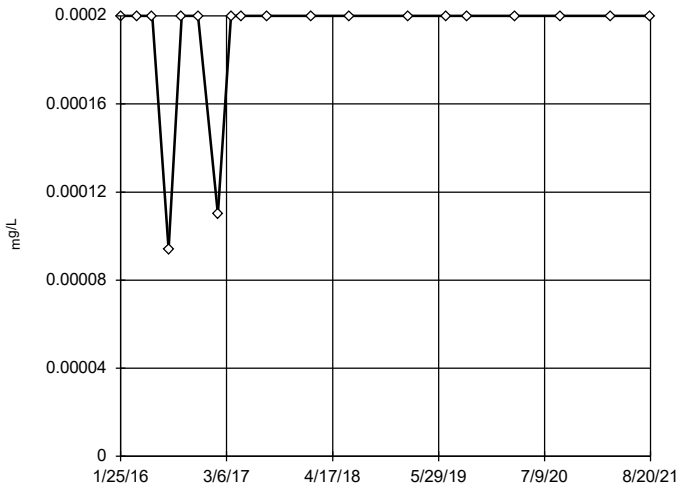
Constituent: Mercury Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-10



n = 19

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

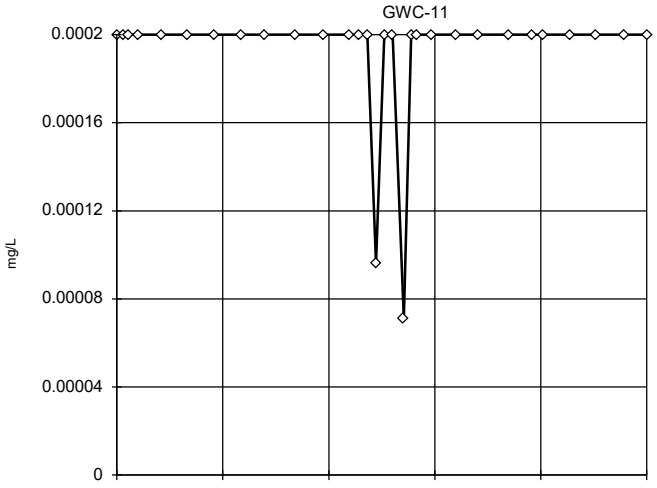
Constituent: Mercury Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-11



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

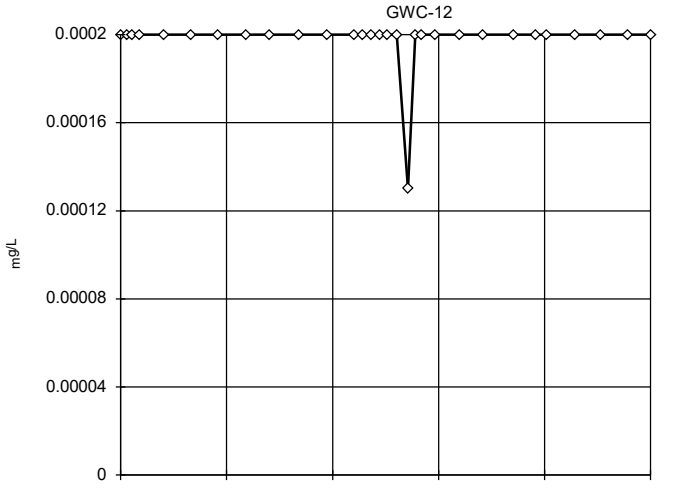
Constituent: Mercury Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-12



n = 30

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

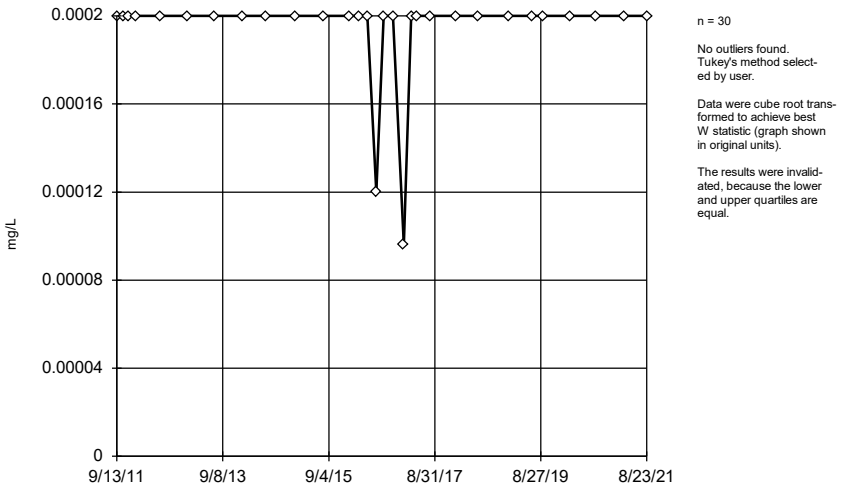
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-13



n = 30

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

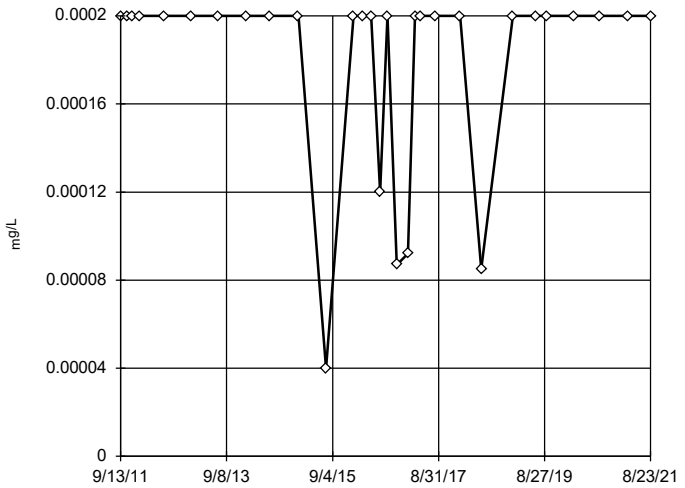
Constituent: Mercury Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-14



n = 30

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

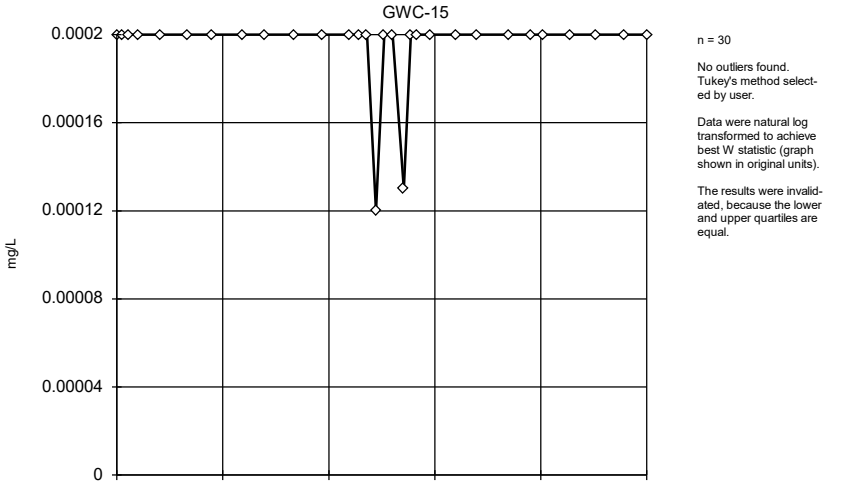
Constituent: Mercury Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-15



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

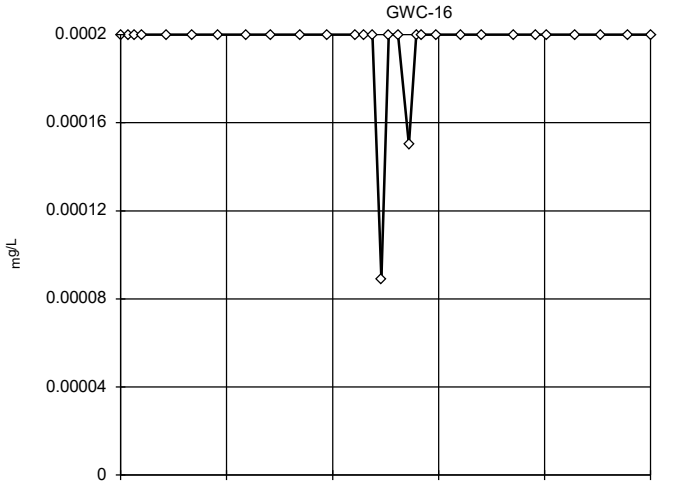
Constituent: Mercury Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-16



n = 30

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

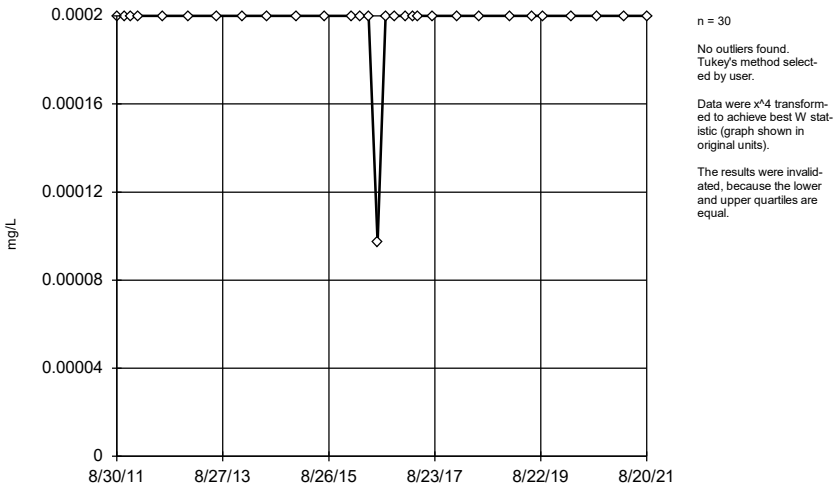
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-17



n = 30

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

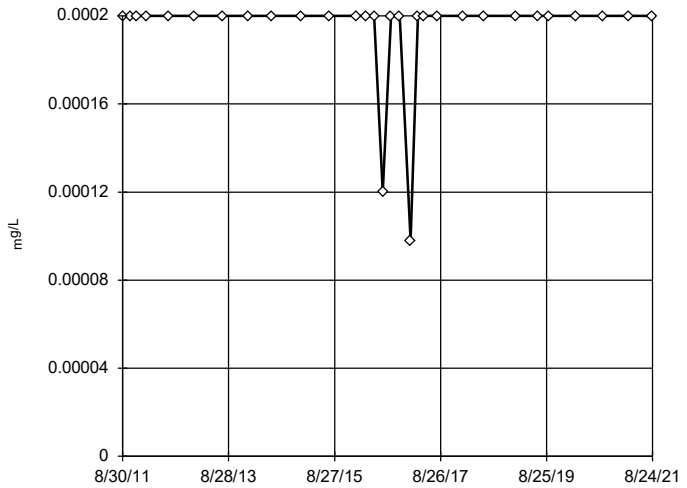
Constituent: Mercury Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-18



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

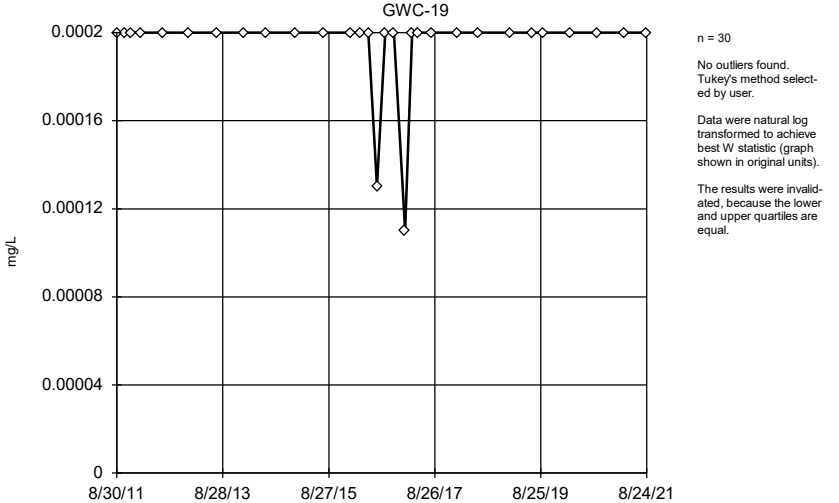
Constituent: Mercury Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-19



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

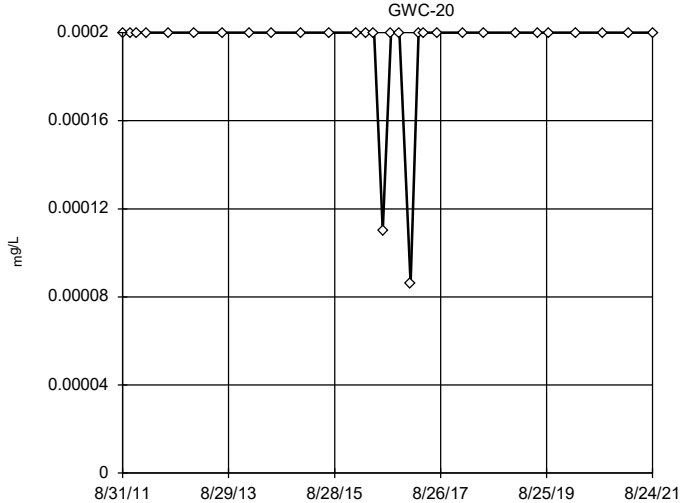
Constituent: Mercury Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-20



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

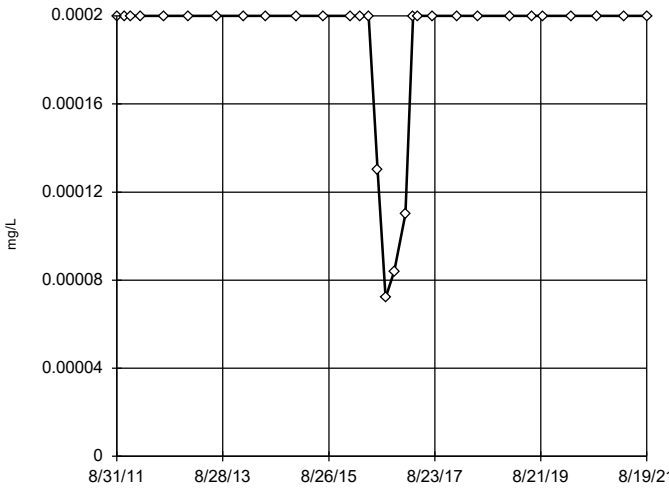
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-21



n = 30

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

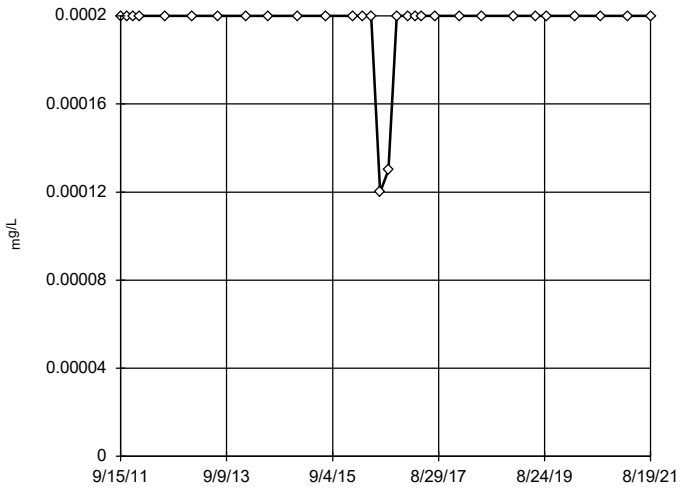
Constituent: Mercury Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-22



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

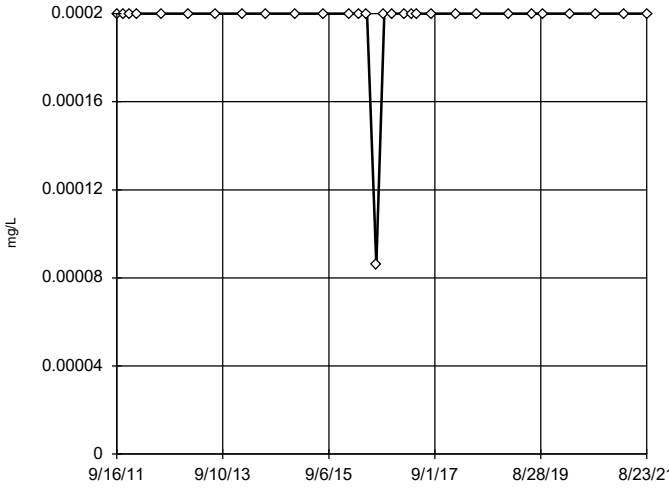
Constituent: Mercury Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-23



n = 30

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

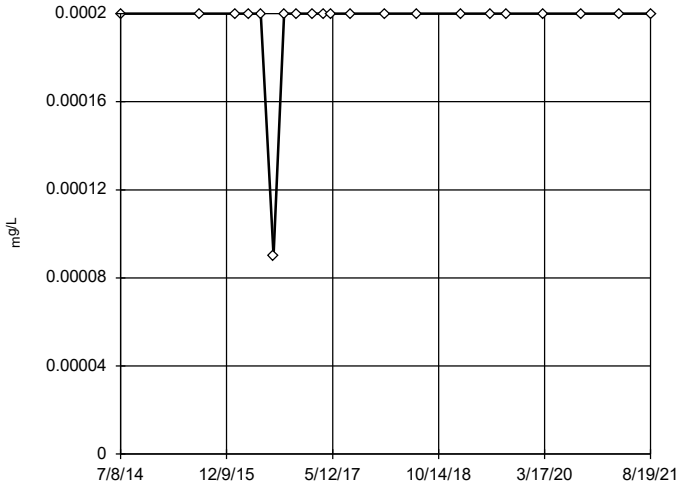
Constituent: Mercury Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-24



n = 21

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

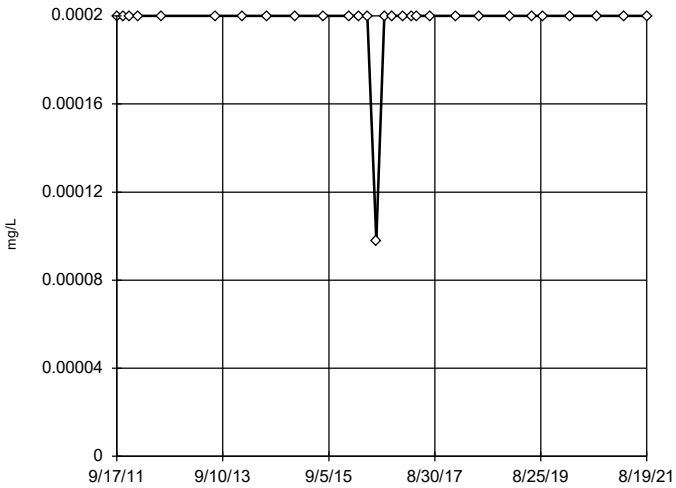
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-25



n = 29

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

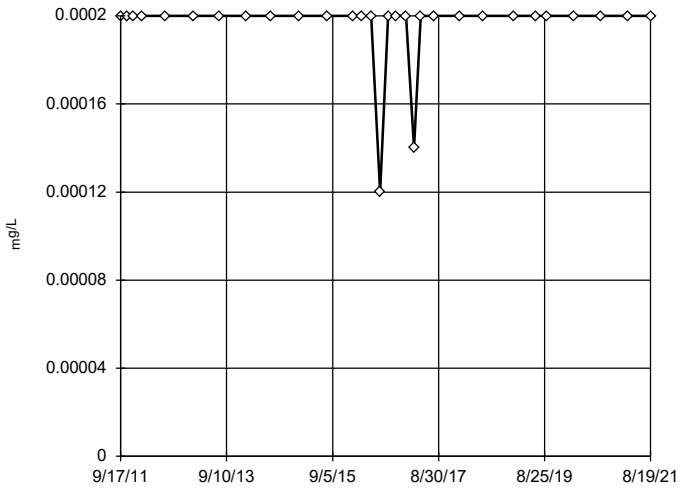
Constituent: Mercury Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-26



n = 30

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

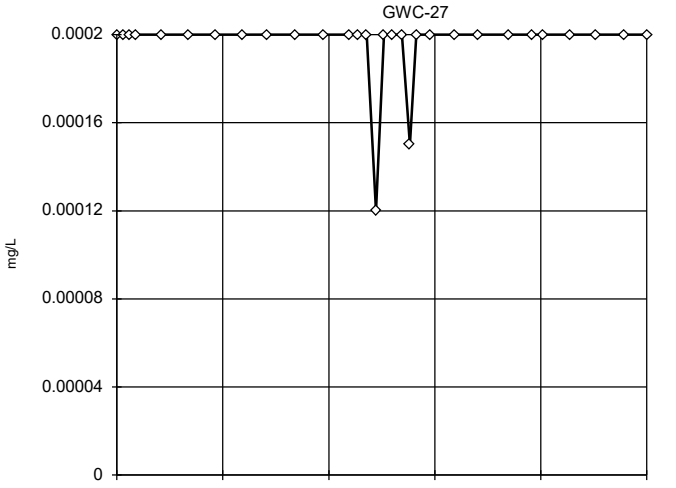
Constituent: Mercury Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-27



n = 30

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

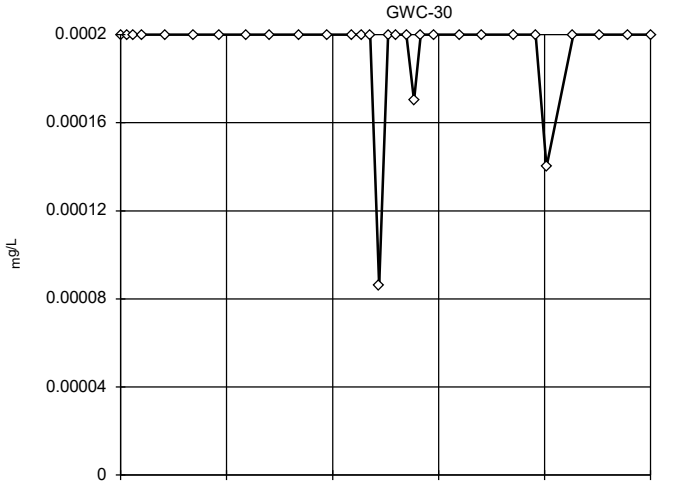
Constituent: Mercury Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-30



n = 30

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

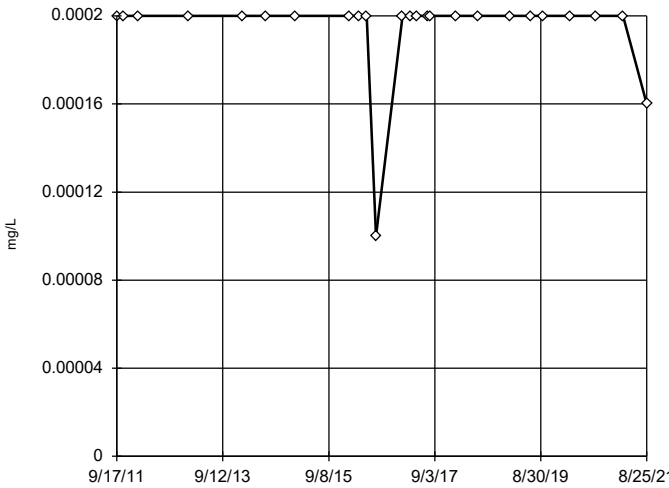
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-31



n = 25

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

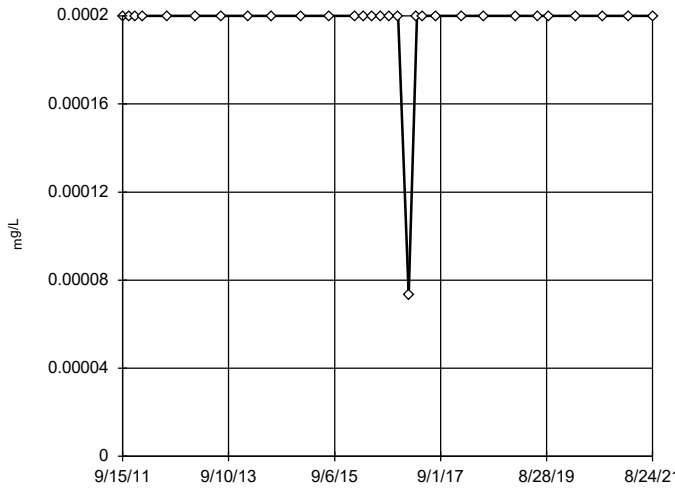
Constituent: Mercury Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-32



n = 30

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

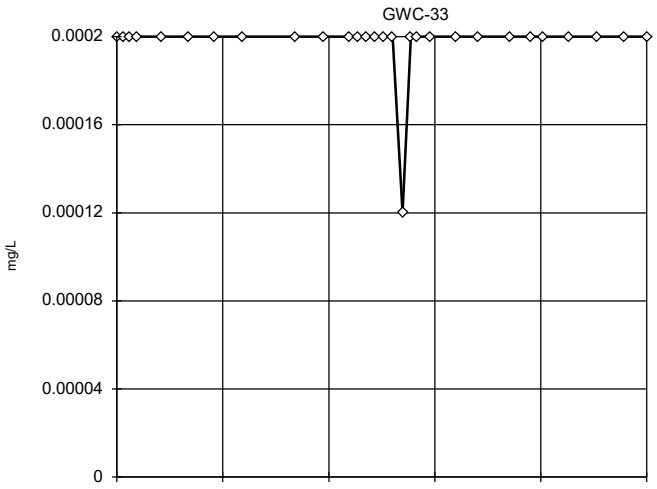
Constituent: Mercury Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-33



n = 29

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

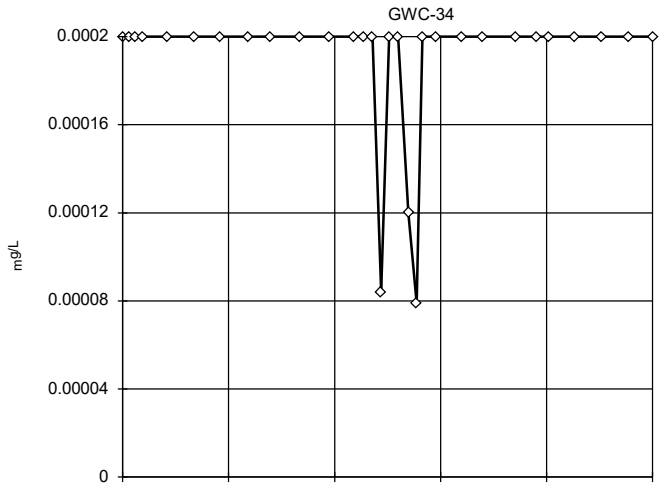
Constituent: Mercury Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-34



n = 30

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

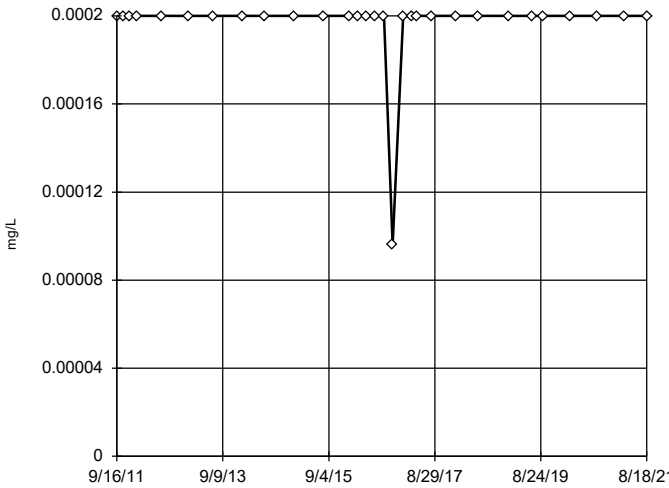
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-35



n = 30

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

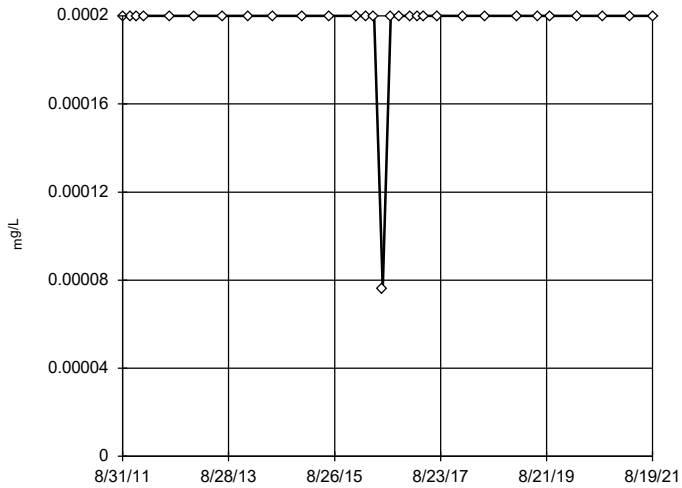
Constituent: Mercury Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-5



n = 30

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

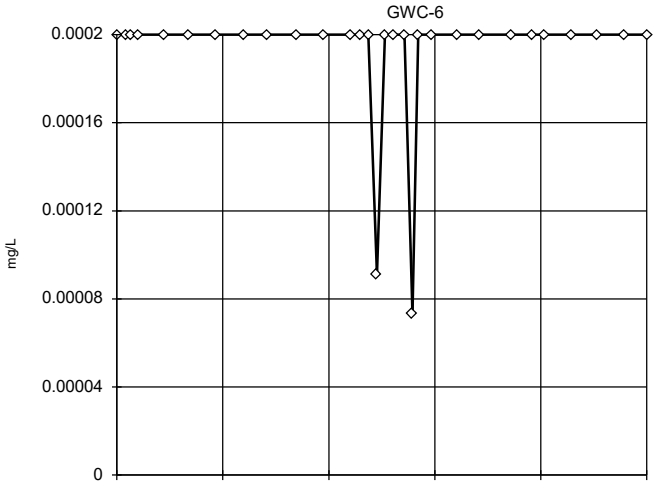
Constituent: Mercury Analysis Run 5/11/2022 10:24 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-6



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

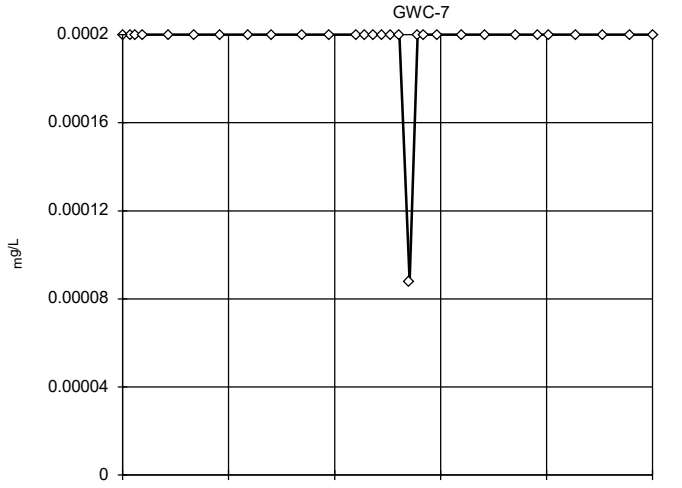
Constituent: Mercury Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-7



n = 30

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

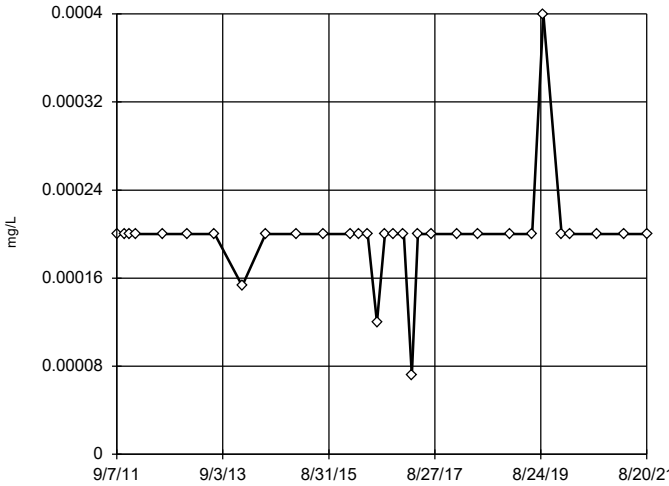
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Mercury Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-8



n = 31

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

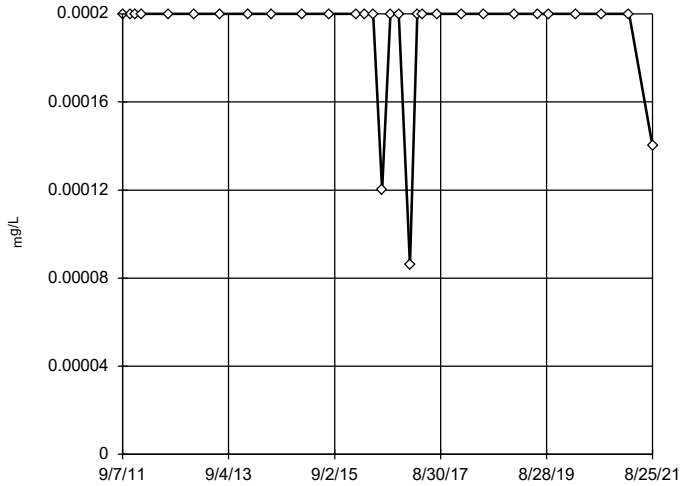
Constituent: Mercury Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-9



n = 30

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

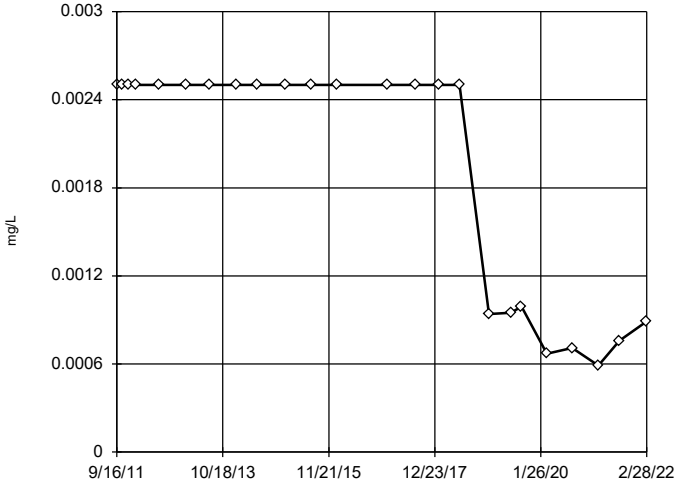
Constituent: Mercury Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-1 (bg)



n = 24

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.04629, low cutoff = 0.00005104, based on IQR multiplier of 3.

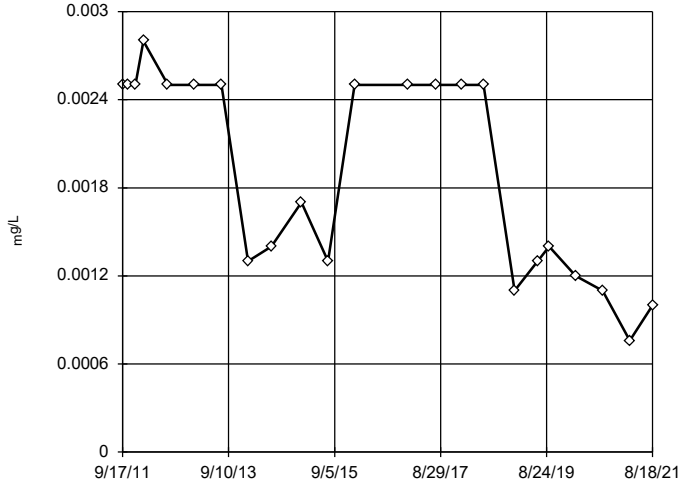
Constituent: Nickel Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-2 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

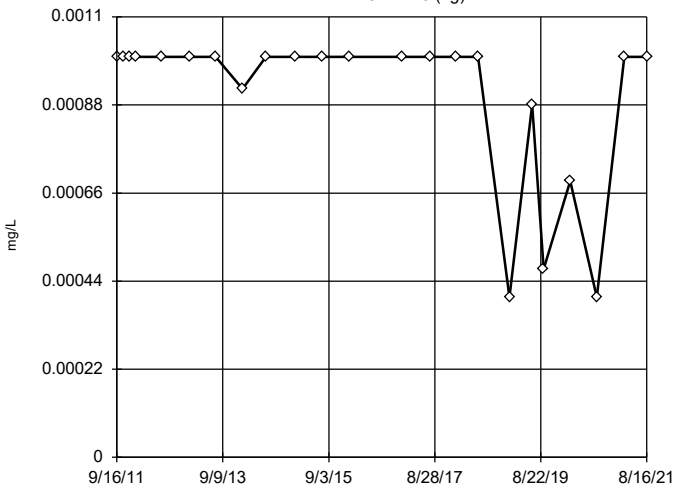
High cutoff = 0.01778, low cutoff = 0.0001828, based on IQR multiplier of 3.

Constituent: Nickel Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWA-28 (bg)



n = 23

No outliers found.
Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

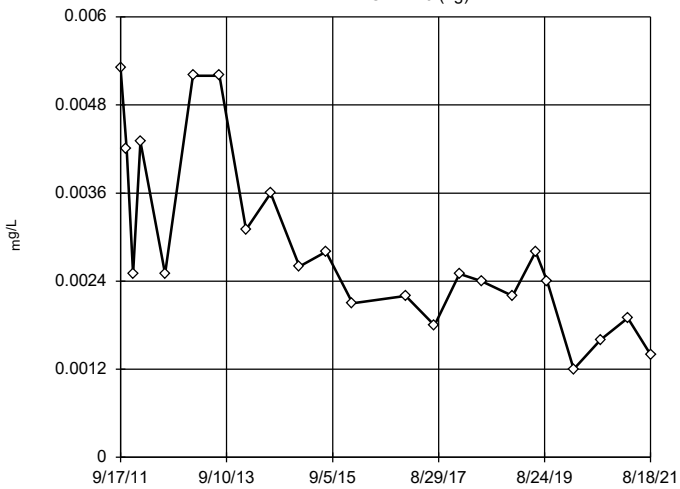
The results were invalidated, because both the lower and upper quartiles represent reporting limits.

Constituent: Nickel Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-29 (bg)



n = 23

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

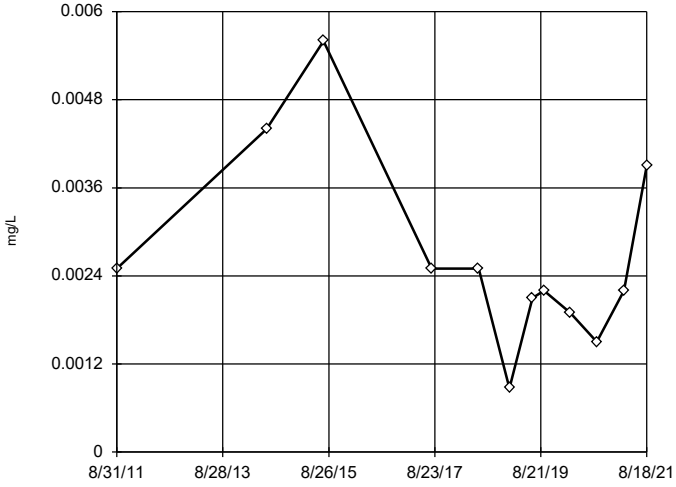
High cutoff = 0.01814, low cutoff = 0.0004168, based on IQR multiplier of 3.

Constituent: Nickel Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-3 (bg)



n = 12

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

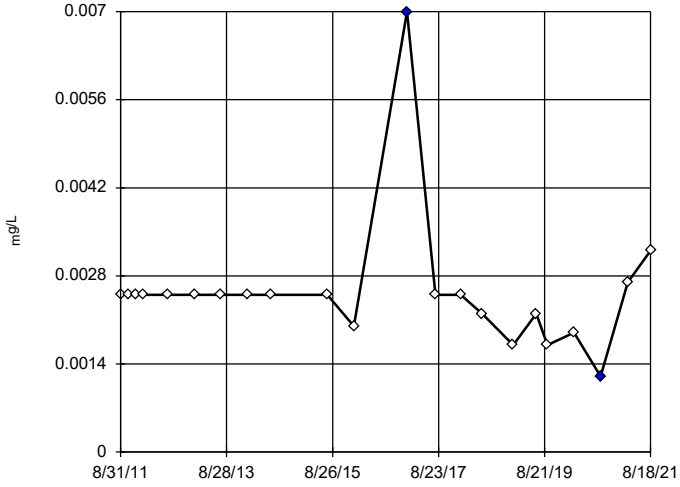
High cutoff = 0.01193, low cutoff = 0.0005229, based on IQR multiplier of 3.

Constituent: Nickel Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-4 (bg)



n = 22

Outliers are drawn as solid.
Tukey's method selected by user.

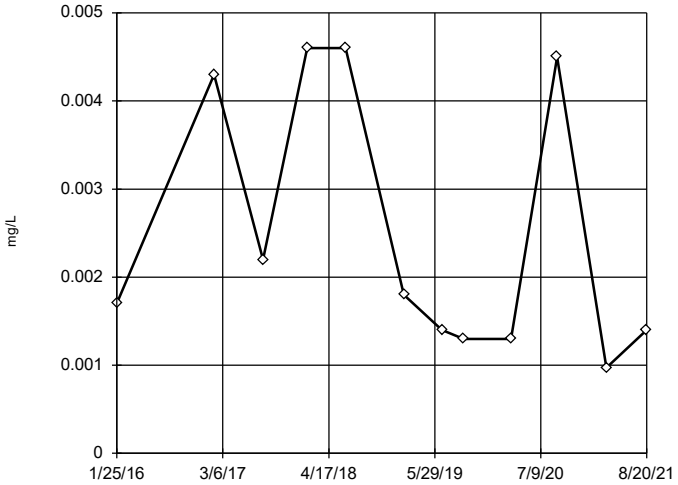
Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.004232, low cutoff = 0.001239, based on IQR multiplier of 3.

Constituent: Nickel Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-10



n = 12

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.1525, low cutoff = 0.00003892, based on IQR multiplier of 3.

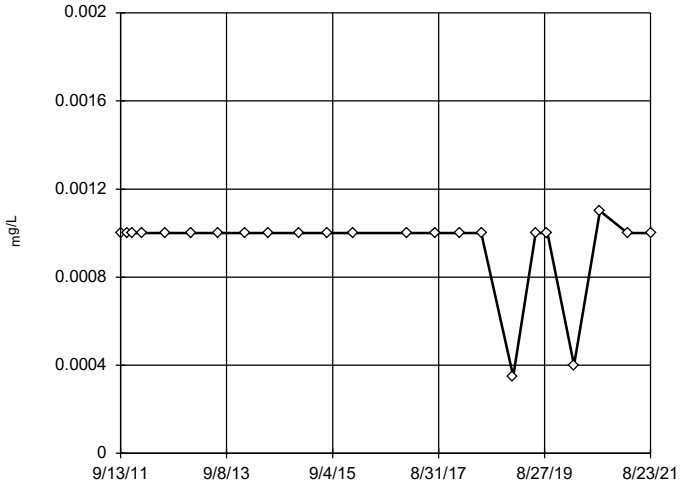
Constituent: Nickel Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-11



n = 23

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

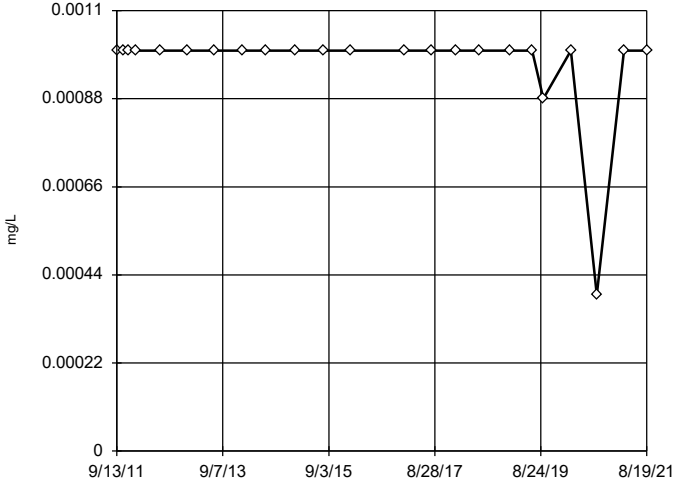
Constituent: Nickel Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-12



n = 23

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

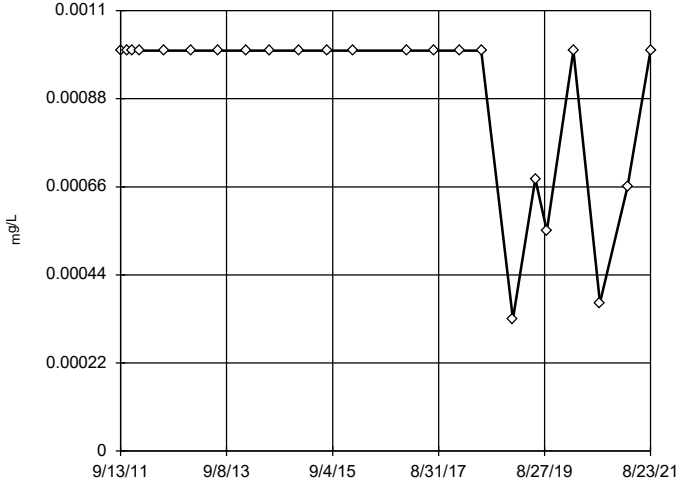
Constituent: Nickel Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-13



n = 23

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

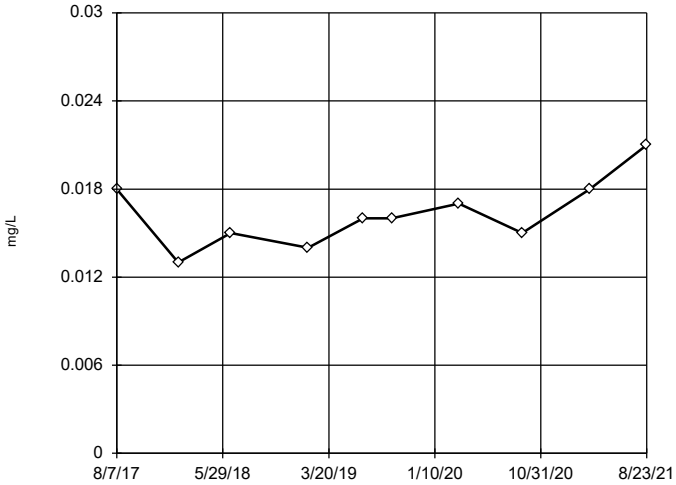
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Nickel Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-14



n = 10

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.0345, low cutoff = 0.007562, based on IQR multiplier of 3.

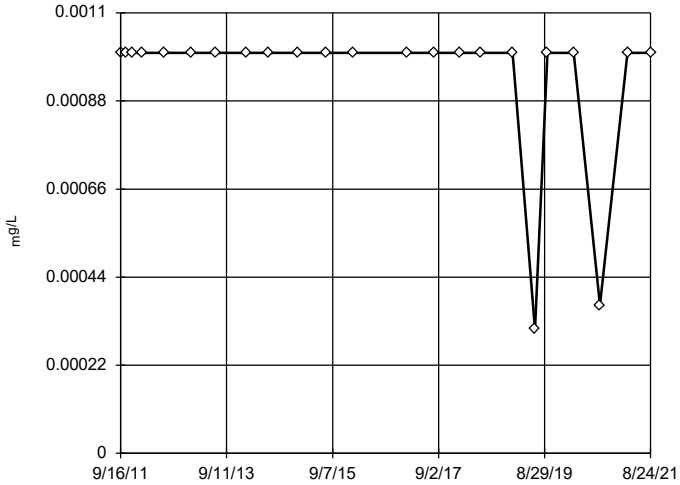
Constituent: Nickel Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-15



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

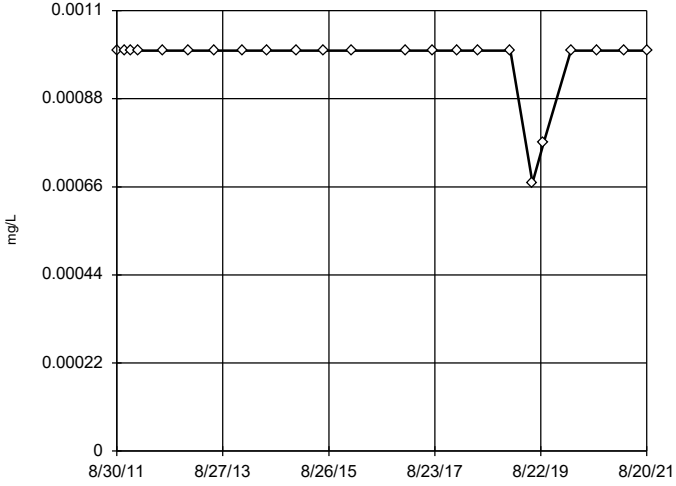
Constituent: Nickel Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-16



n = 23

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

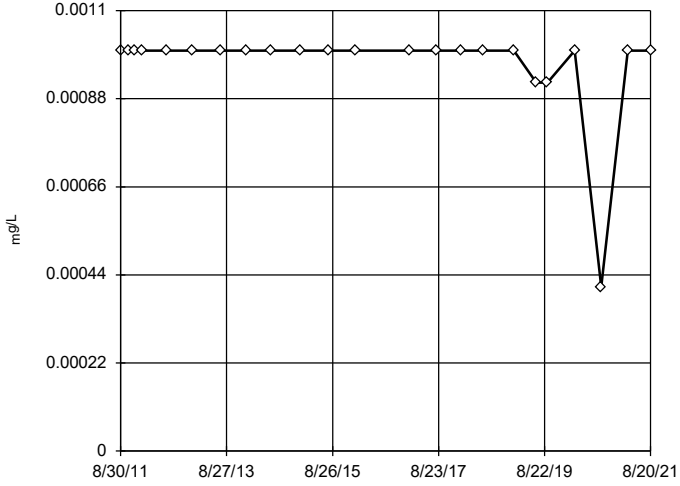
Constituent: Nickel Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-17



n = 23

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

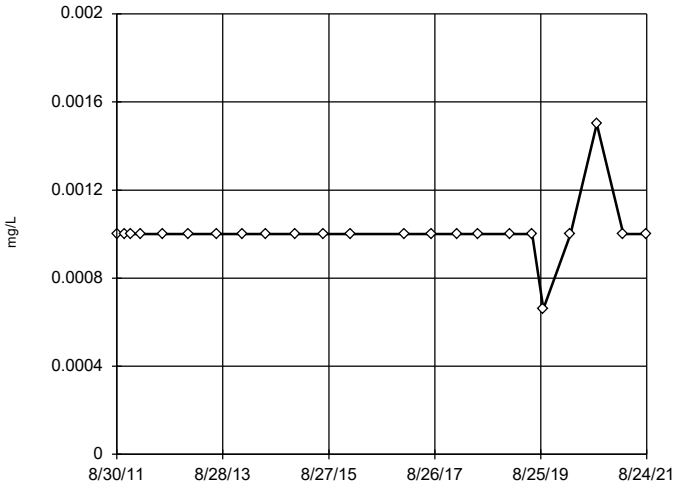
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Nickel Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-18



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

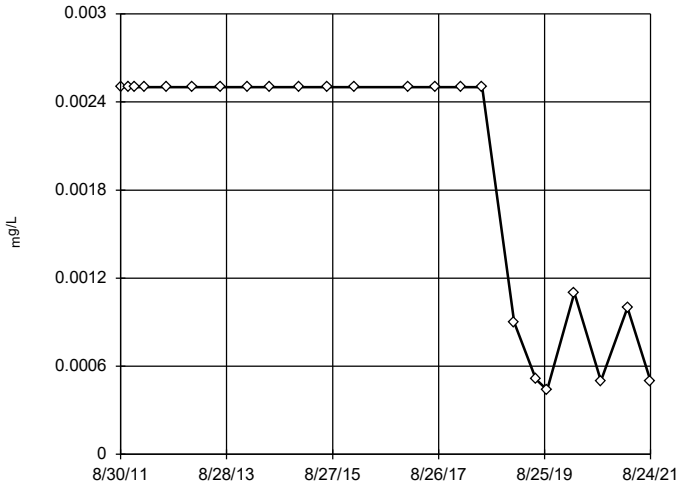
Constituent: Nickel Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-19



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.03906, low cutoff = 0.000064, based on IQR multiplier of 3.

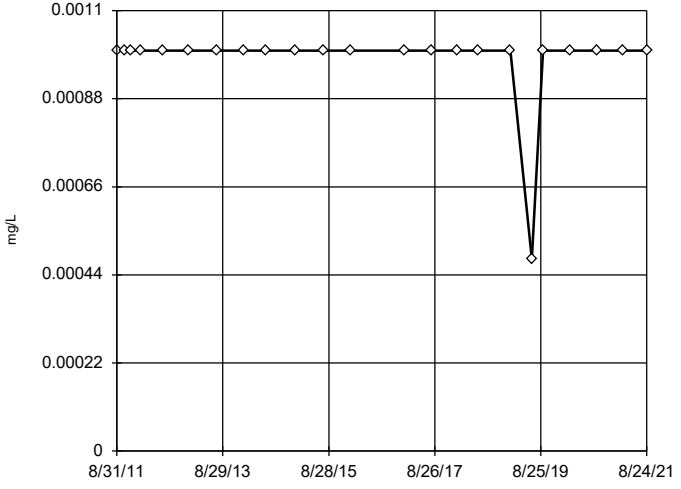
Constituent: Nickel Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-20



n = 23

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

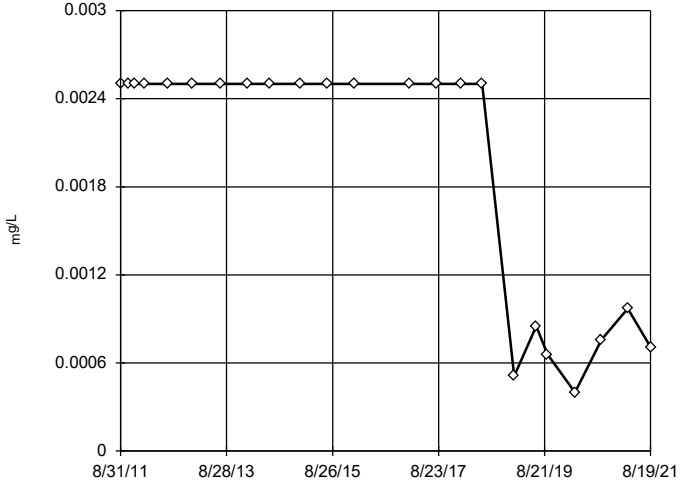
Constituent: Nickel Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-21



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

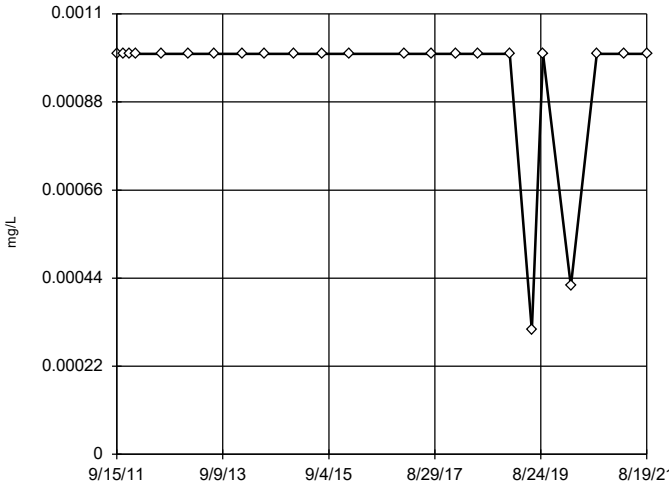
High cutoff = 0.06361, low cutoff = 0.00003341, based on IQR multiplier of 3.

Constituent: Nickel Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-22



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

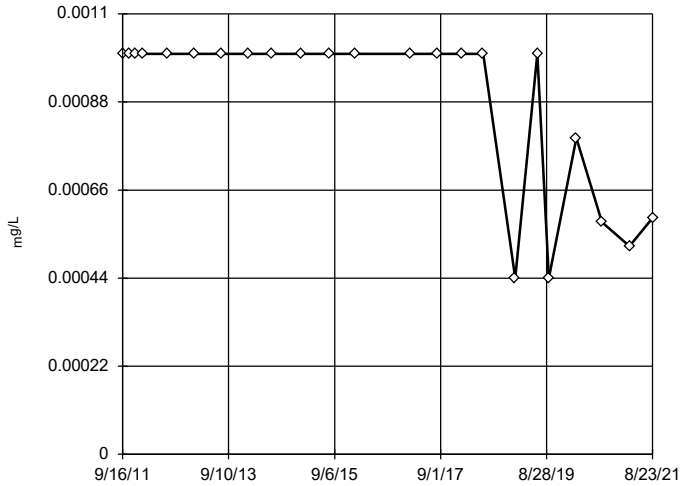
Constituent: Nickel Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-23



n = 23

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.001778, low cutoff = 0.0003083, based on IQR multiplier of 3.

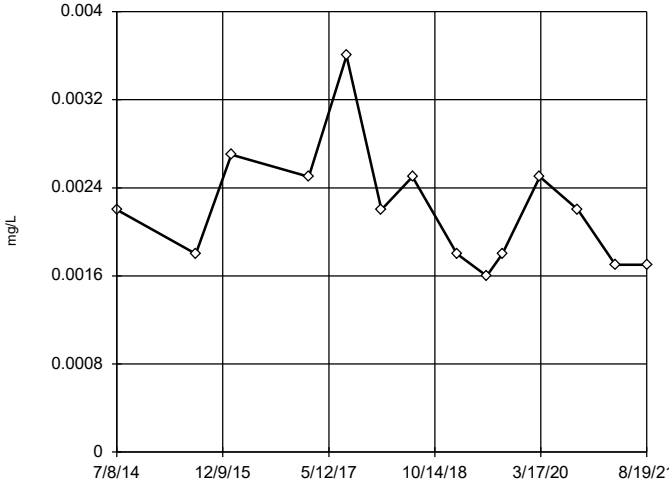
Constituent: Nickel Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-24



n = 14

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.007298, low cutoff = 0.0005993, based on IQR multiplier of 3.

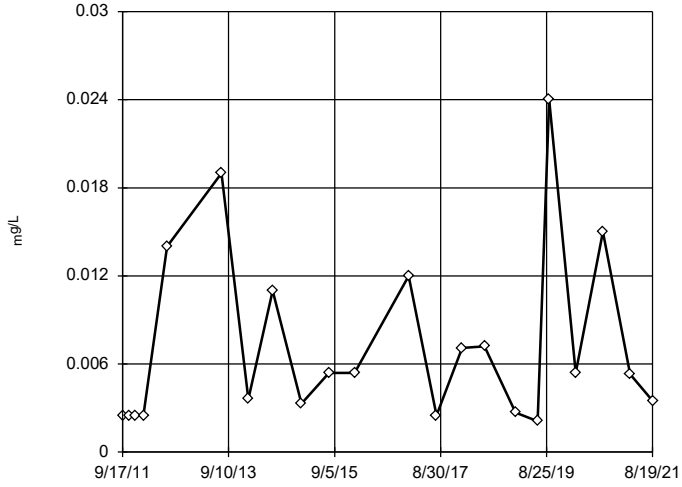
Constituent: Nickel Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-25



n = 22

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

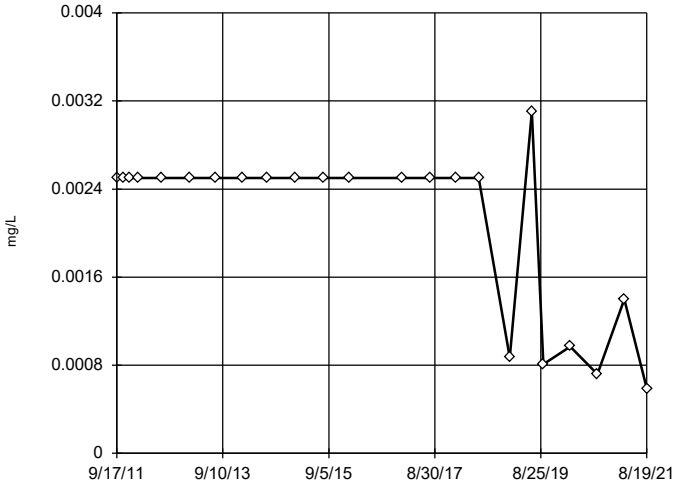
High cutoff = 1.115, low cutoff = 0.00002576, based on IQR multiplier of 3.

Constituent: Nickel Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-26



n = 23

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.003786, low cutoff = -0.003299, based on IQR multiplier of 3.

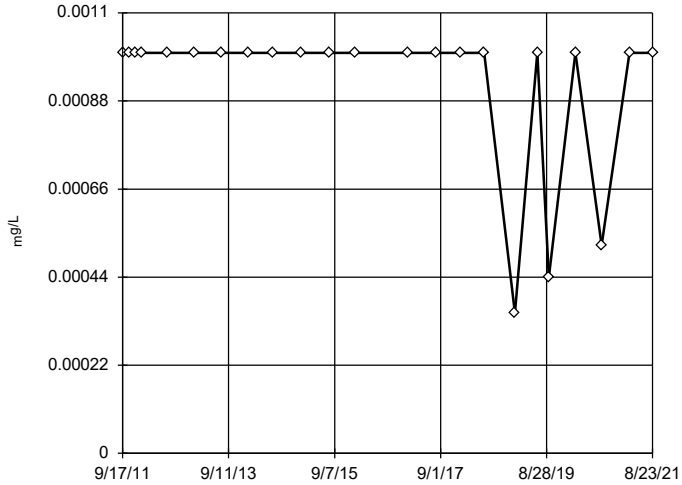
Constituent: Nickel Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-27



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

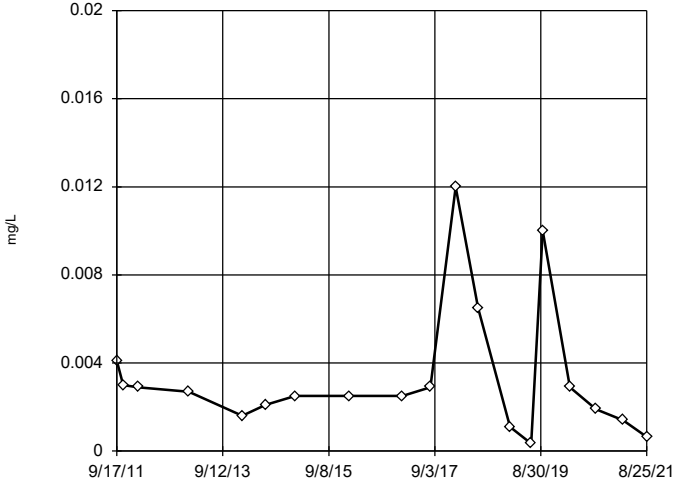
Constituent: Nickel Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-31



n = 19

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.01978, low cutoff = 0.0002427, based on IQR multiplier of 3.

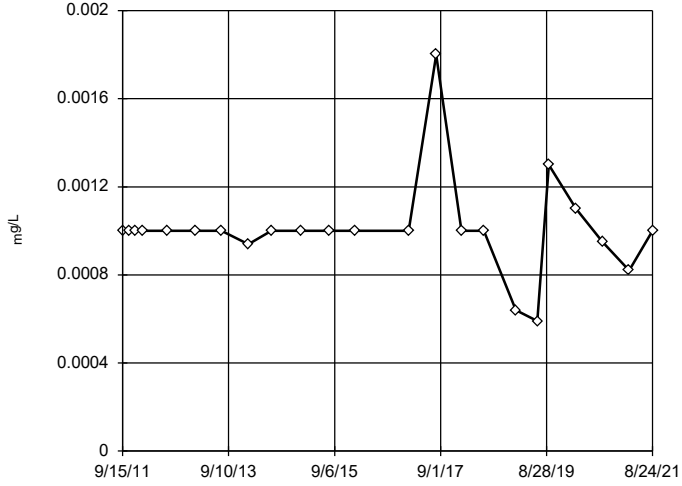
Constituent: Nickel Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-32



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

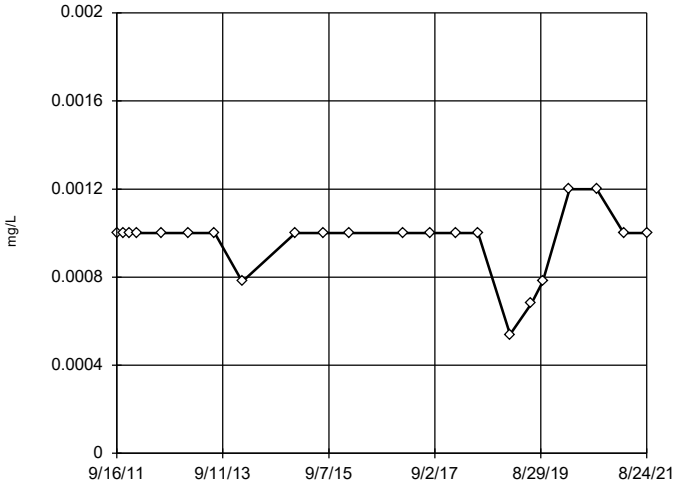
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Nickel Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-33



n = 22

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

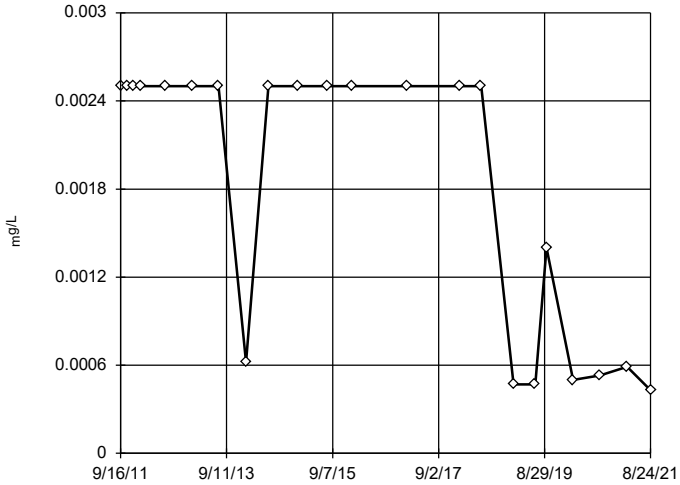
Constituent: Nickel Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-34



n = 22

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.2234, low cutoff = 0.000006258, based on IQR multiplier of 3.

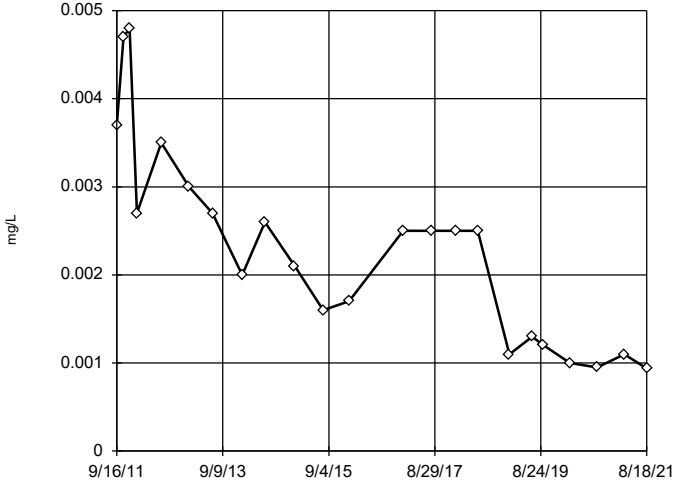
Constituent: Nickel Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-35



n = 23

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.01351, low cutoff = 3.9e-7, based on IQR multiplier of 3.

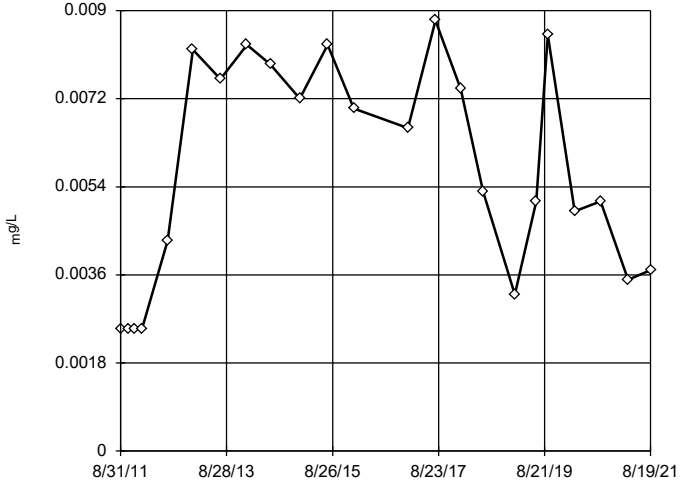
Constituent: Nickel Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-5



n = 23

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

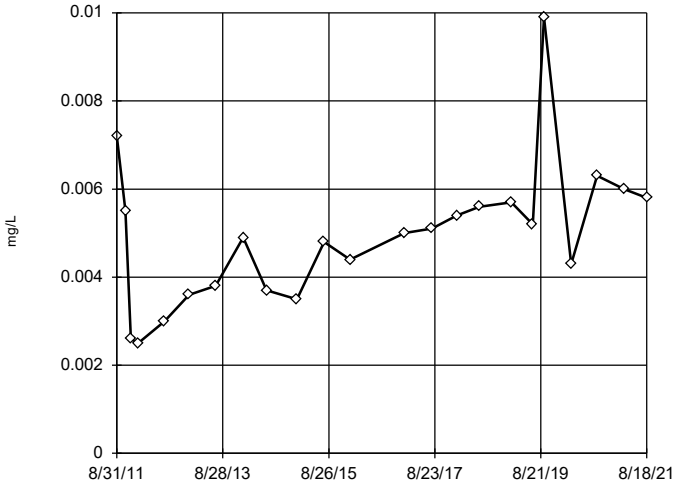
High cutoff = 0.0211, low cutoff = -0.0097, based on IQR multiplier of 3.

Constituent: Nickel Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-6



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.02084, low cutoff = 0.001012, based on IQR multiplier of 3.

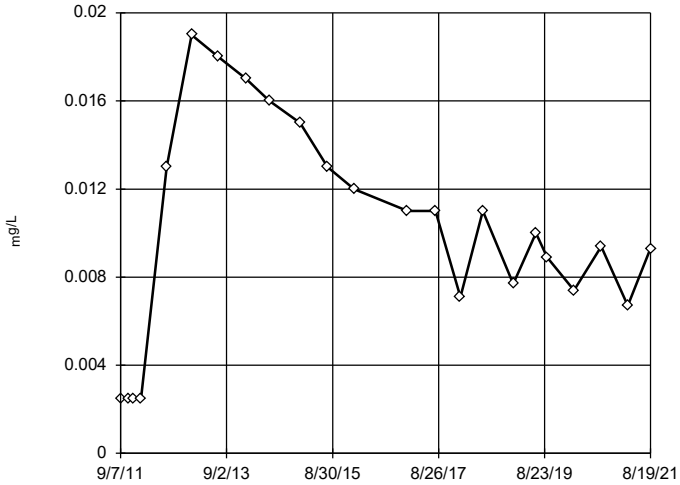
Constituent: Nickel Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-7



n = 23

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 0.0307, low cutoff = -0.0106, based on IQR multiplier of 3.

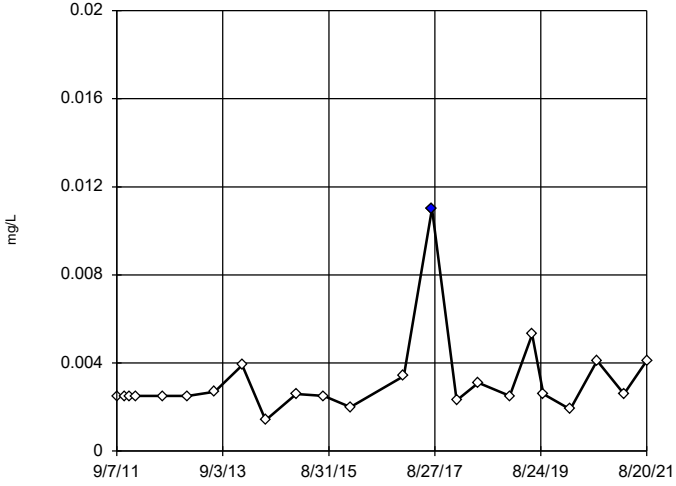
Constituent: Nickel Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-8



n = 23

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.008553, low cutoff = 0.0009939, based on IQR multiplier of 3.

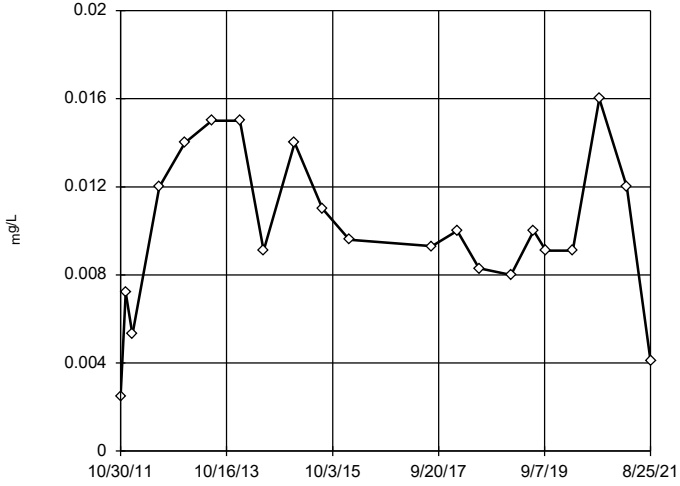
Constituent: Nickel Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-9



n = 21

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

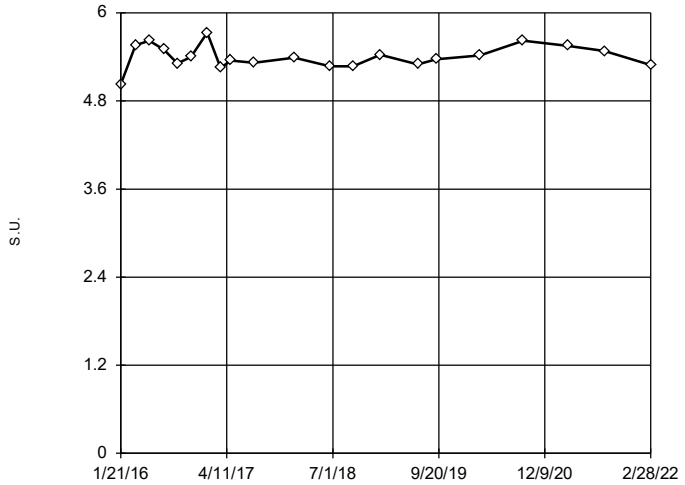
High cutoff = 0.02755, low cutoff = -0.0064, based on IQR multiplier of 3.

Constituent: Nickel Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWA-1 (bg)



n = 21

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

High cutoff = 6.165, low cutoff = 4.535, based on IQR multiplier of 3.

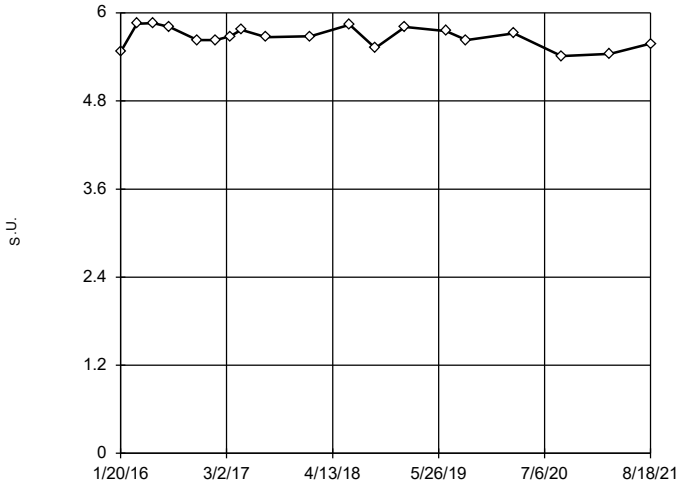
Constituent: pH, Field Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-2 (bg)



n = 19

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

High cutoff = 6.308, low cutoff = 4.209, based on IQR multiplier of 3.

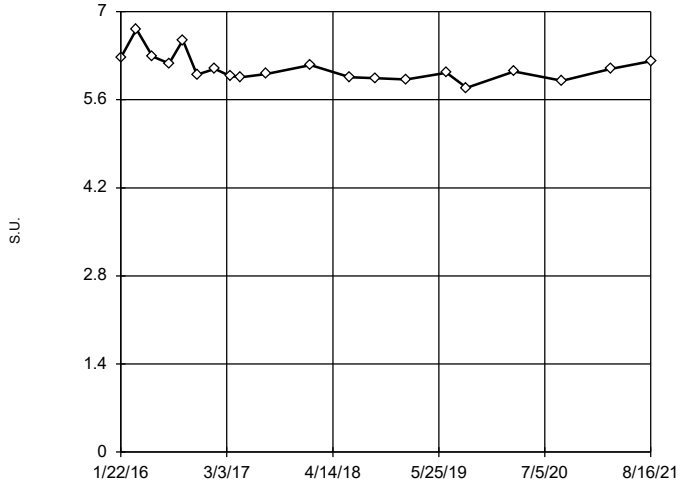
Constituent: pH, Field Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-28 (bg)



n = 20

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 6.953, low cutoff = 5.309, based on IQR multiplier of 3.

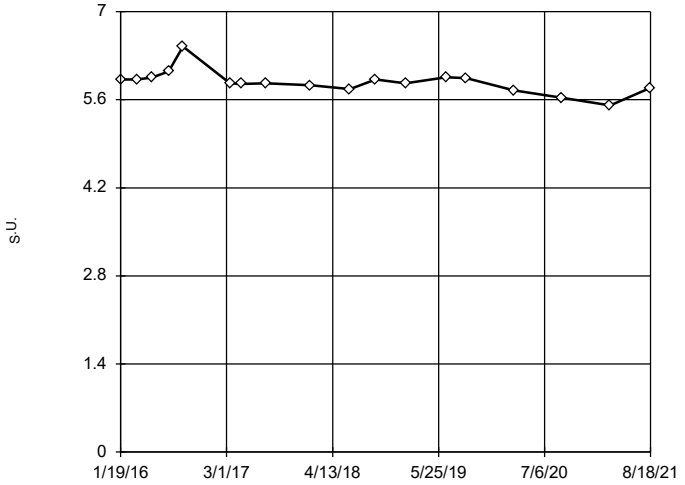
Constituent: pH, Field Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-29 (bg)



n = 18

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

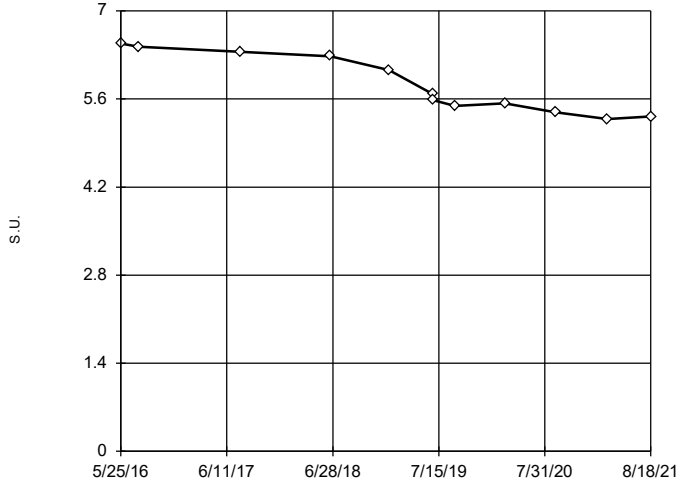
High cutoff = 6.469, low cutoff = 5.312, based on IQR multiplier of 3.

Constituent: pH, Field Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWA-3 (bg)



n = 12

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 9.879, low cutoff = 3.477, based on IQR multiplier of 3.

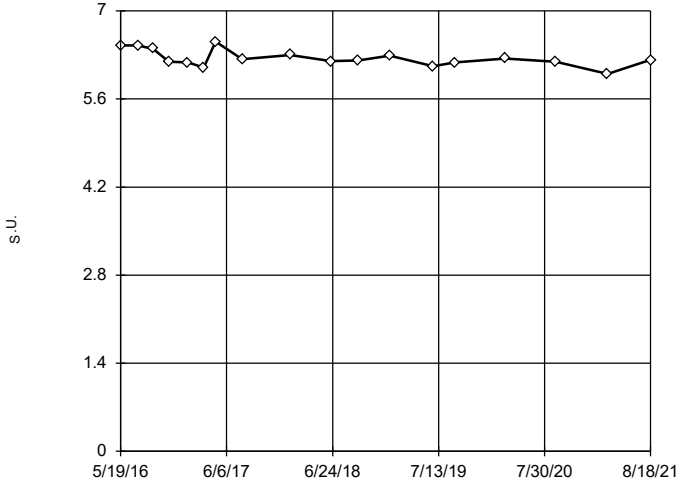
Constituent: pH, Field Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-4 (bg)



n = 18

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 6.88, low cutoff = 5.702, based on IQR multiplier of 3.

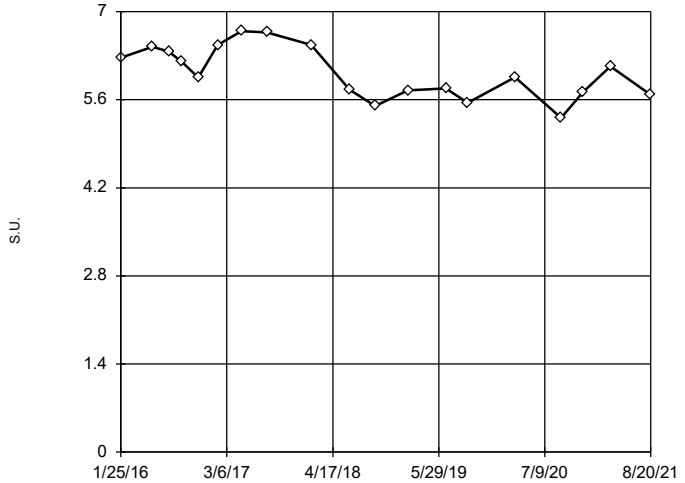
Constituent: pH, Field Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-10



n = 19

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 9.191, low cutoff = 4.008, based on IQR multiplier of 3.

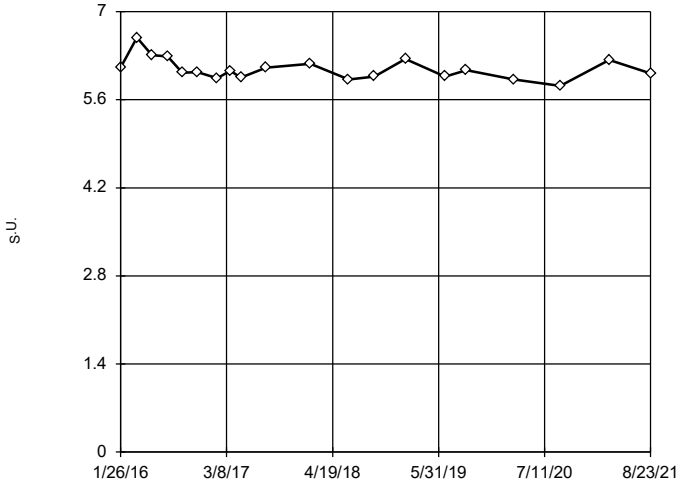
Constituent: pH, Field Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-11



n = 20

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

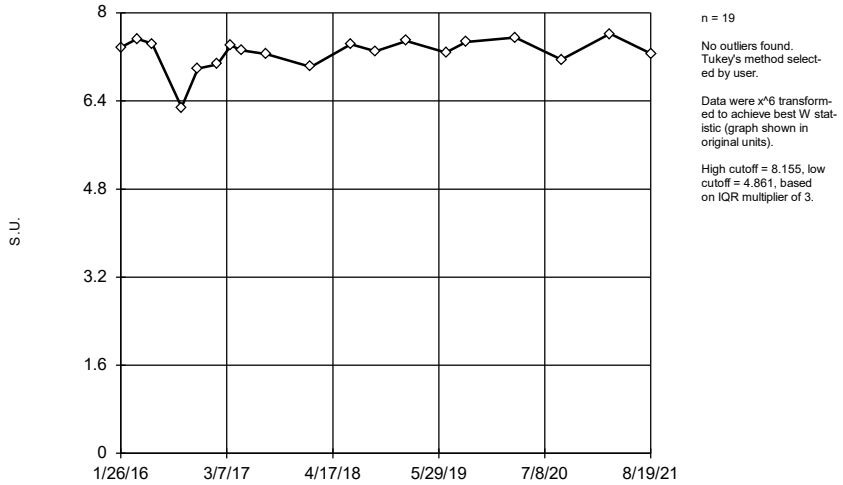
High cutoff = 6.979, low cutoff = 5.294, based on IQR multiplier of 3.

Constituent: pH, Field Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-12



n = 19

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

High cutoff = 8.155, low cutoff = 4.861, based on IQR multiplier of 3.

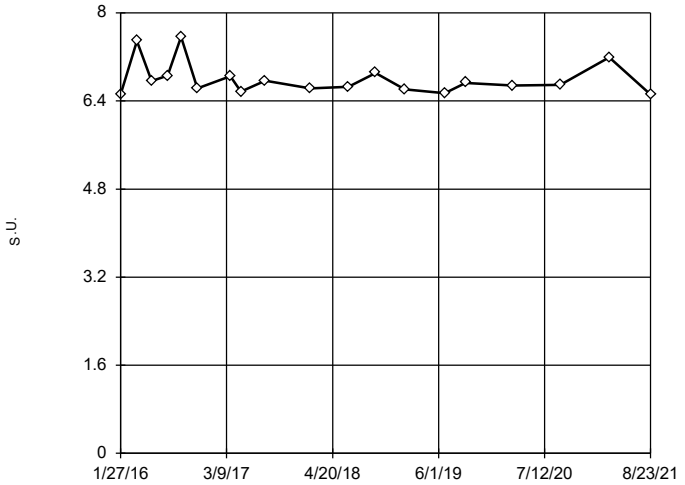
Constituent: pH, Field Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-13



n = 19

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 7.665, low cutoff = 5.915, based on IQR multiplier of 3.

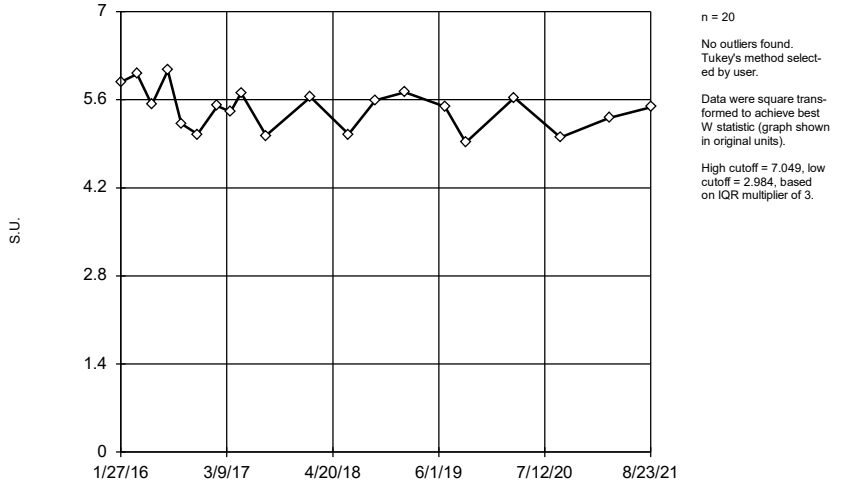
Constituent: pH, Field Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-14



n = 20

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

High cutoff = 7.049, low cutoff = 2.984, based on IQR multiplier of 3.

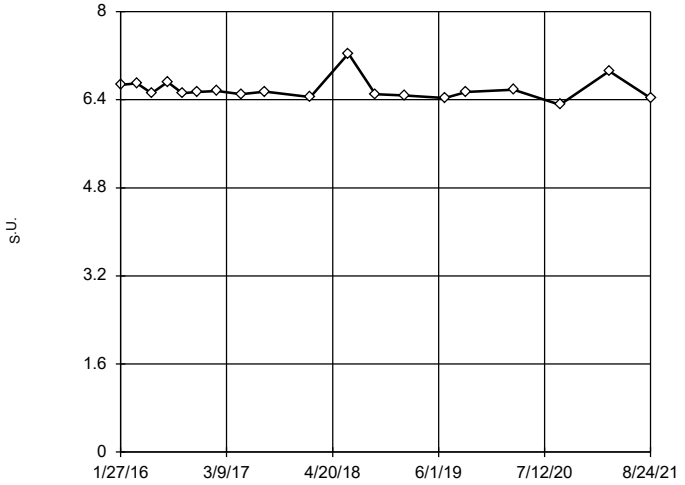
Constituent: pH, Field Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-15



n = 19

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

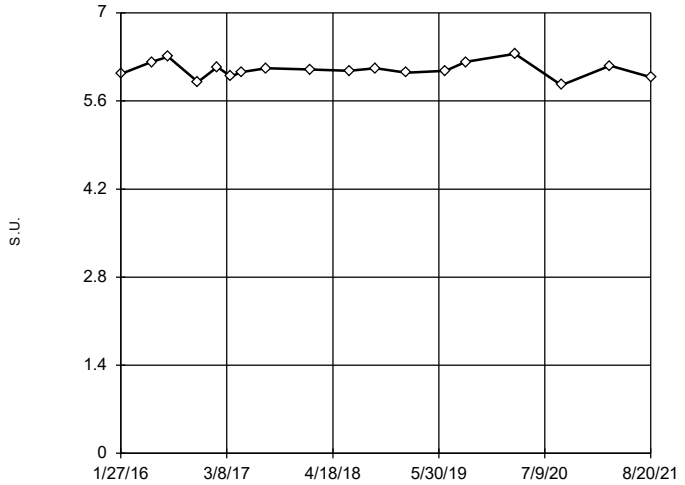
High cutoff = 7.274, low cutoff = 5.942, based on IQR multiplier of 3.

Constituent: pH, Field Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-16



n = 18

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 6.763, low cutoff = 5.501, based on IQR multiplier of 3.

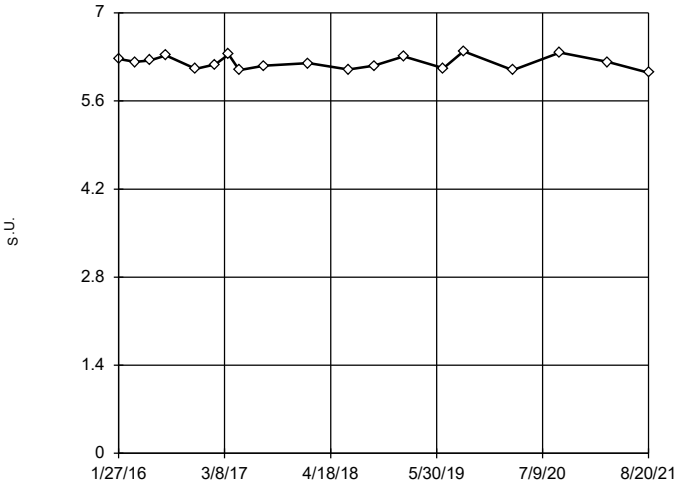
Constituent: pH, Field Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-17



n = 19

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 6.95, low cutoff = 5.547, based on IQR multiplier of 3.

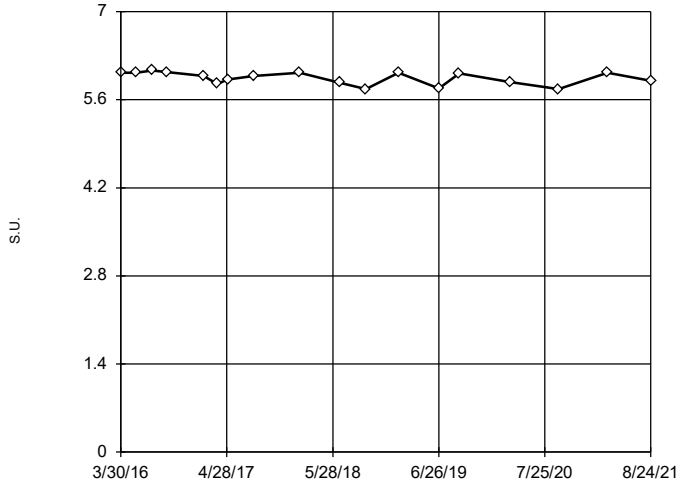
Constituent: pH, Field Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-18



n = 18

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

High cutoff = 6.432, low cutoff = 5.108, based on IQR multiplier of 3.

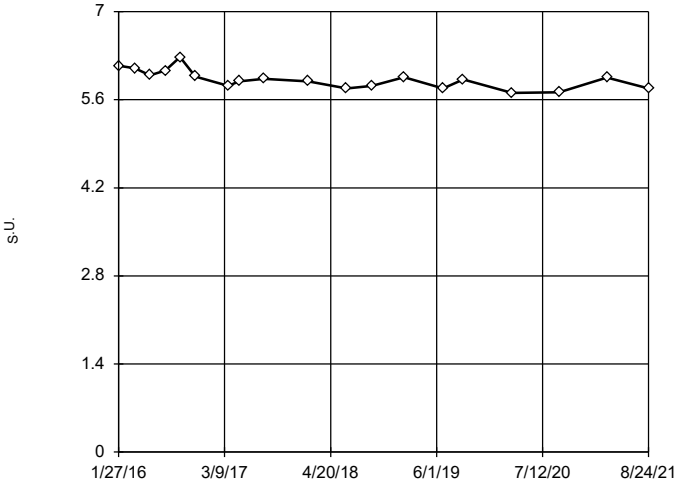
Constituent: pH, Field Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-19



n = 19

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

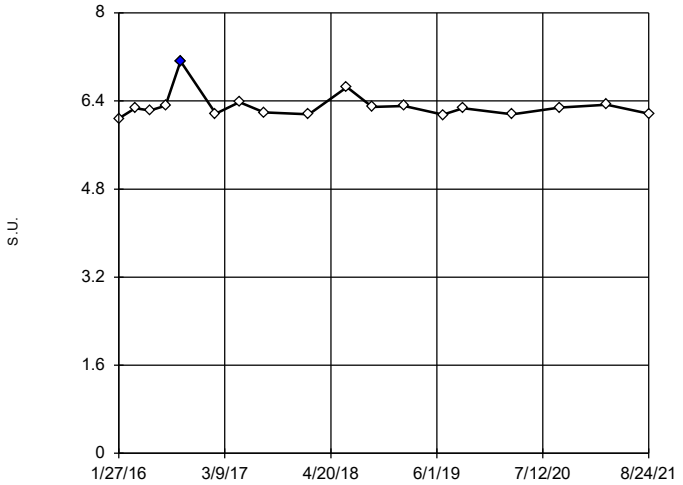
High cutoff = 6.667, low cutoff = 5.193, based on IQR multiplier of 3.

Constituent: pH, Field Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-20



n = 18

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 6.818, low cutoff = 5.716, based on IQR multiplier of 3.

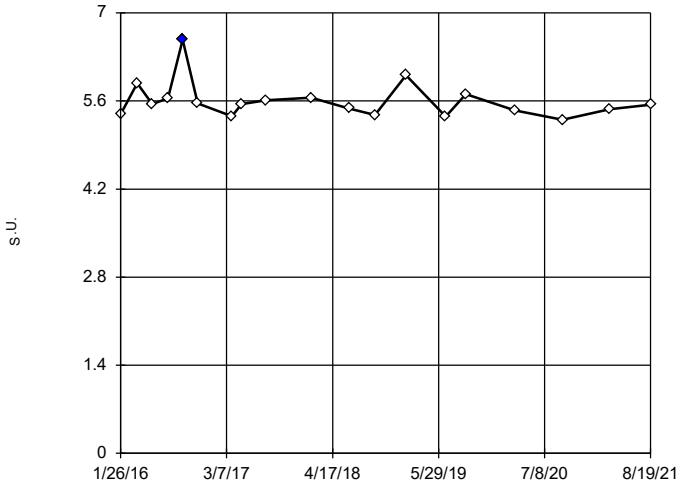
Constituent: pH, Field Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-21



n = 19

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 6.508, low cutoff = 4.68, based on IQR multiplier of 3.

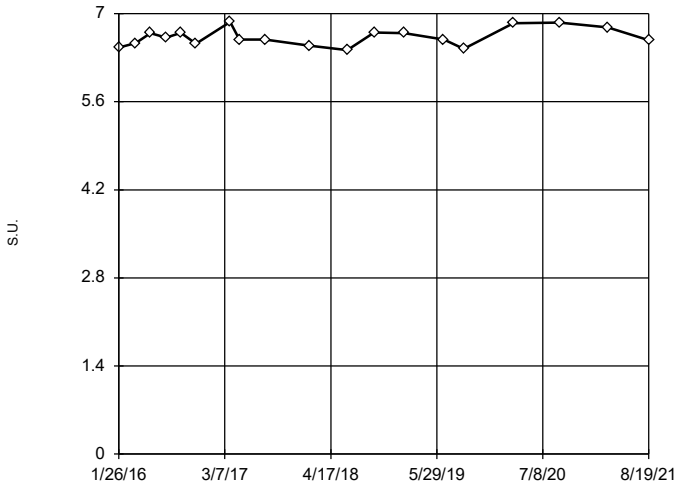
Constituent: pH, Field Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-22



n = 19

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 7.27, low cutoff = 6.008, based on IQR multiplier of 3.

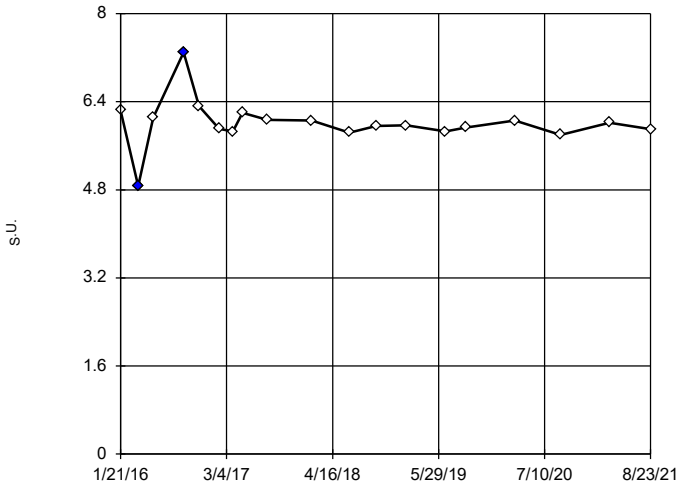
Constituent: pH, Field Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-23



n = 19

Outliers are drawn as solid.
Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

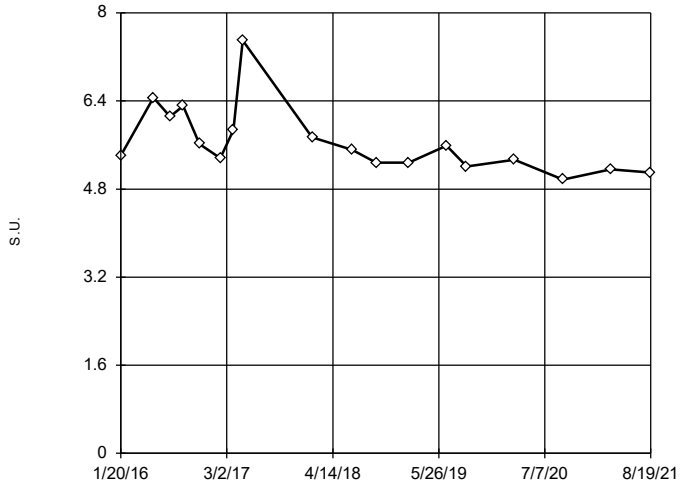
High cutoff = 6.891, low cutoff = 5.141, based on IQR multiplier of 3.

Constituent: pH, Field Analysis Run 5/11/2022 10:25 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-24



n = 18

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 8.942, low cutoff = 3.515, based on IQR multiplier of 3.

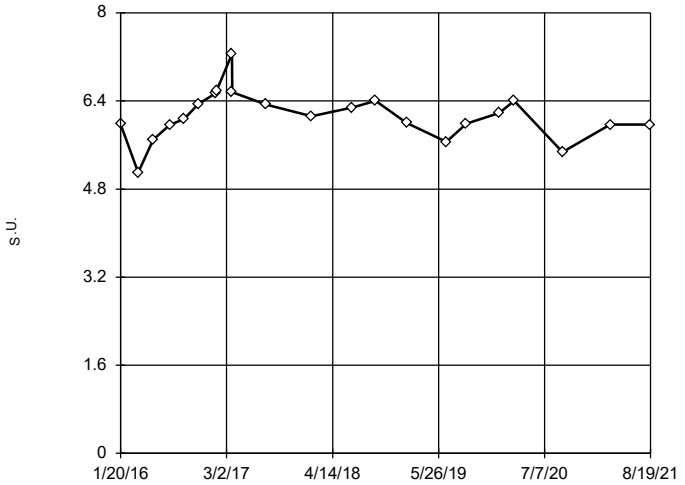
Constituent: pH, Field Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-25



n = 22

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 7.786, low cutoff = 4.763, based on IQR multiplier of 3.

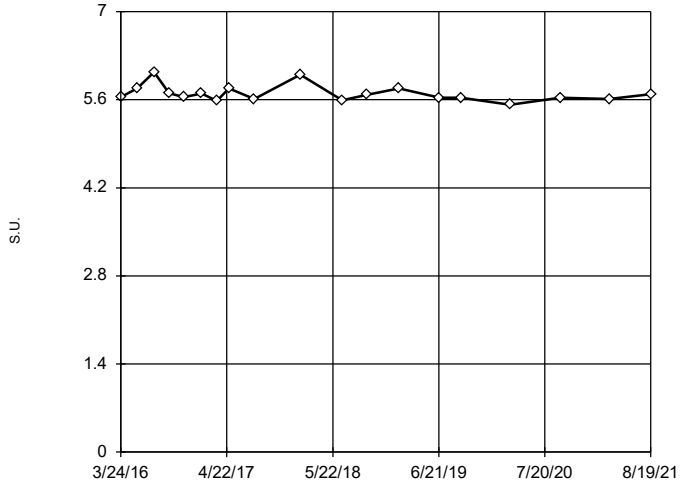
Constituent: pH, Field Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-26



n = 19

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 6.322, low cutoff = 5.129, based on IQR multiplier of 3.

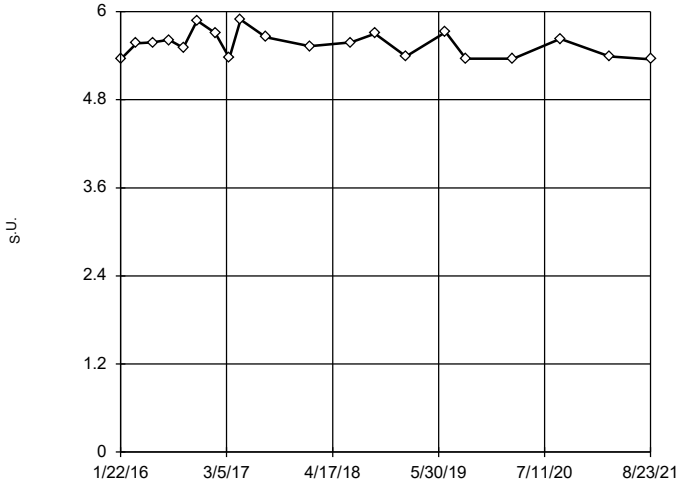
Constituent: pH, Field Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-27



n = 20

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

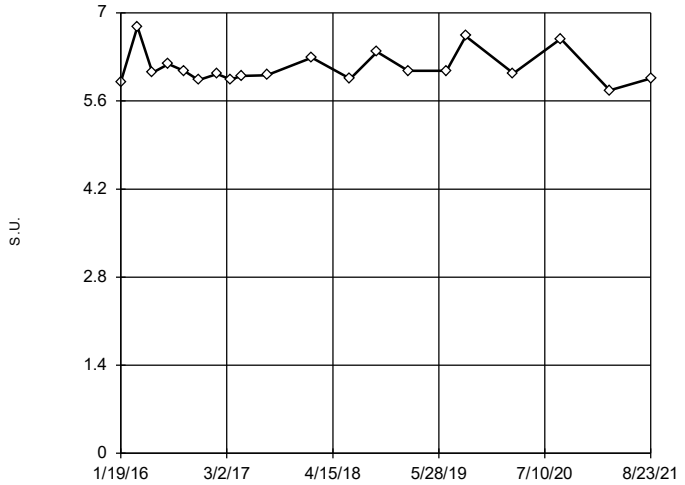
High cutoff = 6.66, low cutoff = 4.584, based on IQR multiplier of 3.

Constituent: pH, Field Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-30



n = 20

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 7.174, low cutoff = 5.178, based on IQR multiplier of 3.

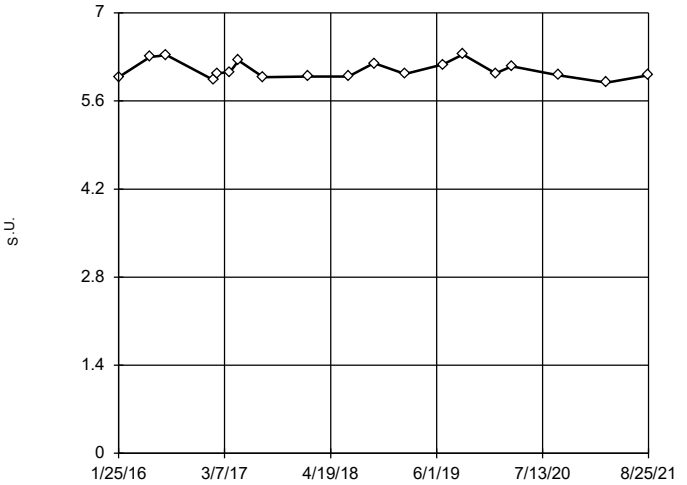
Constituent: pH, Field Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-31



n = 19

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 6.875, low cutoff = 5.402, based on IQR multiplier of 3.

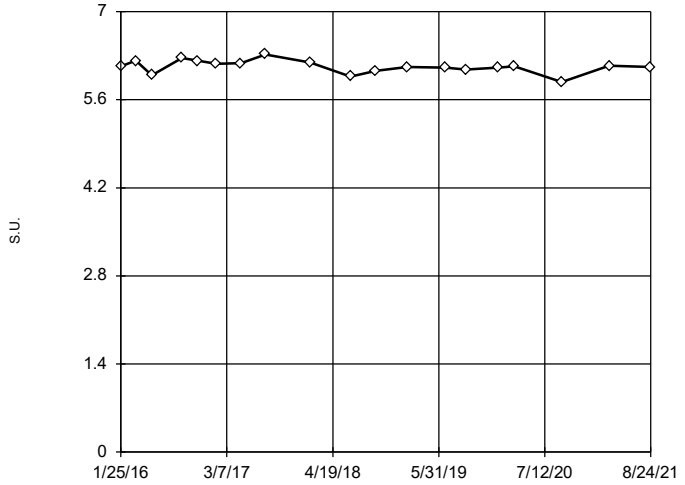
Constituent: pH, Field Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-32



n = 19

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

High cutoff = 6.472, low cutoff = 5.672, based on IQR multiplier of 3.

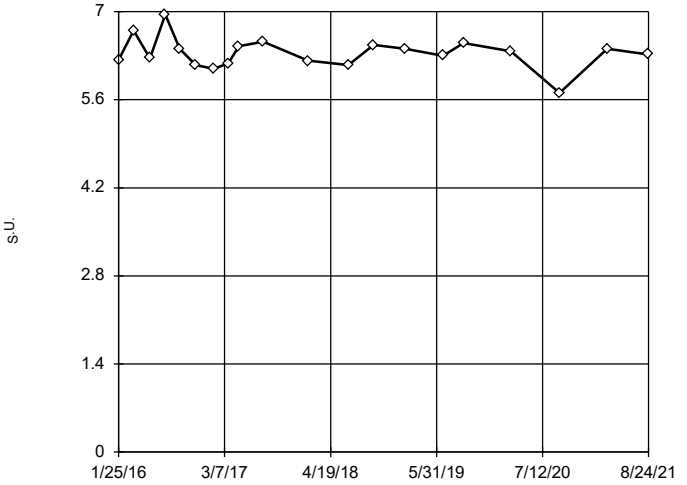
Constituent: pH, Field Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-33



n = 20

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

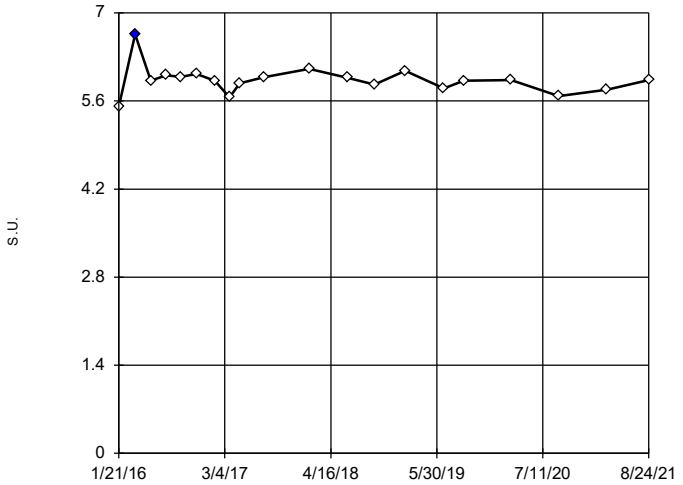
High cutoff = 7.24, low cutoff = 5.42, based on IQR multiplier of 3.

Constituent: pH, Field Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-34



n = 20

Outlier is drawn as solid.
Tukey's method select-ed by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

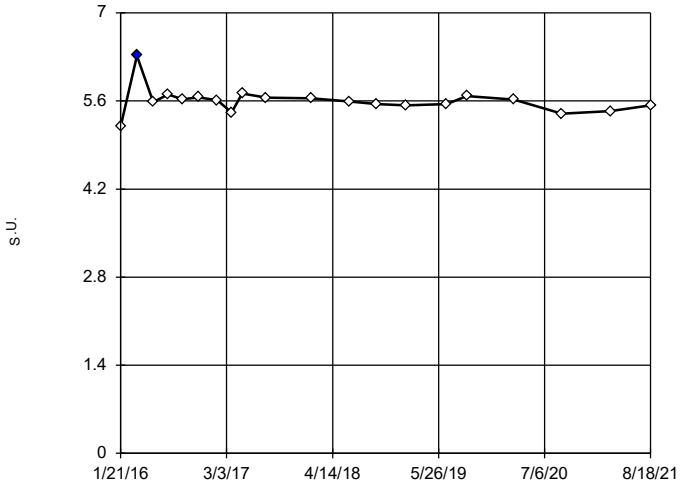
High cutoff = 6.521, low cutoff = 5.36, based on IQR multiplier of 3.

Constituent: pH, Field Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-35



n = 20

Outlier is drawn as solid.
Tukey's method select-ed by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

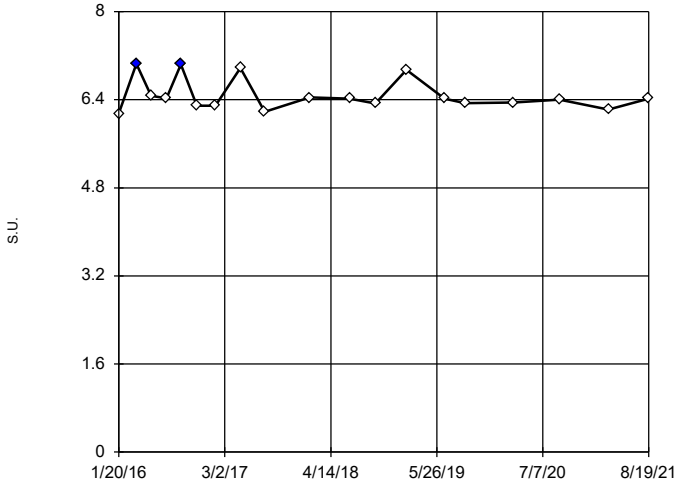
High cutoff = 6.047, low cutoff = 5.171, based on IQR multiplier of 3.

Constituent: pH, Field Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-5



n = 19

Outliers are drawn as solid.
Tukey's method select-ed by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

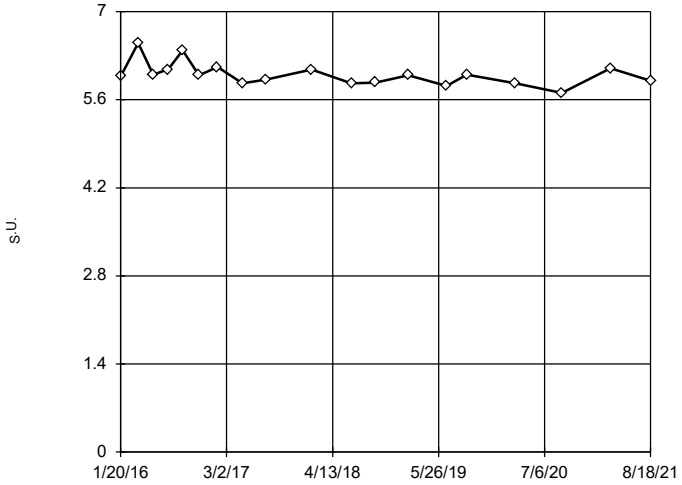
High cutoff = 7.042, low cutoff = 5.779, based on IQR multiplier of 3.

Constituent: pH, Field Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-6



n = 19

No outliers found.
Tukey's method select-ed by user.

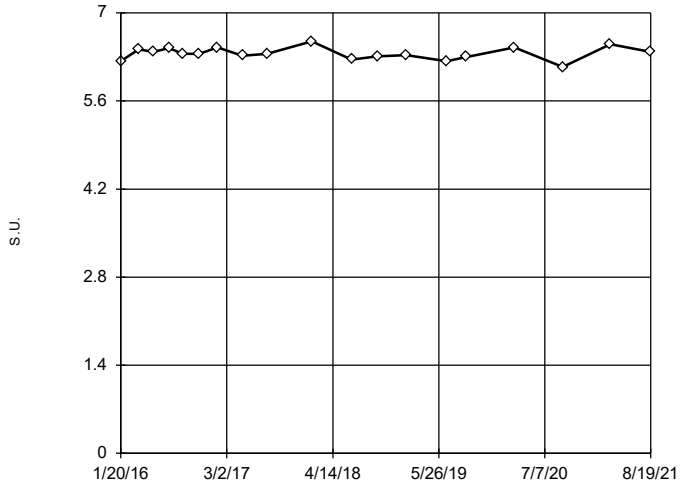
Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 6.801, low cutoff = 5.241, based on IQR multiplier of 3.

Constituent: pH, Field Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-7



n = 19

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

High cutoff = 6.822, low cutoff = 5.843, based on IQR multiplier of 3.

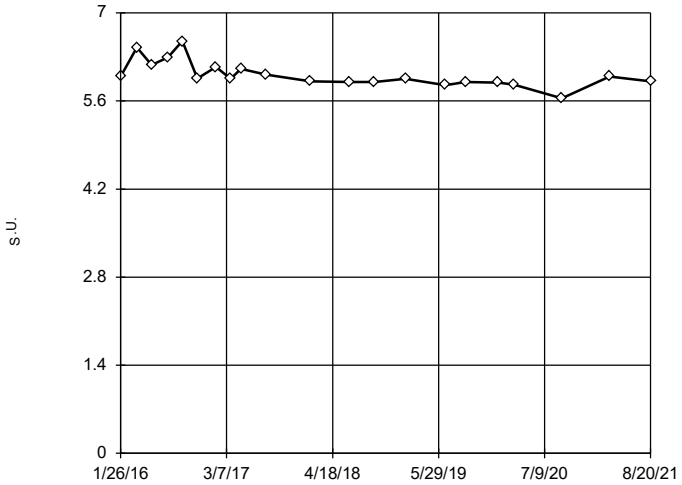
Constituent: pH, Field Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-8



n = 21

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 6.853, low cutoff = 5.273, based on IQR multiplier of 3.

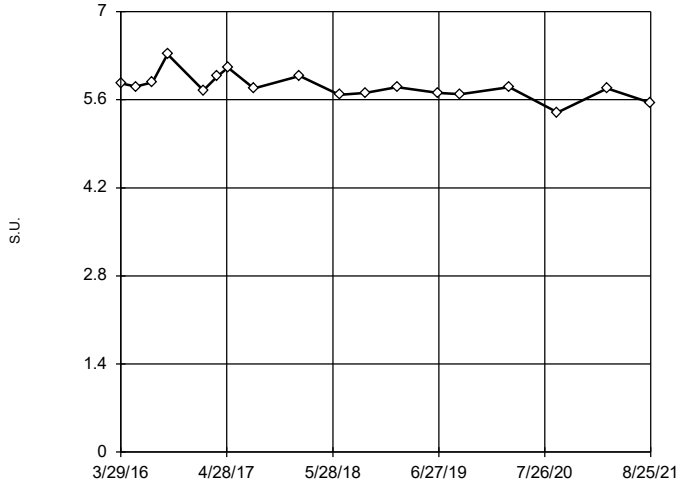
Constituent: pH, Field Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-9



n = 18

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 6.645, low cutoff = 5.08, based on IQR multiplier of 3.

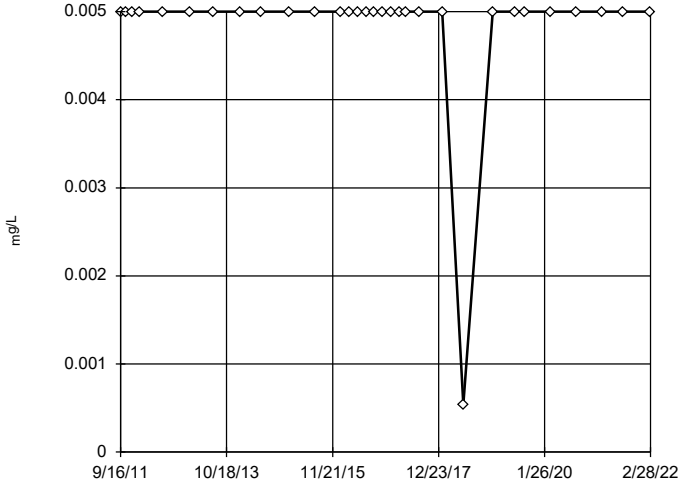
Constituent: pH, Field Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-1 (bg)



n = 31

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

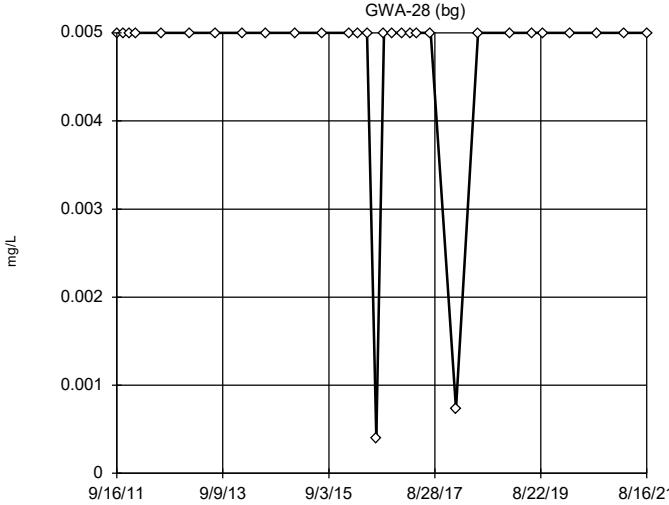
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Selenium Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWA-28 (bg)



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

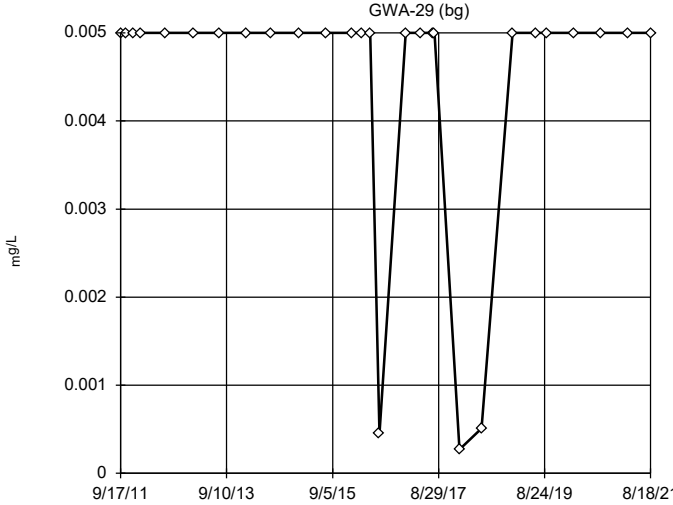
Constituent: Selenium Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-29 (bg)



n = 28

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

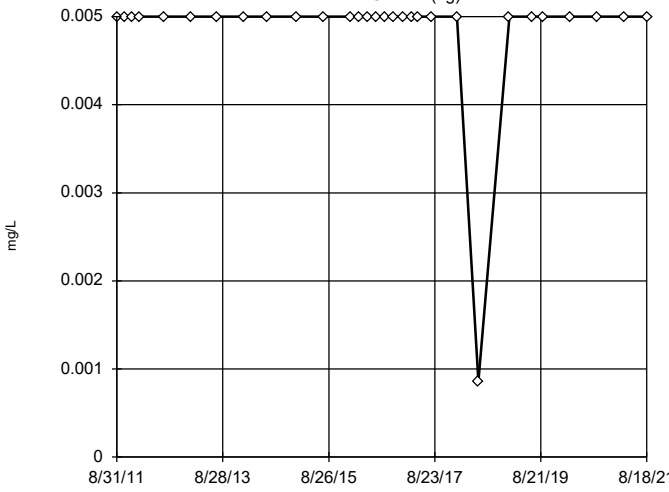
Constituent: Selenium Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-4 (bg)



n = 30

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

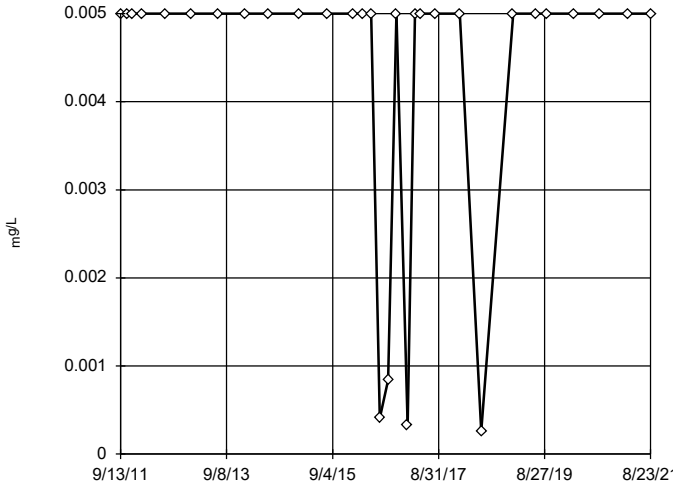
Constituent: Selenium Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-11



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

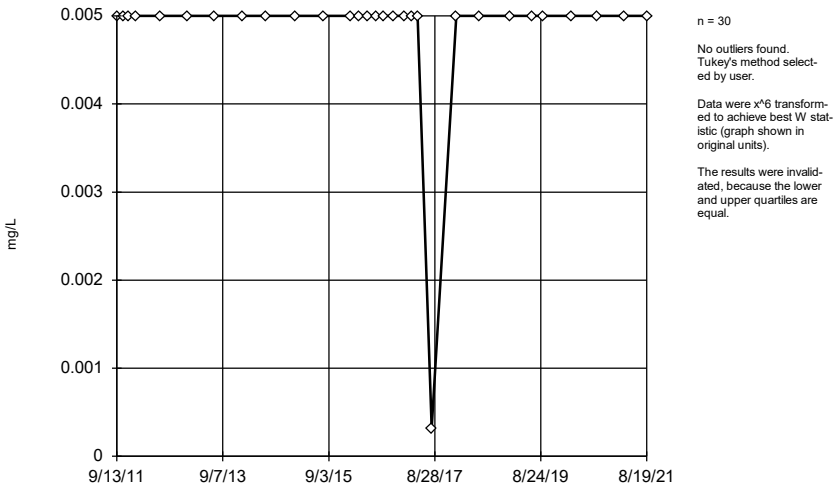
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Selenium Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-12



n = 30

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

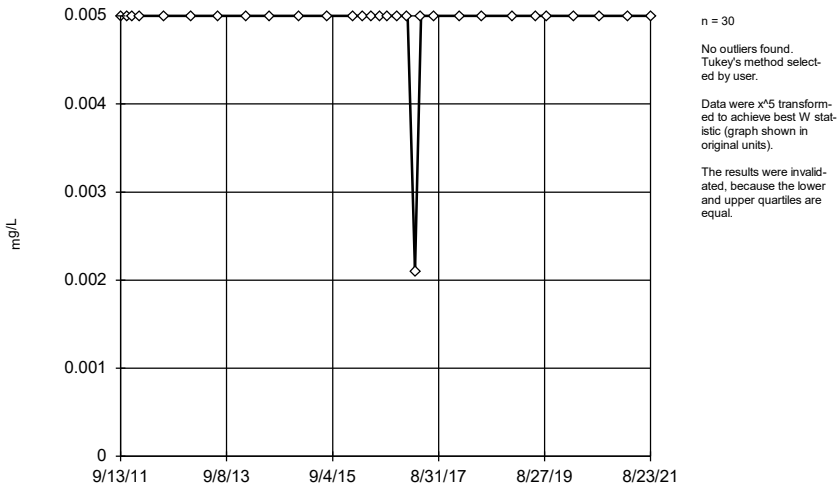
Constituent: Selenium Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-13



n = 30

No outliers found. Tukey's method selected by user.

Data were x^5 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

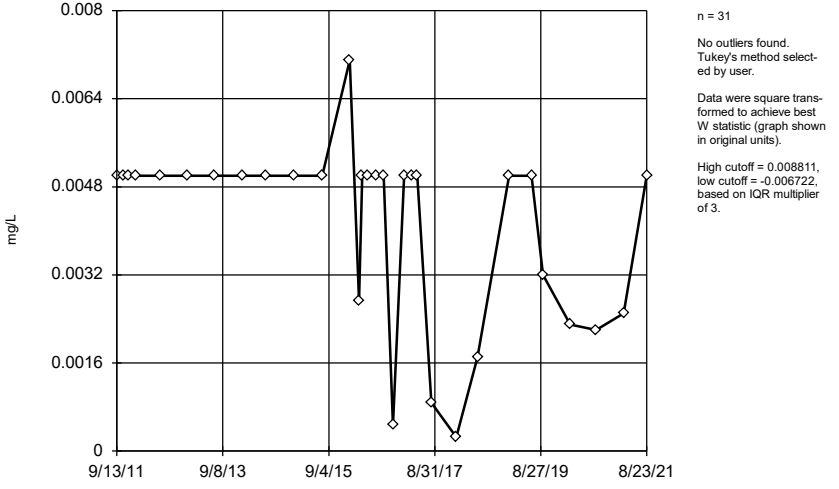
Constituent: Selenium Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-14



n = 31

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.008811, low cutoff = -0.006722, based on IQR multiplier of 3.

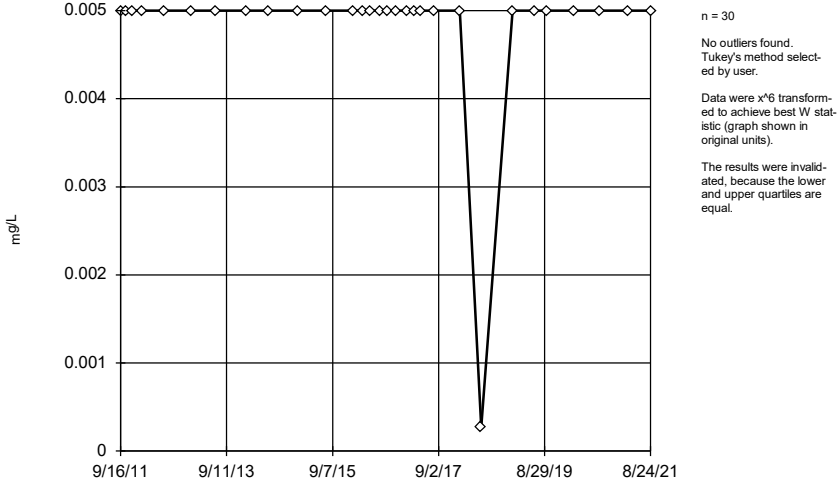
Constituent: Selenium Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-15



n = 30

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

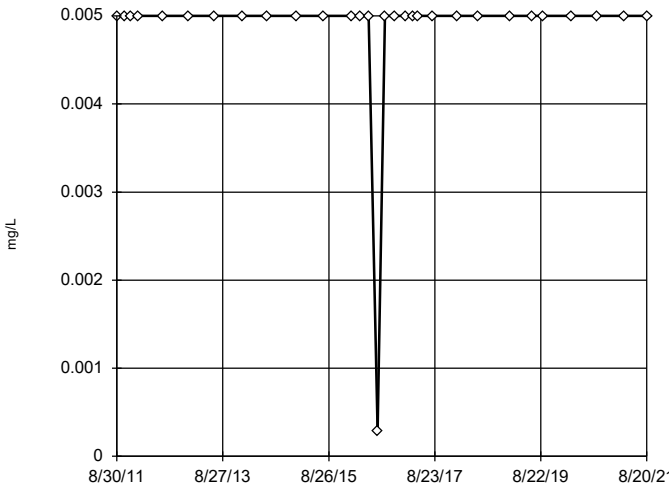
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Selenium Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-16



n = 30

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

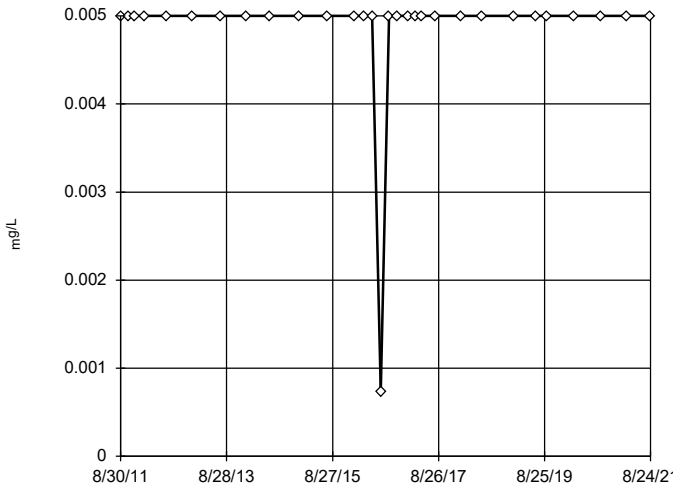
Constituent: Selenium Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-18



n = 30

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

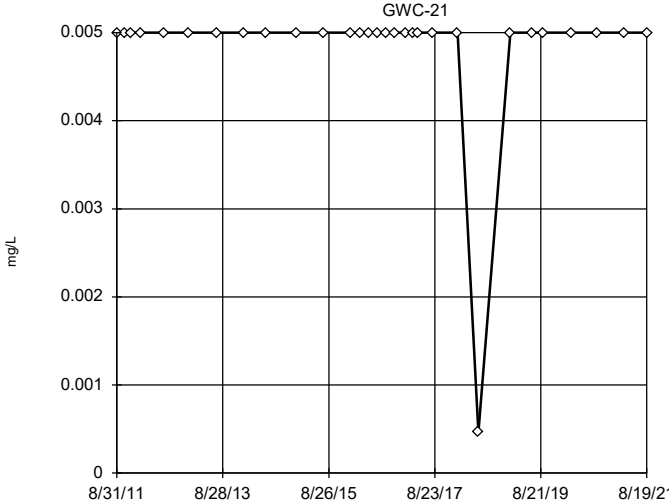
Constituent: Selenium Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-21



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

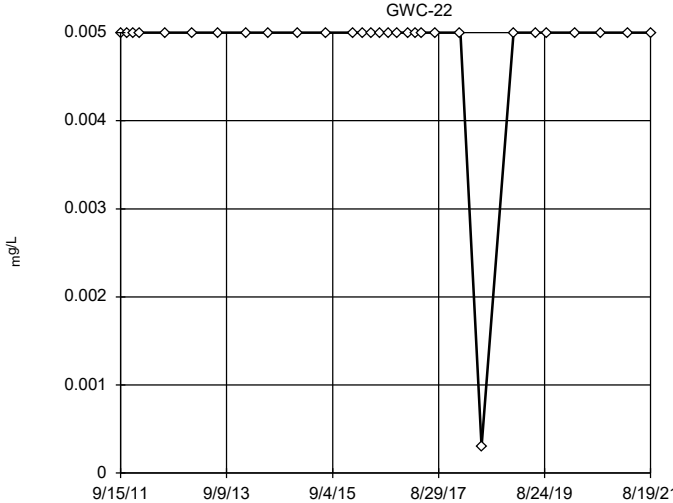
Constituent: Selenium Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-22



n = 30

No outliers found. Tukey's method selected by user.

Data were x^5 transformed to achieve best W statistic (graph shown in original units).

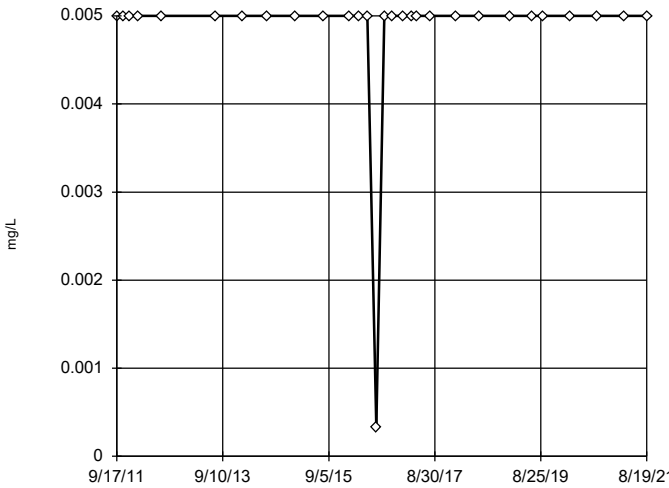
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Selenium Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-25



n = 29

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

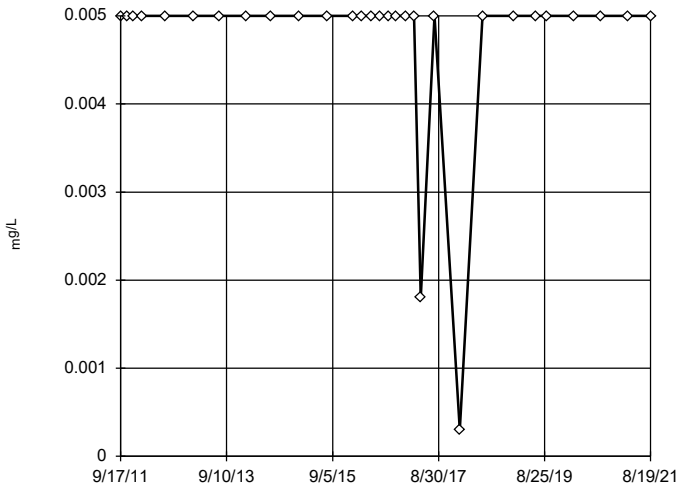
Constituent: Selenium Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-26



n = 30

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

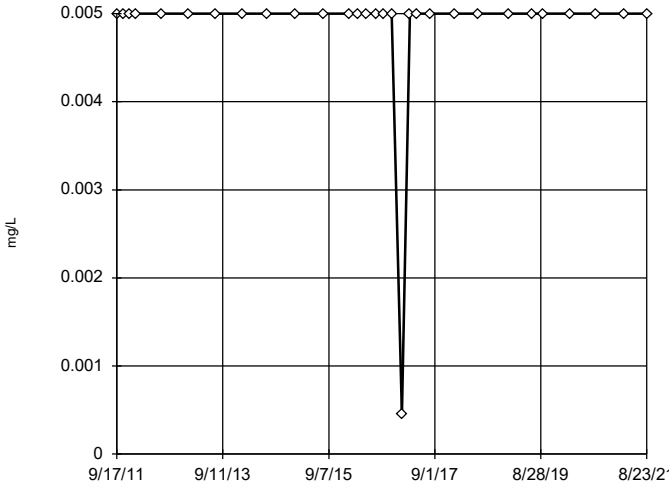
Constituent: Selenium Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-27



n = 30

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

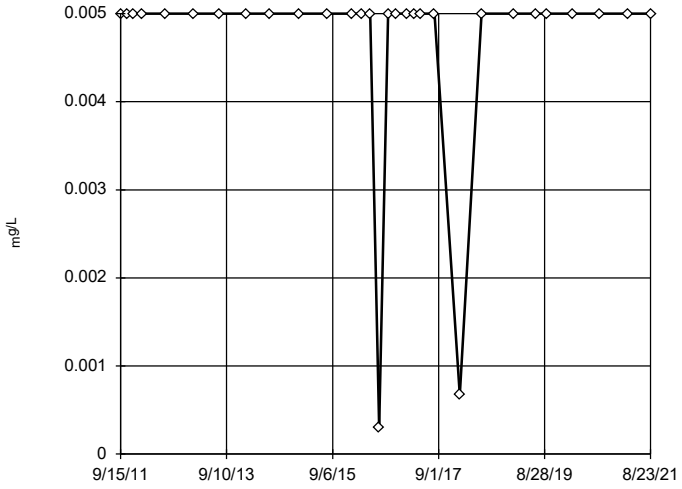
Constituent: Selenium Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-30



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

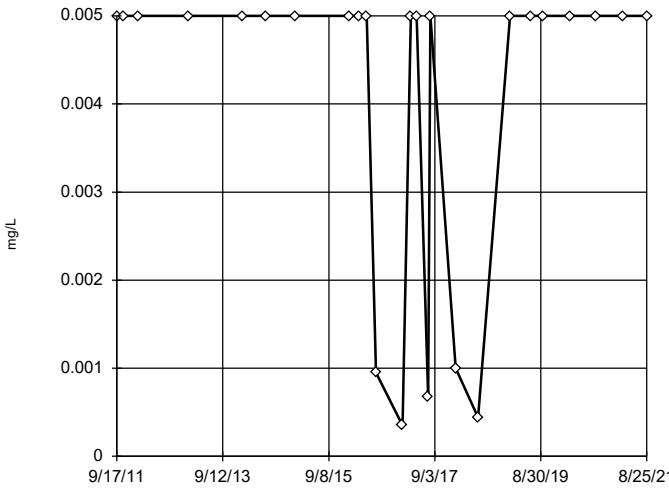
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Selenium Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-31



n = 25

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

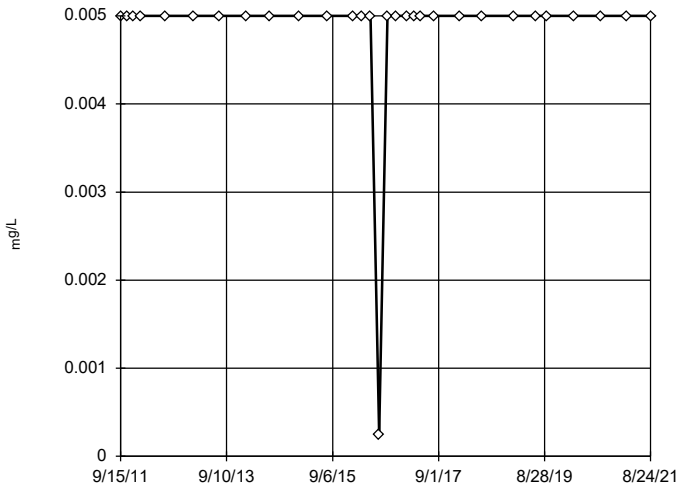
Constituent: Selenium Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-32



n = 30

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

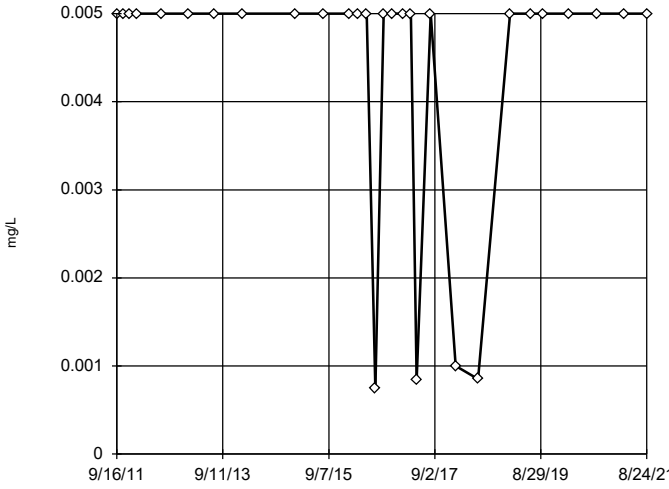
Constituent: Selenium Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-33



n = 29

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

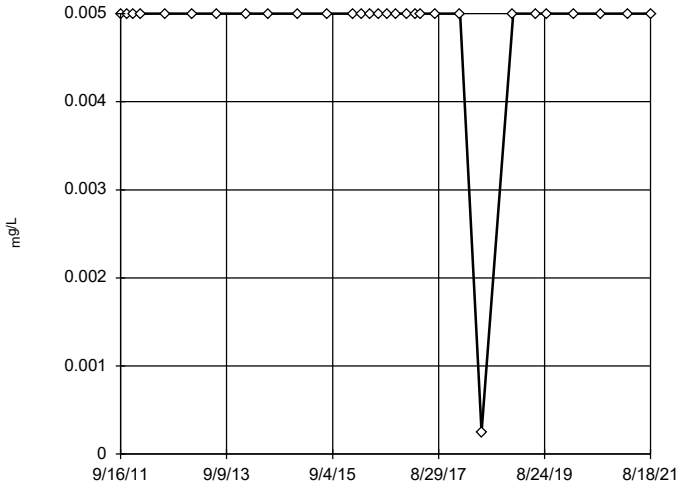
Constituent: Selenium Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-35



n = 30

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

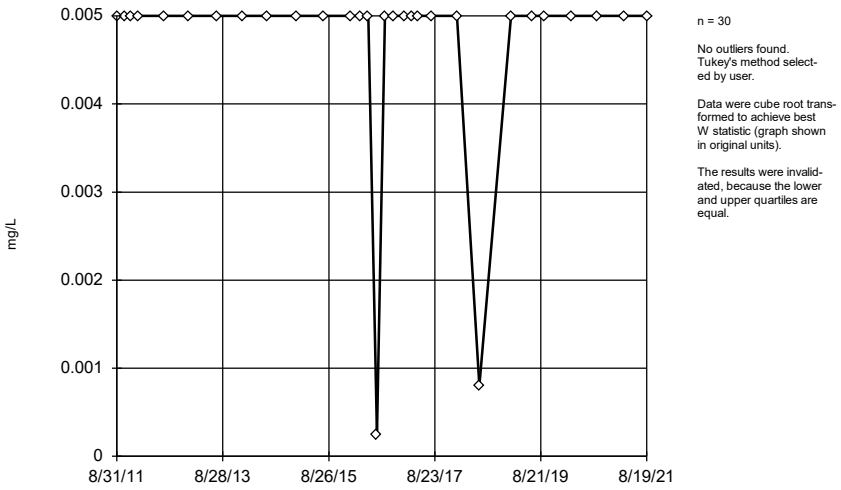
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Selenium Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-5



n = 30

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

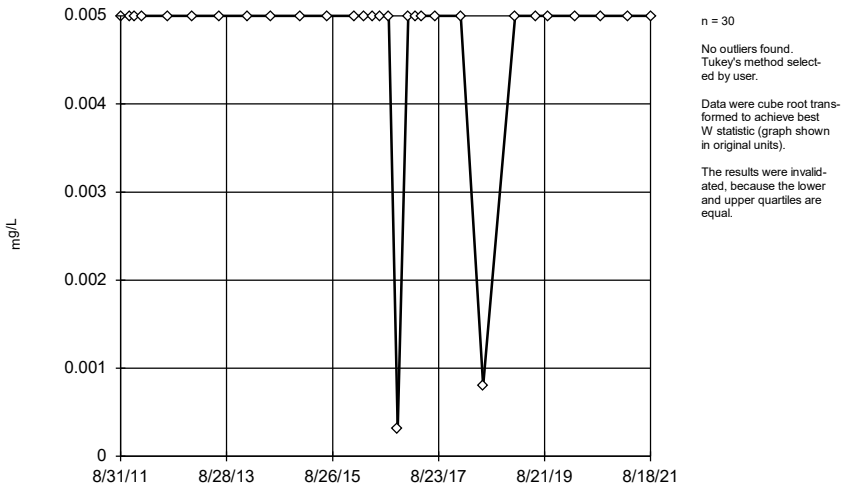
Constituent: Selenium Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-6



n = 30

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

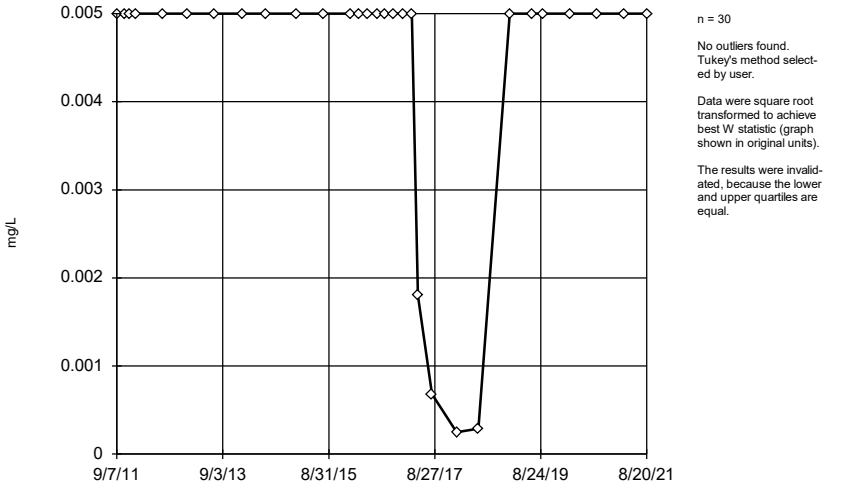
Constituent: Selenium Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-8



n = 30

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

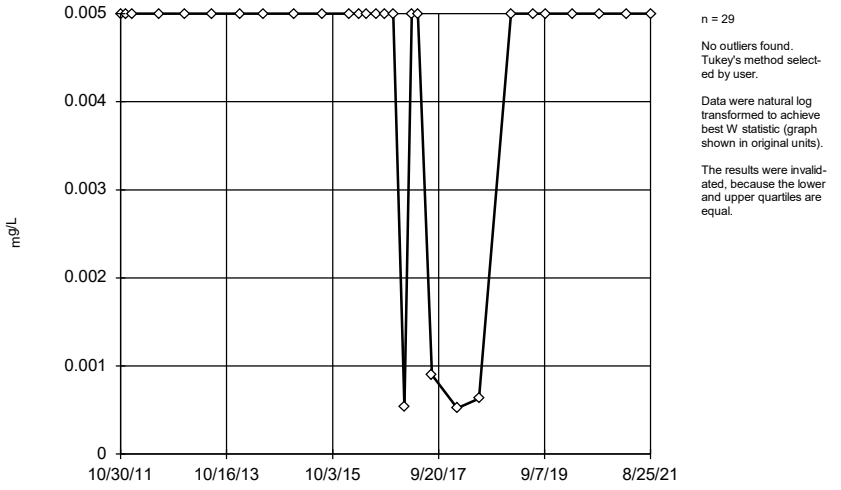
Constituent: Selenium Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-9



n = 29

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

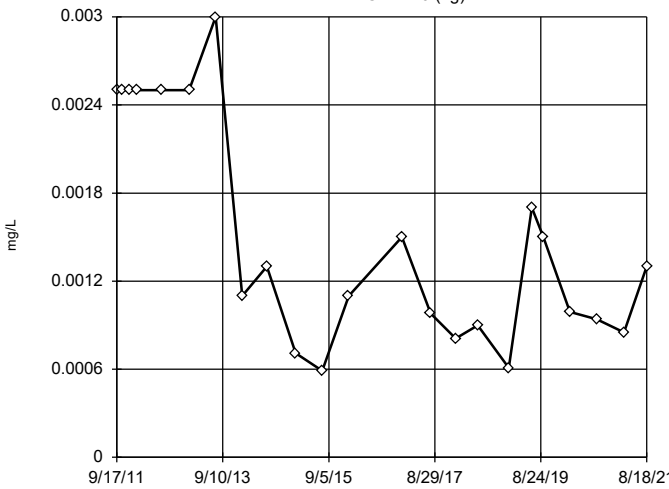
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Selenium Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWA-29 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.05358, low cutoff = 0.00004199, based on IQR multiplier of 3.

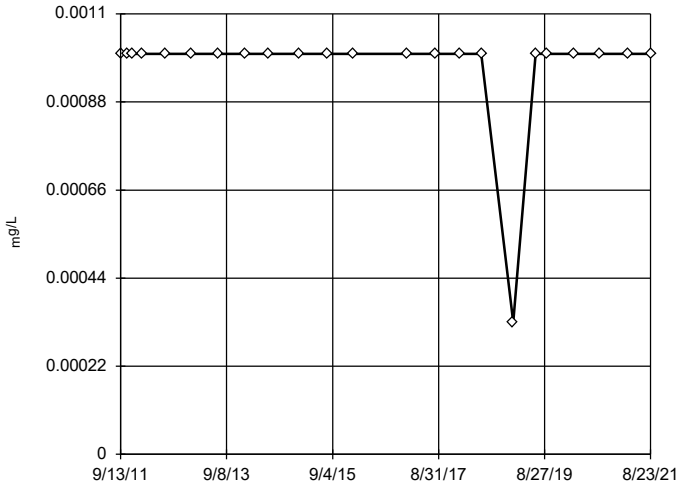
Constituent: Silver Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-11



n = 23

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

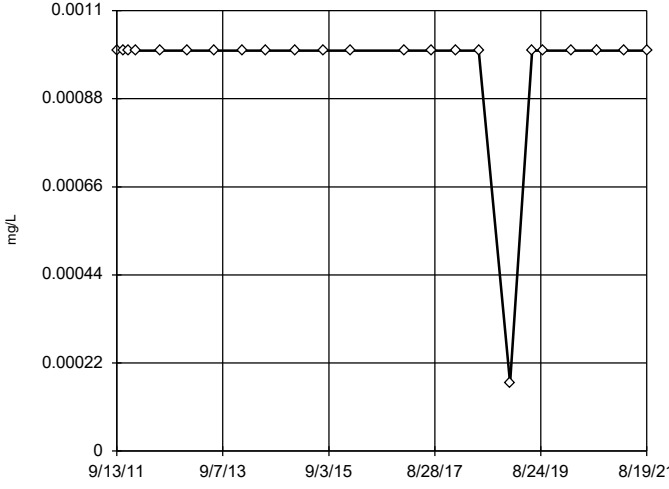
Constituent: Silver Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-12



n = 23

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

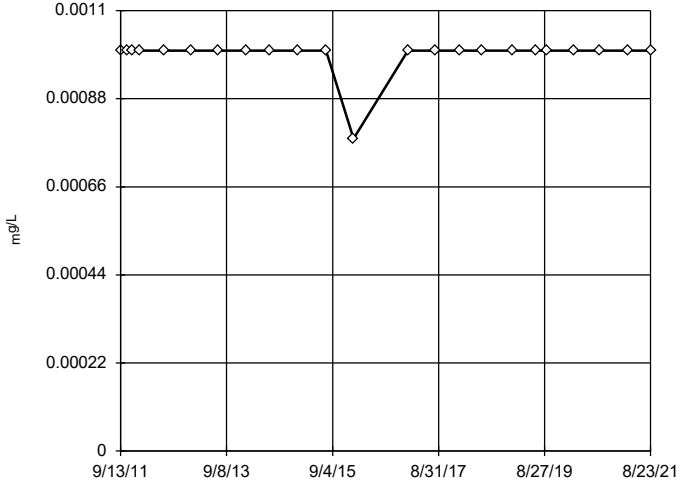
Constituent: Silver Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-14



n = 23

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

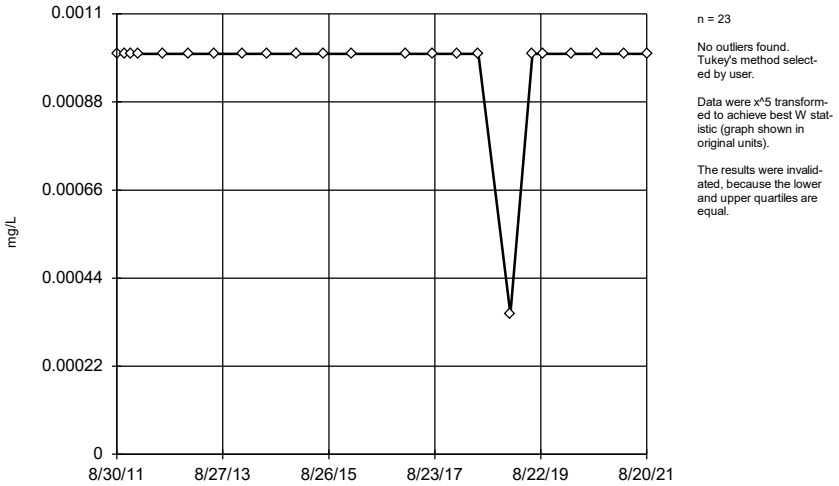
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Silver Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-16



n = 23

No outliers found. Tukey's method selected by user.

Data were x^5 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

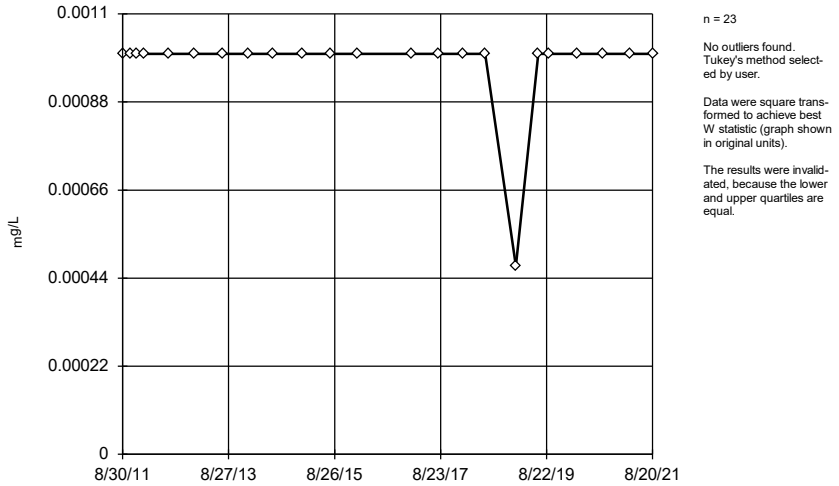
Constituent: Silver Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-17



n = 23

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

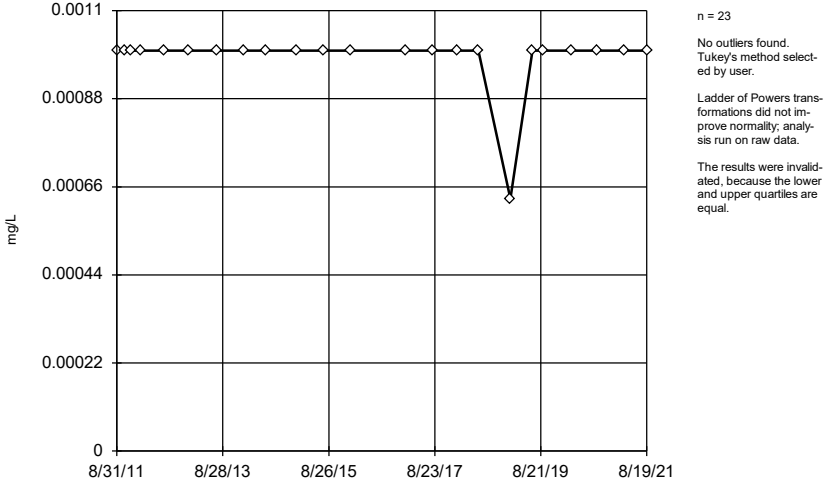
Constituent: Silver Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-21



n = 23

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

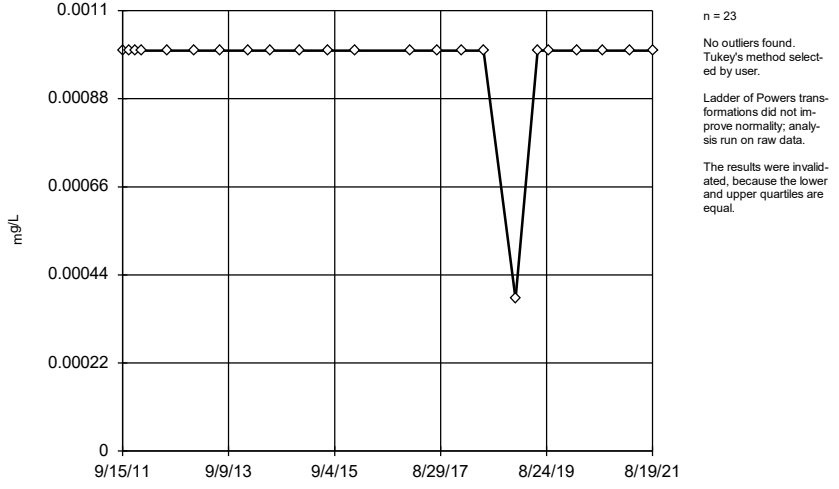
Constituent: Silver Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-22



n = 23

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

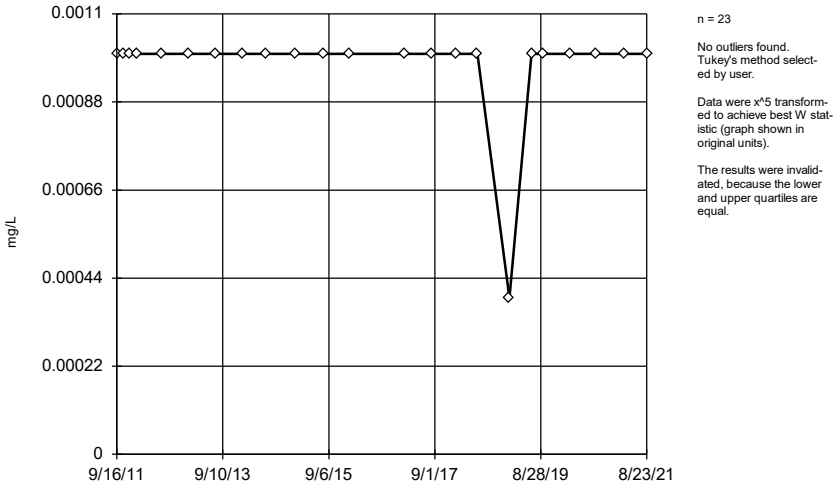
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Silver Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-23



n = 23

No outliers found. Tukey's method selected by user.

Data were x^5 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

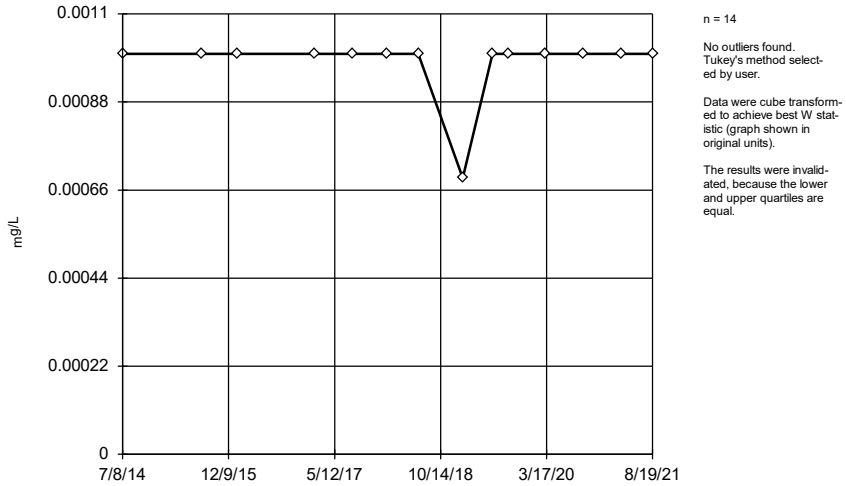
Constituent: Silver Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-24



n = 14

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

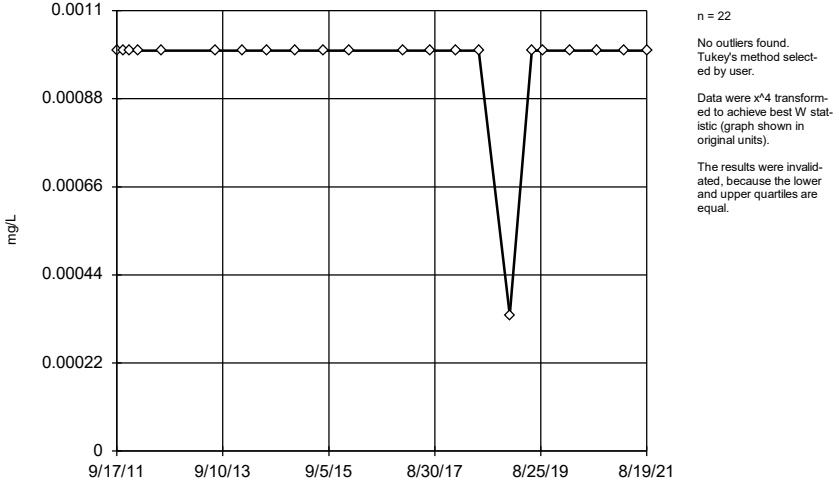
Constituent: Silver Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-25



n = 22

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

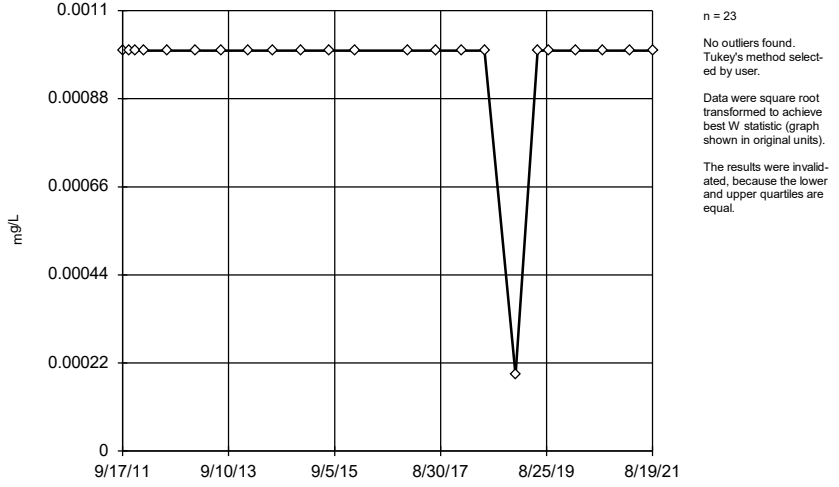
Constituent: Silver Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-26



n = 23

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

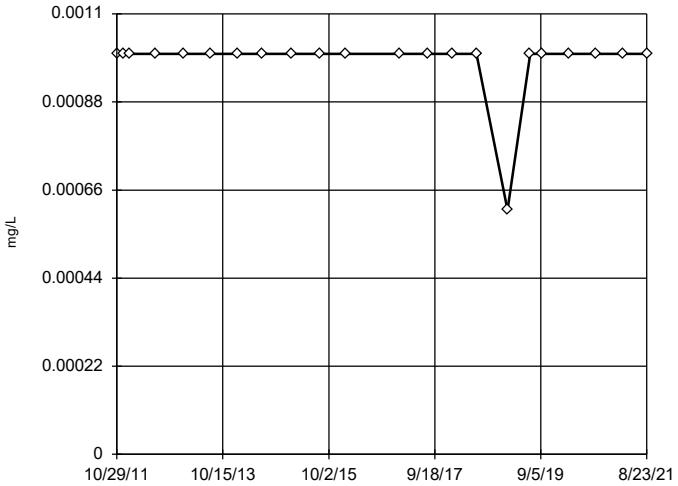
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Silver Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-27



n = 22

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

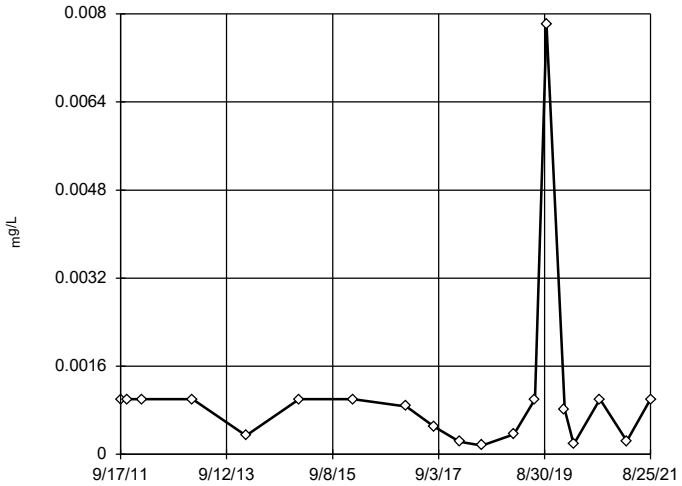
Constituent: Silver Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-31



n = 19

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.02544, low cutoff = 0.00001336, based on IQR multiplier of 3.

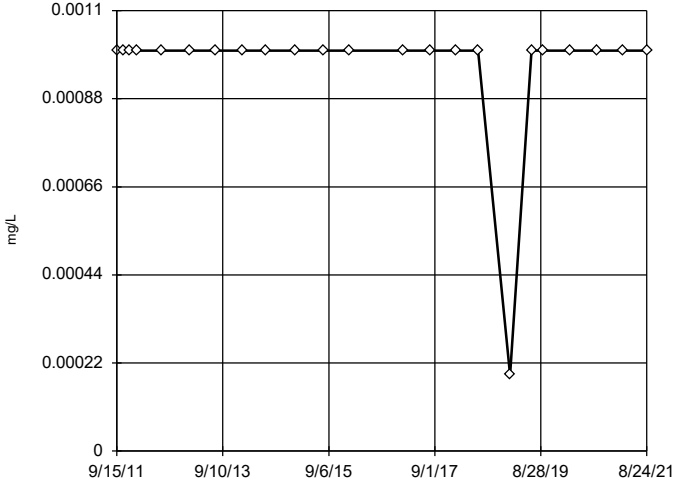
Constituent: Silver Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-32



n = 23

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

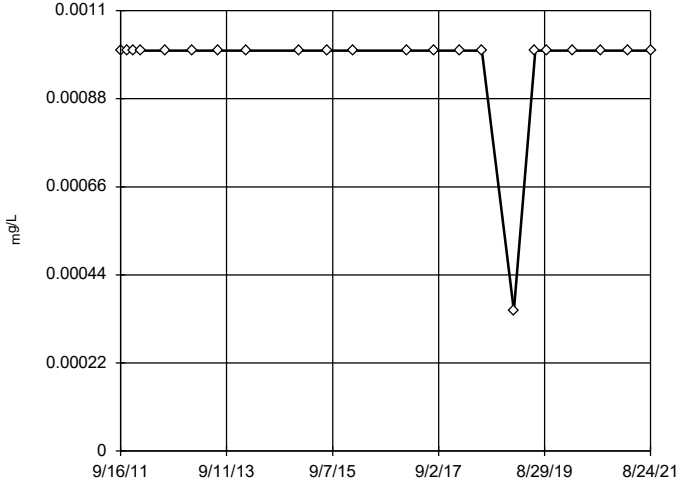
Constituent: Silver Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-33



n = 22

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

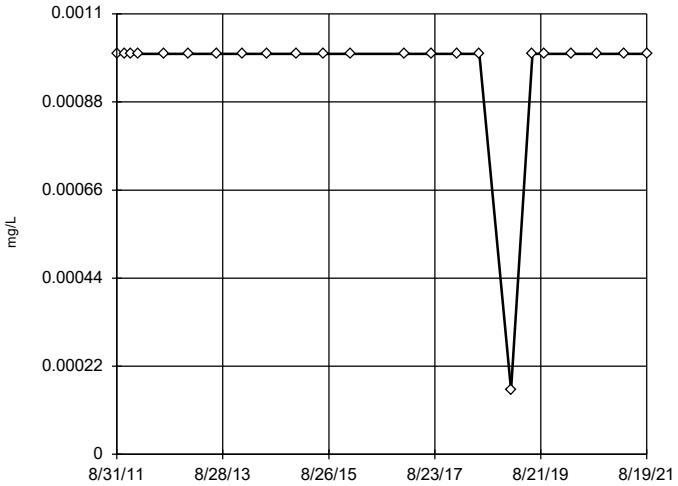
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Silver Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-5



n = 23

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

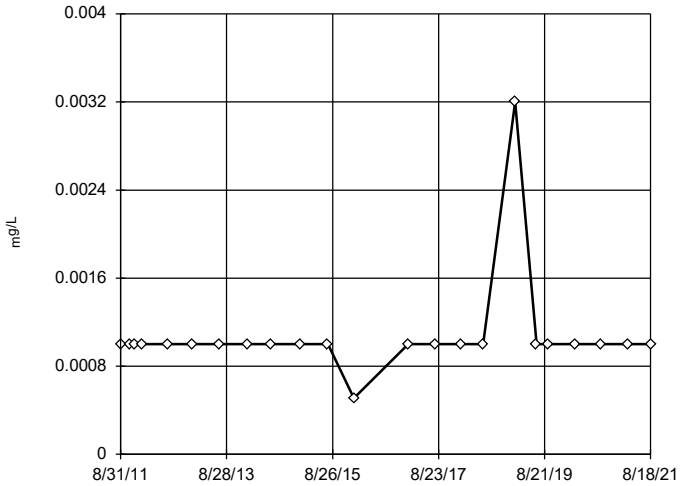
Constituent: Silver Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-6



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

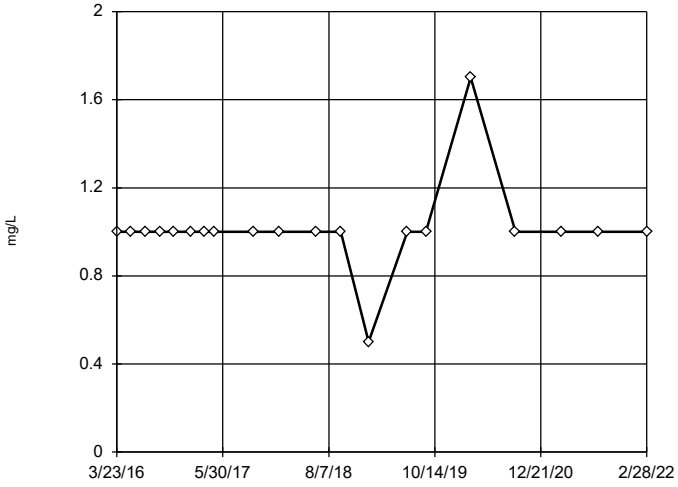
Constituent: Silver Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-1 (bg)



n = 20

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

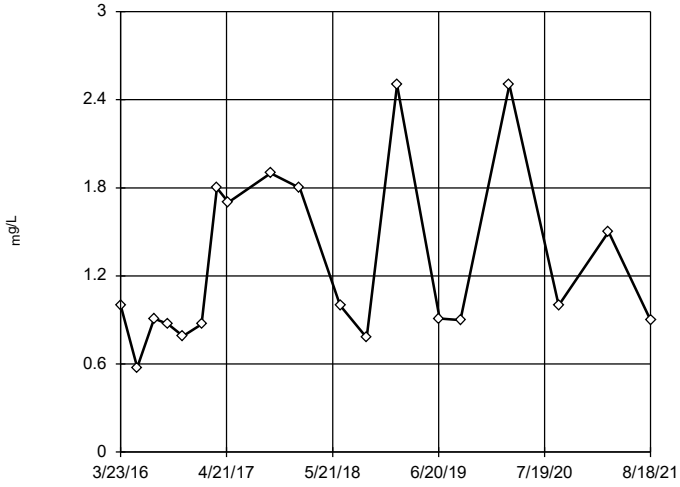
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-2 (bg)



n = 19

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

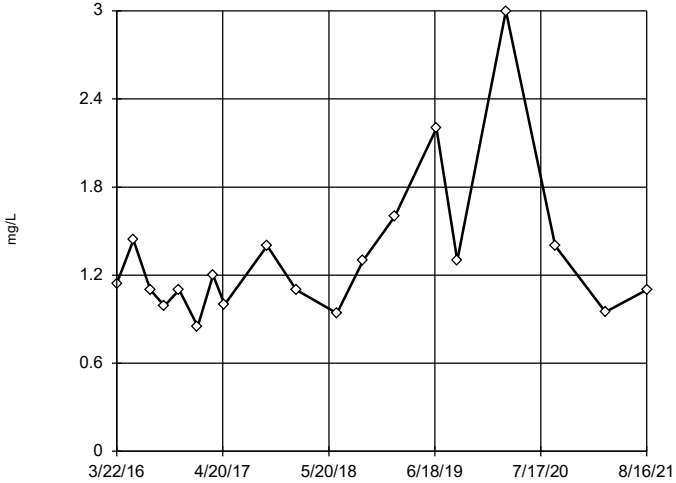
High cutoff = 15.94, low cutoff = 0.09823, based on IQR multiplier of 3.

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:26 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWA-28 (bg)



n = 19

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

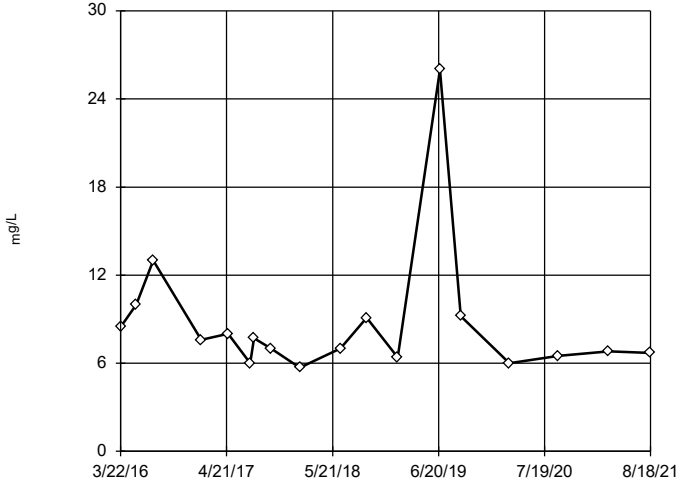
High cutoff = 3.842, low cutoff = 0.3644, based on IQR multiplier of 3.

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-29 (bg)



n = 18

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

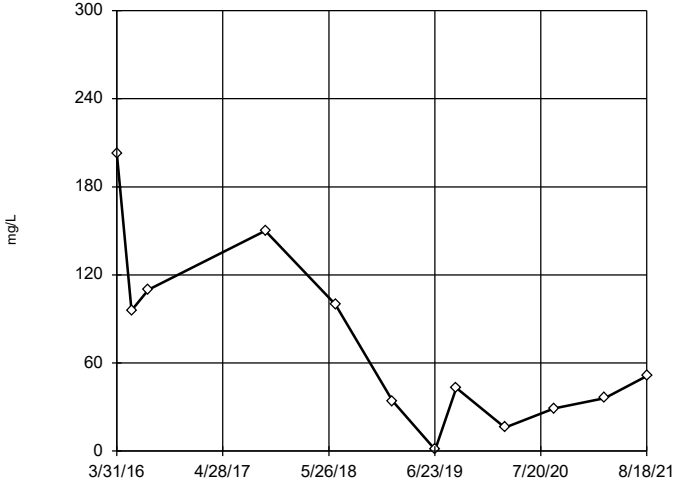
High cutoff = 26.12, low cutoff = 2.259, based on IQR multiplier of 3.

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-3 (bg)



n = 12

No outliers found.
Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

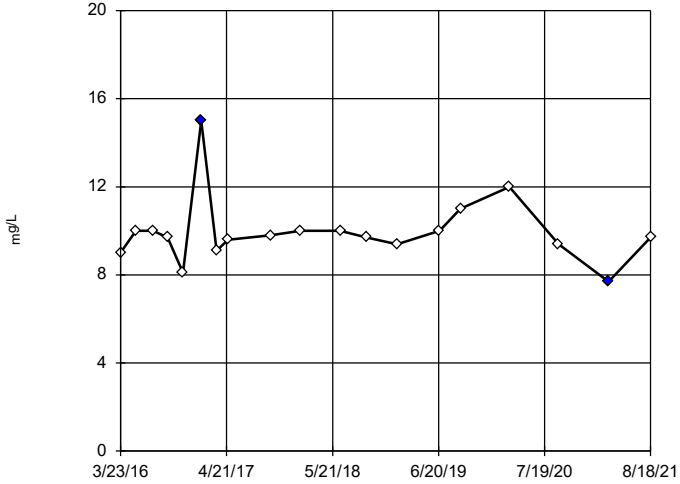
High cutoff = 583.3, low cutoff = -68.89, based on IQR multiplier of 3.

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-4 (bg)



n = 19

Outliers are drawn as solid.
Tukey's method selected by user.

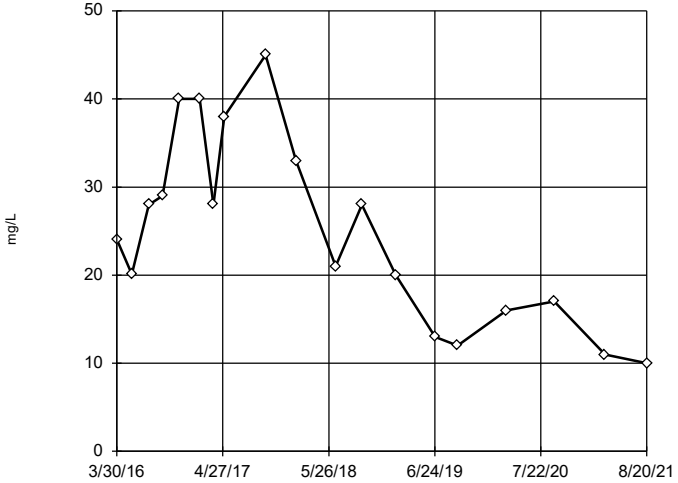
Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 12.04, low cutoff = 7.807, based on IQR multiplier of 3.

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-10



n = 19

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 120.5, low cutoff = -1.522, based on IQR multiplier of 3.

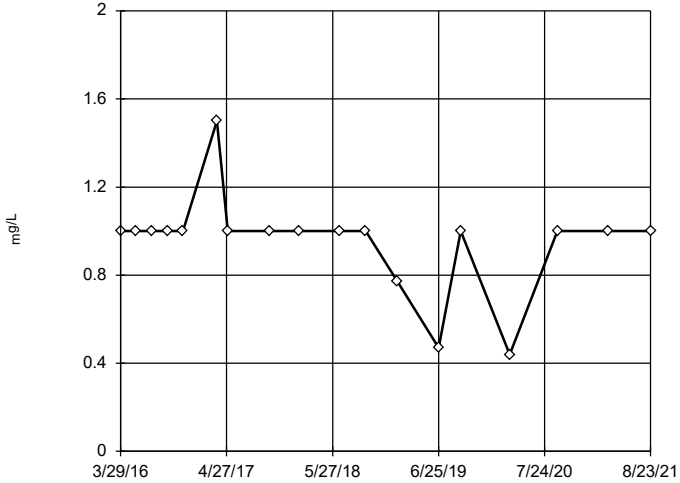
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-11



n = 18

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

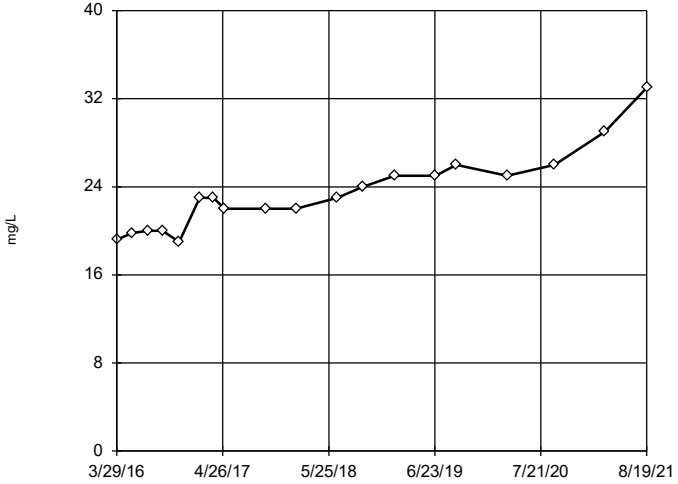
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-12



n = 19

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 48.83, low cutoff = 10.24, based on IQR multiplier of 3.

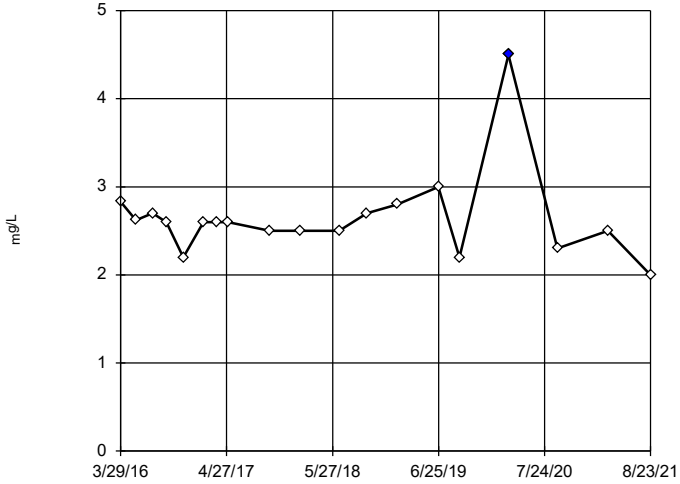
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-13



n = 19

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

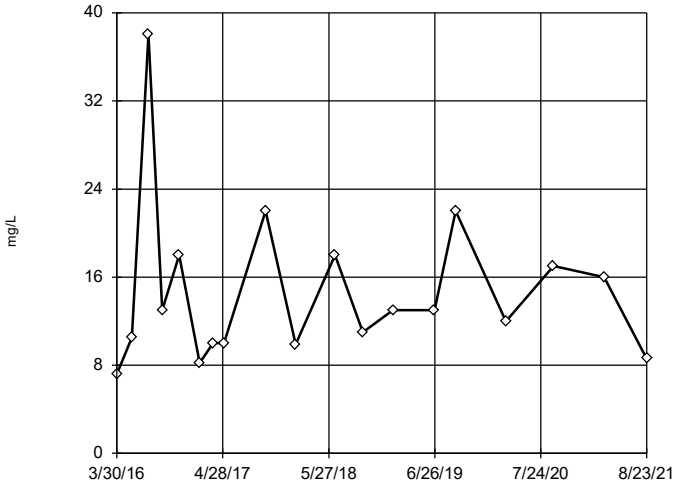
High cutoff = 3.401, low cutoff = 1.985, based on IQR multiplier of 3.

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-14



n = 19

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 105, low cutoff = 1.715, based on IQR multiplier of 3.

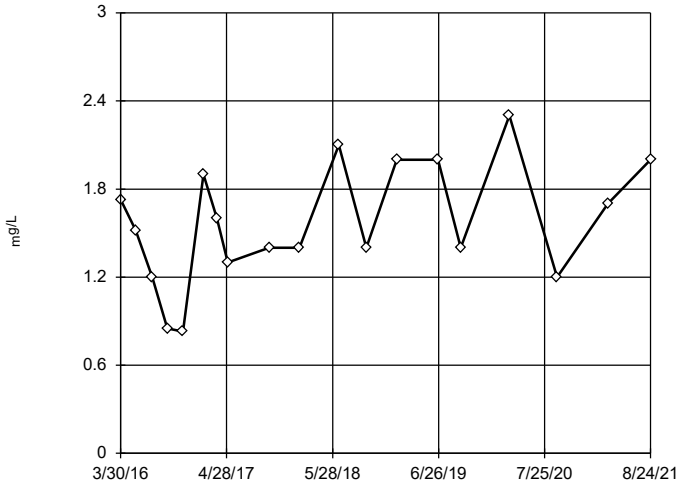
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-15



n = 19

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 4.1, low cutoff = -0.8, based on IQR multiplier of 3.

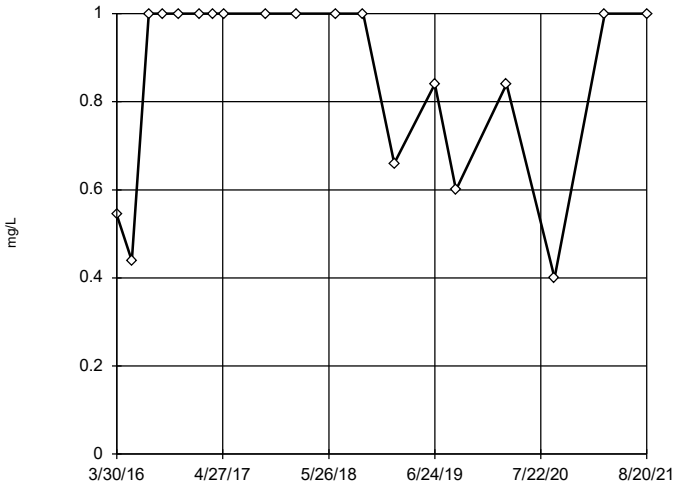
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-16



n = 19

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

High cutoff = 1.641, low cutoff = -1.121, based on IQR multiplier of 3.

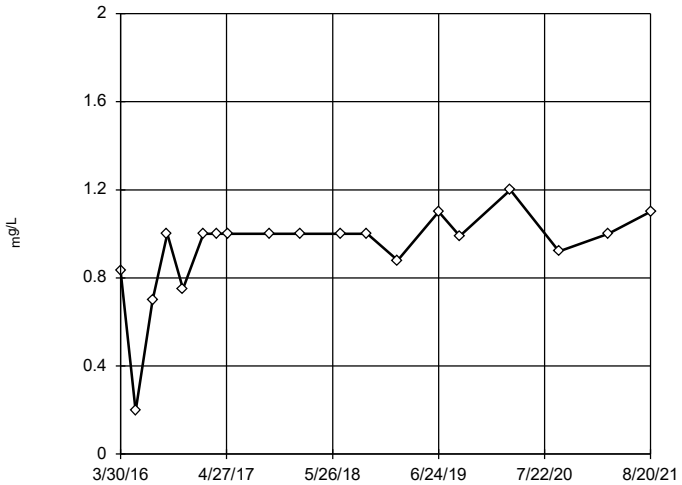
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-17



n = 19

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

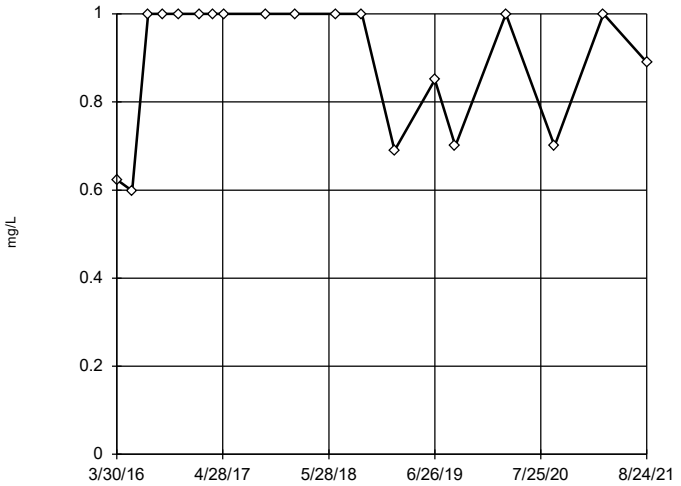
High cutoff = 1.251, low cutoff = -0.6496, based on IQR multiplier of 3.

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-18



n = 19

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 1.9, low cutoff = -0.2, based on IQR multiplier of 3.

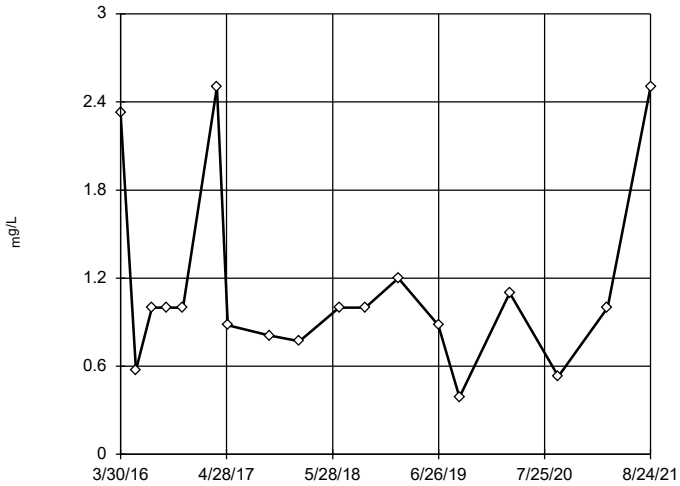
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-19



n = 18

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 3.537, low cutoff = 0.2565, based on IQR multiplier of 3.

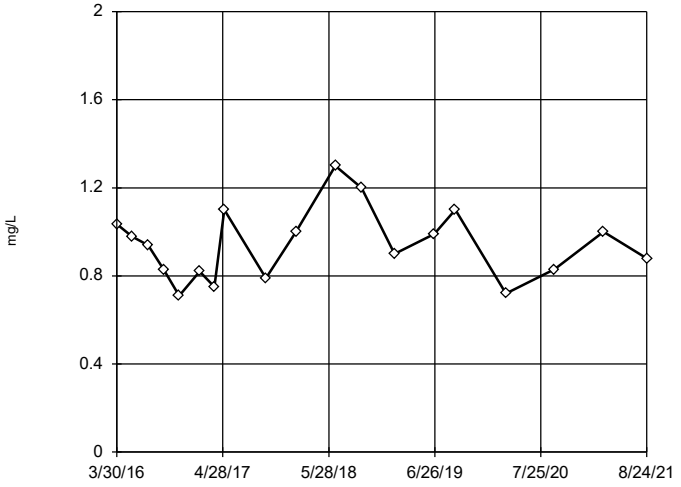
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-20



n = 19

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 2.086, low cutoff = 0.4071, based on IQR multiplier of 3.

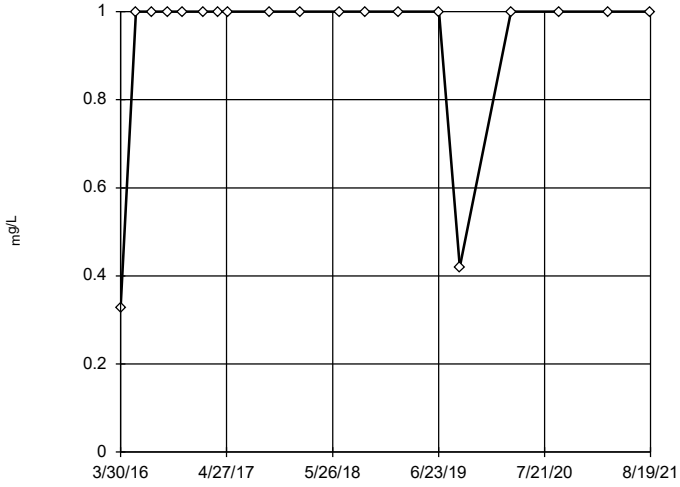
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-21



n = 19

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

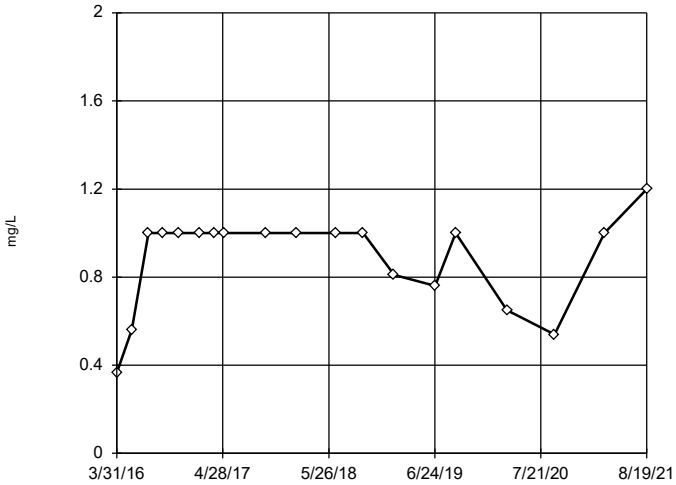
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-22



n = 19

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

High cutoff = 1.39, low cutoff = -1.076, based on IQR multiplier of 3.

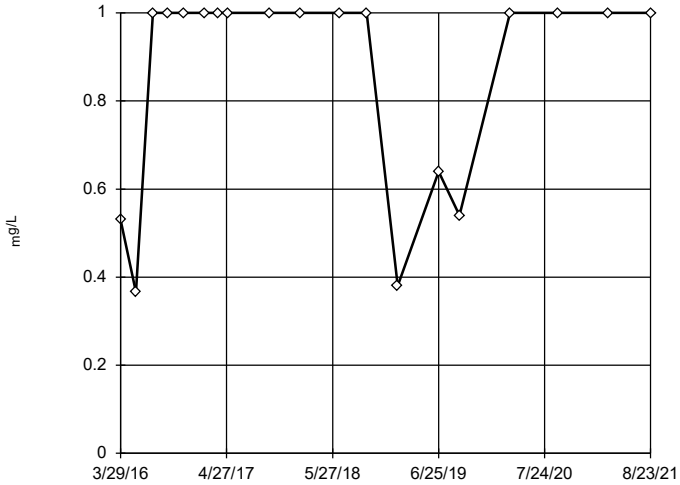
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-23



n = 19

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 2.831, low cutoff = 0.08937, based on IQR multiplier of 3.

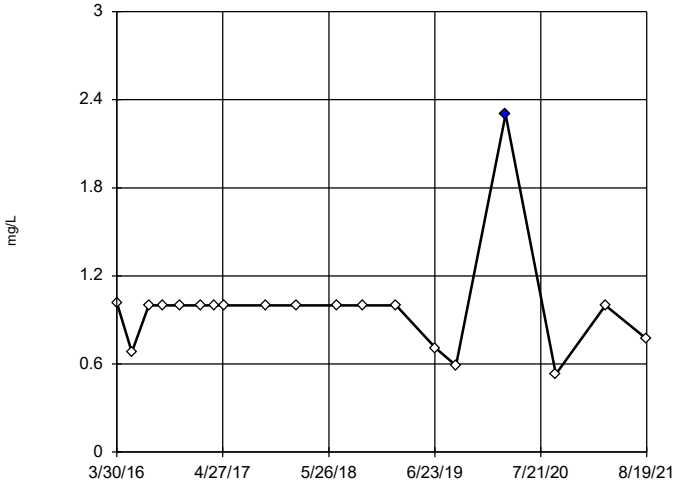
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-24



n = 19

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 2.19, low cutoff = 0.3515, based on IQR multiplier of 3.

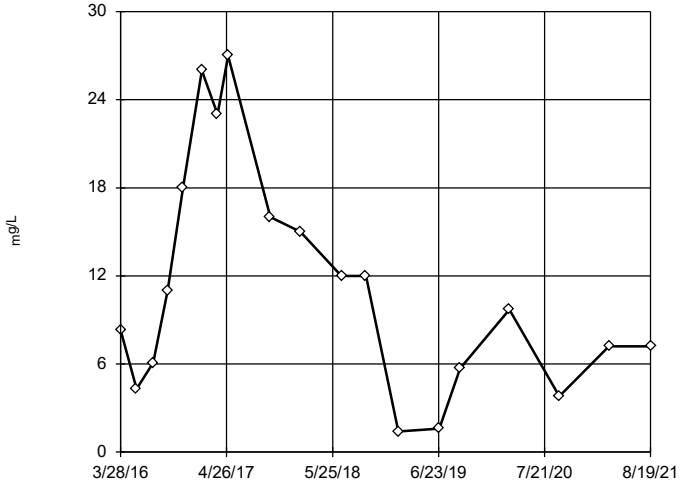
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-25



n = 19

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

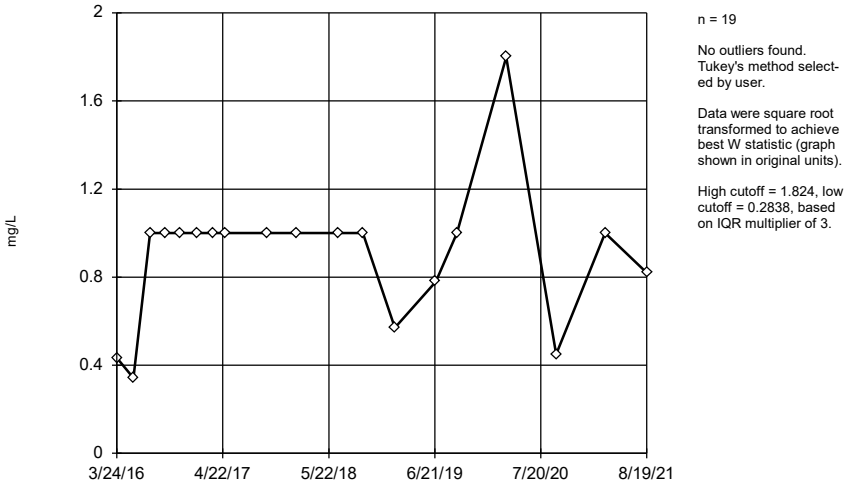
High cutoff = 105.2, low cutoff = -0.07109, based on IQR multiplier of 3.

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-26



n = 19

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 1.824, low cutoff = 0.2838, based on IQR multiplier of 3.

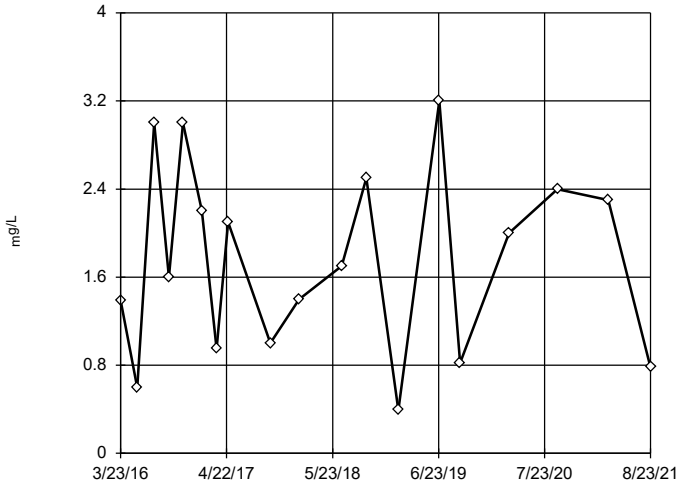
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-27



n = 19

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 10.71, low cutoff = -0.5608, based on IQR multiplier of 3.

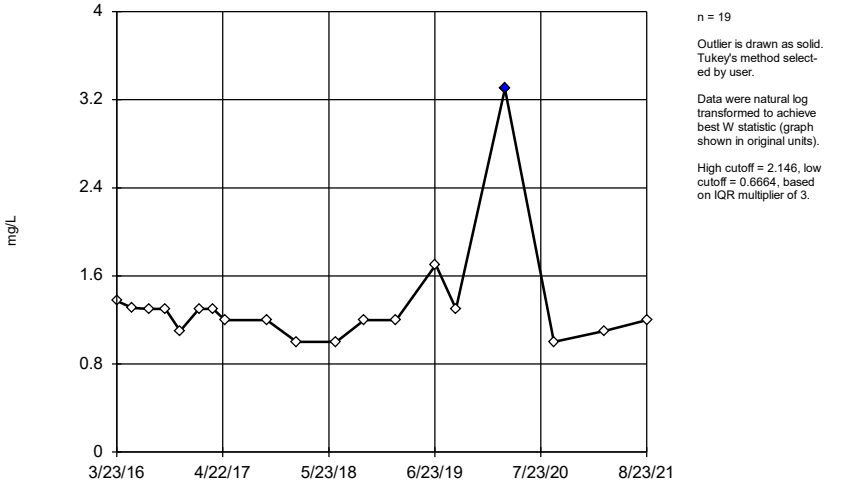
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-30



n = 19

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 2.146, low cutoff = 0.6664, based on IQR multiplier of 3.

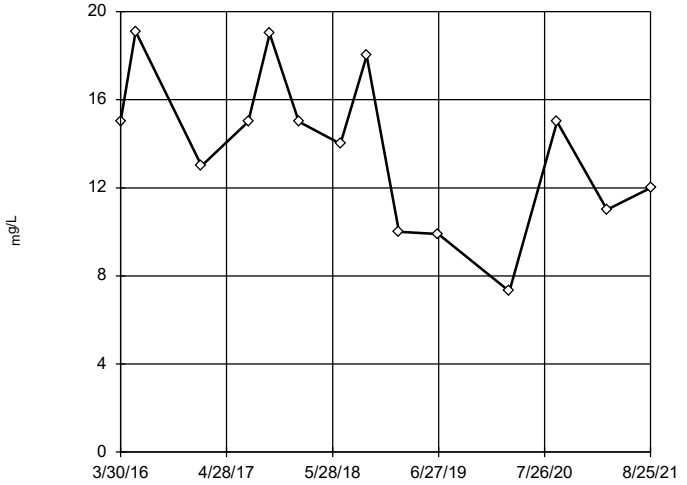
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-31



n = 14

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

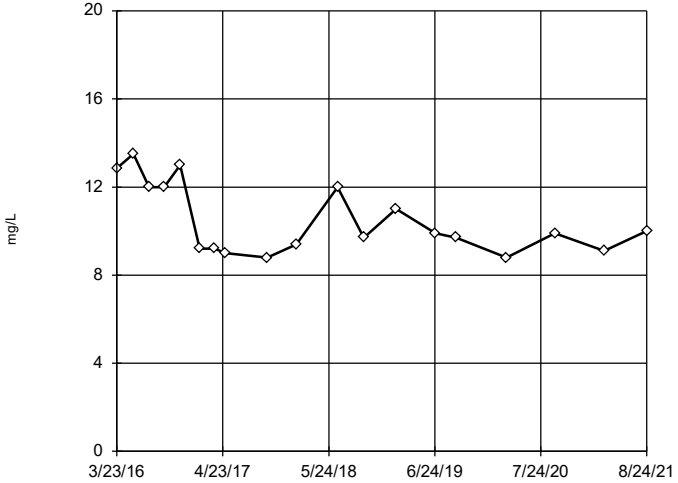
High cutoff = 34.52, low cutoff = -7.517, based on IQR multiplier of 3.

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-32



n = 19

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 26.63, low cutoff = 4.146, based on IQR multiplier of 3.

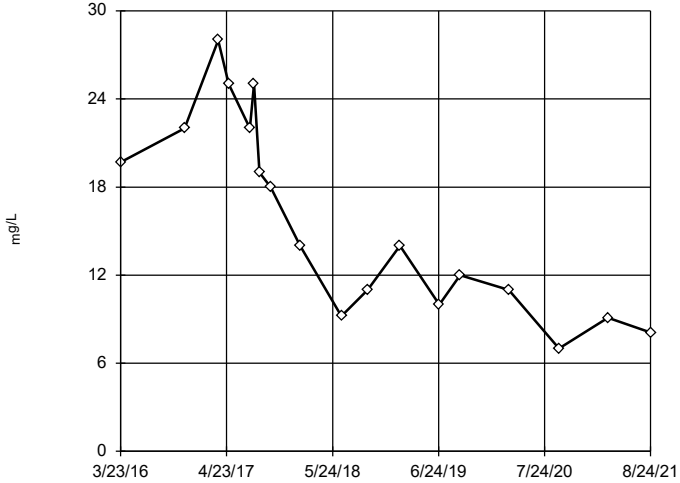
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-33



n = 18

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 265.5, low cutoff = 0.7949, based on IQR multiplier of 3.

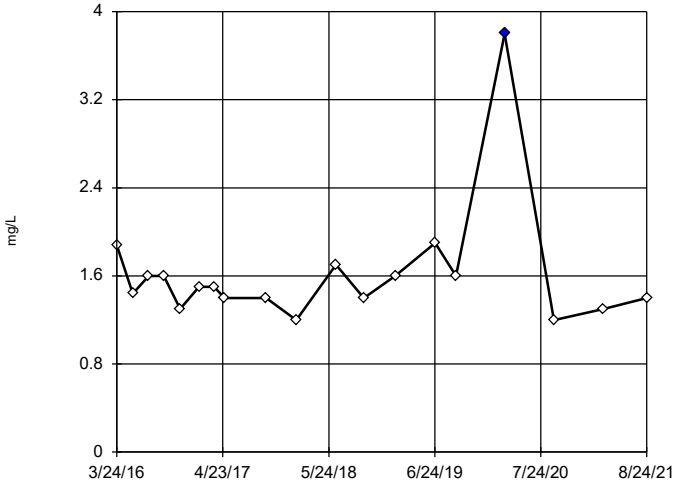
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-34



n = 19

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 2.388, low cutoff = 0.9379, based on IQR multiplier of 3.

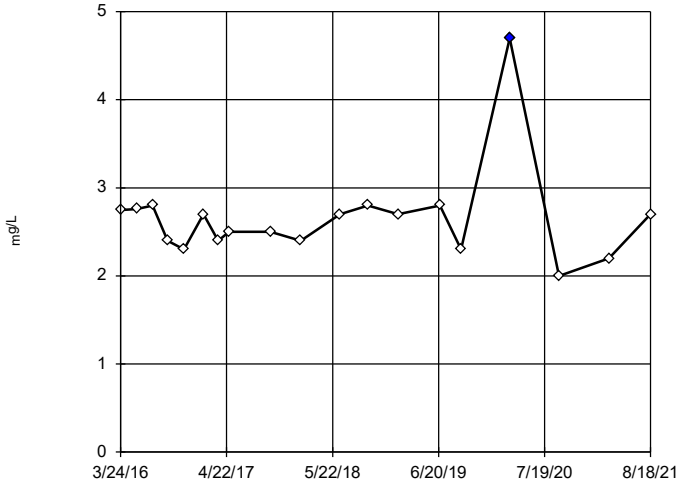
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-35



n = 19

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

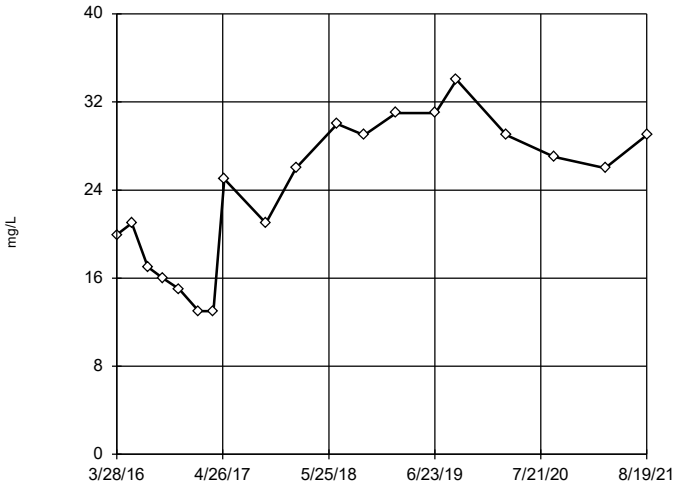
High cutoff = 4.198, low cutoff = 1.578, based on IQR multiplier of 3.

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-5



n = 19

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

High cutoff = 49.97, low cutoff = -36.97, based on IQR multiplier of 3.

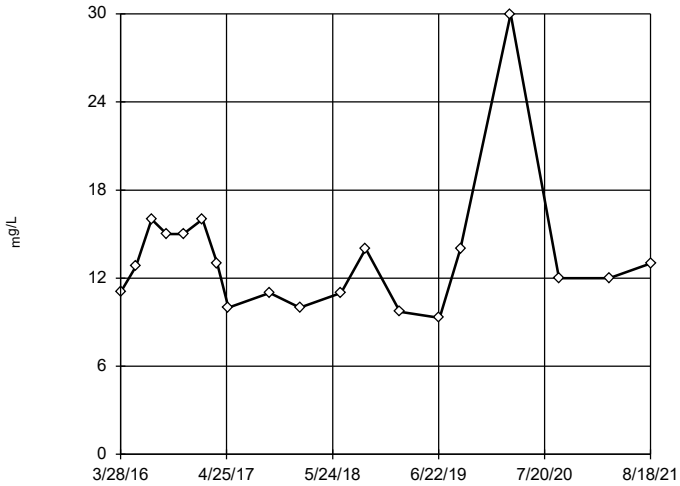
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-6



n = 19

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 38.04, low cutoff = 4.338, based on IQR multiplier of 3.

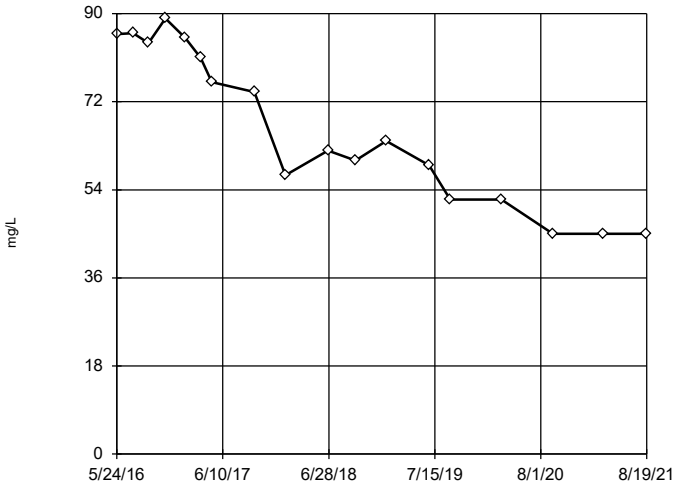
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-7



n = 18

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 229.1, low cutoff = 1.606, based on IQR multiplier of 3.

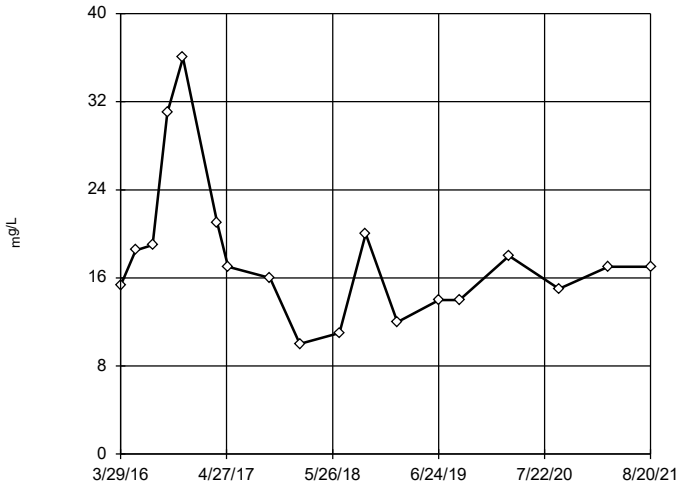
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-8



n = 18

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

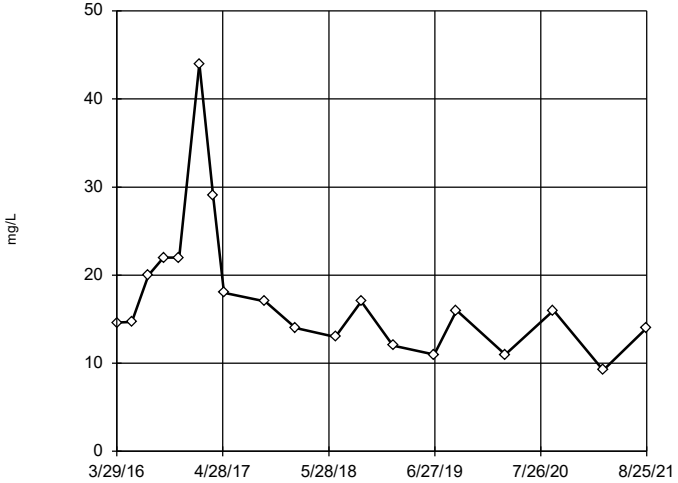
High cutoff = 52.62, low cutoff = 5.186, based on IQR multiplier of 3.

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-9



n = 19

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 72.83, low cutoff = 3.57, based on IQR multiplier of 3.

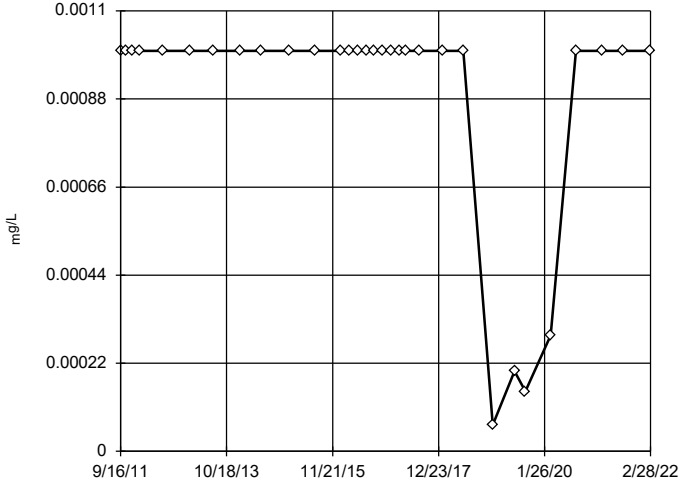
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-1 (bg)



n = 31

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

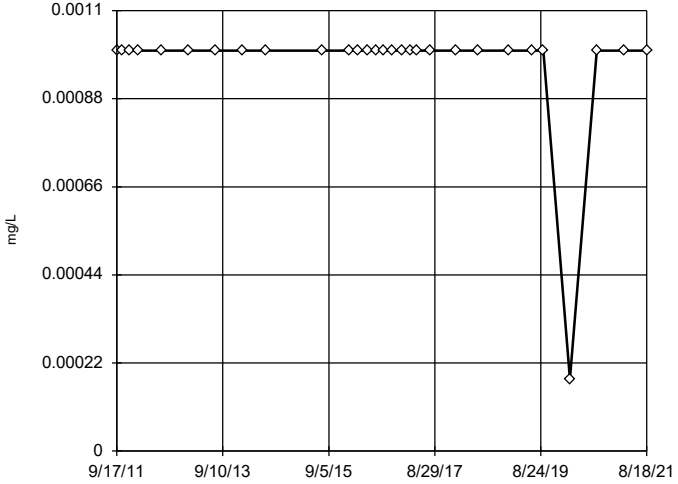
Constituent: Thallium Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-2 (bg)



n = 29

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

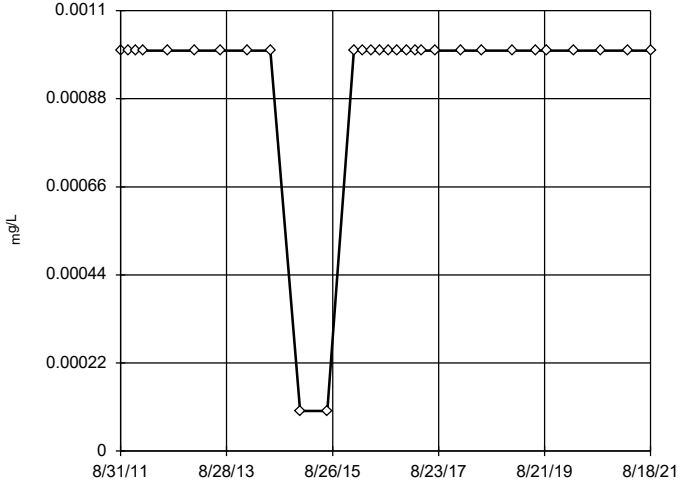
Constituent: Thallium Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-4 (bg)



n = 30

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

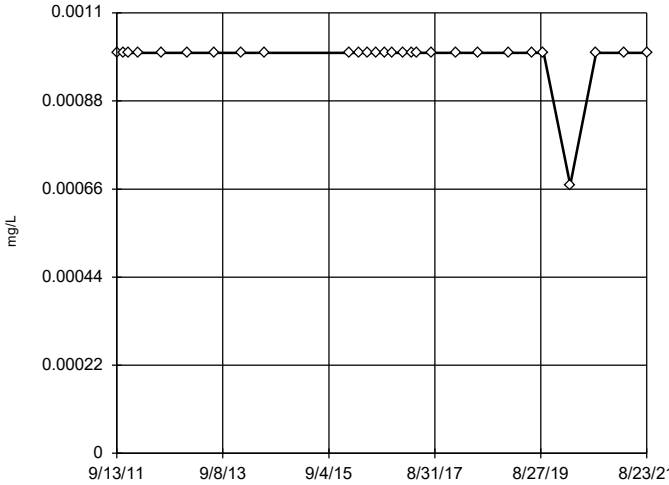
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Thallium Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-11



n = 28

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

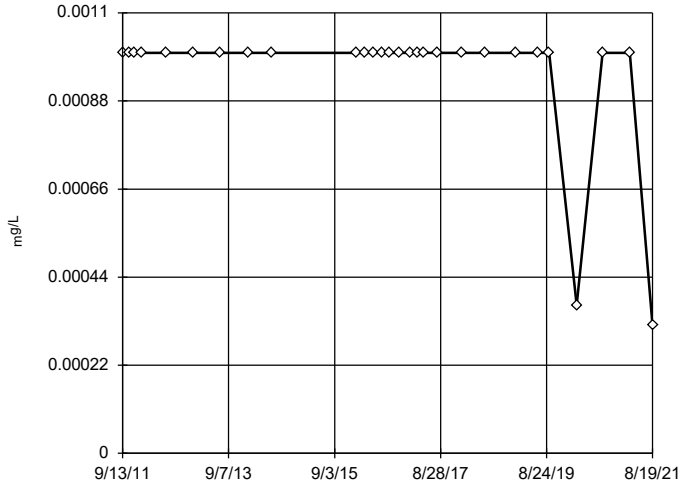
Constituent: Thallium Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-12



n = 28

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

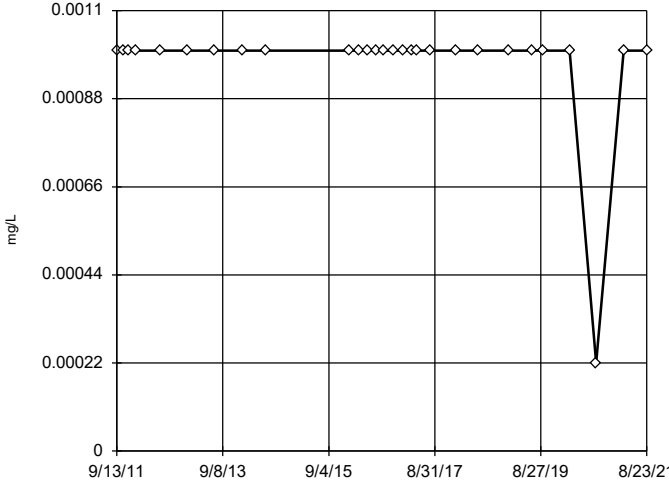
Constituent: Thallium Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-13



n = 28

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

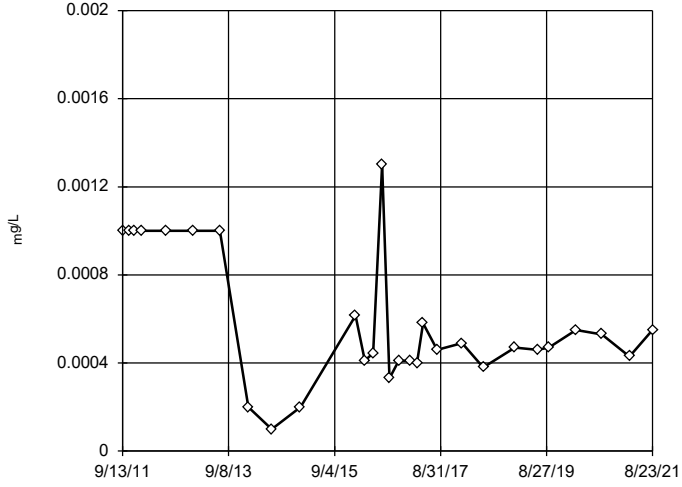
Constituent: Thallium Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-14



n = 29

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

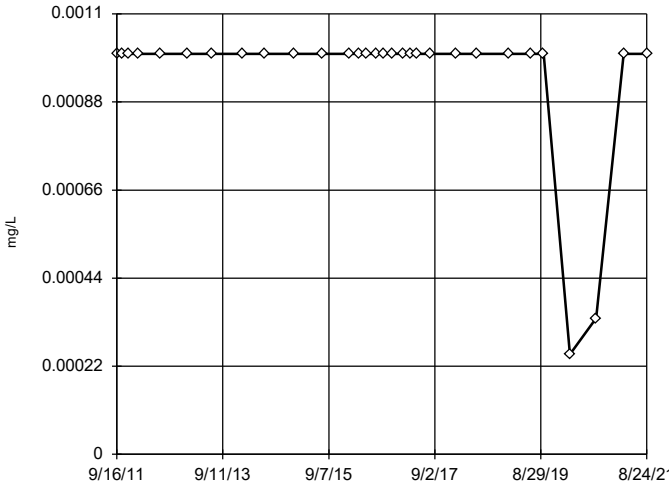
High cutoff = 0.005558, low cutoff = -2.3e-8, based on IQR multiplier of 3.

Constituent: Thallium Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-15



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

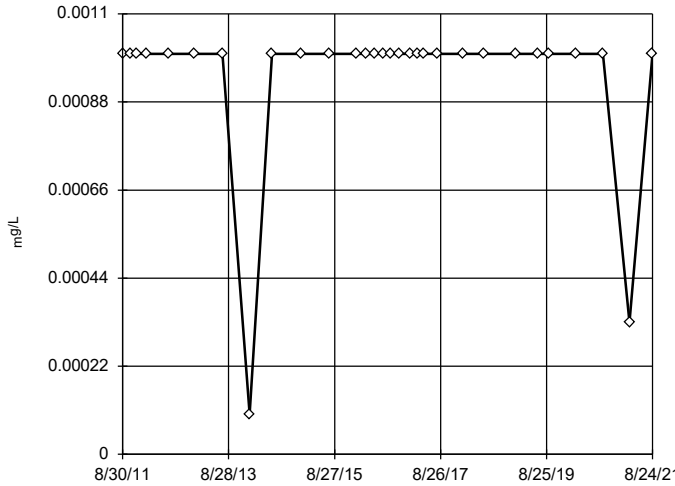
Constituent: Thallium Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-19



n = 30

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

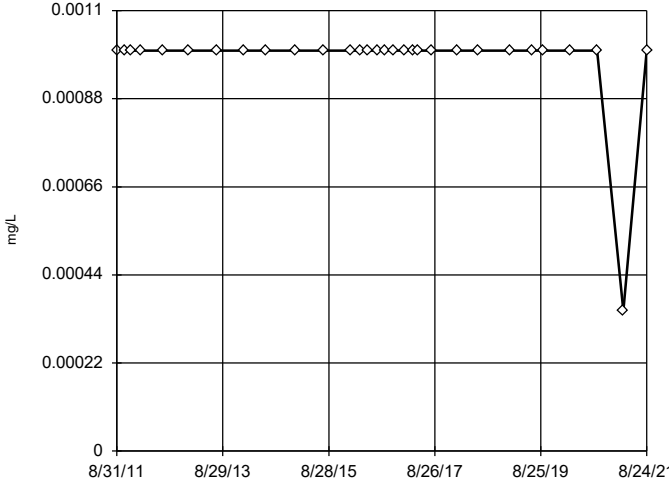
Constituent: Thallium Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-20



n = 30

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

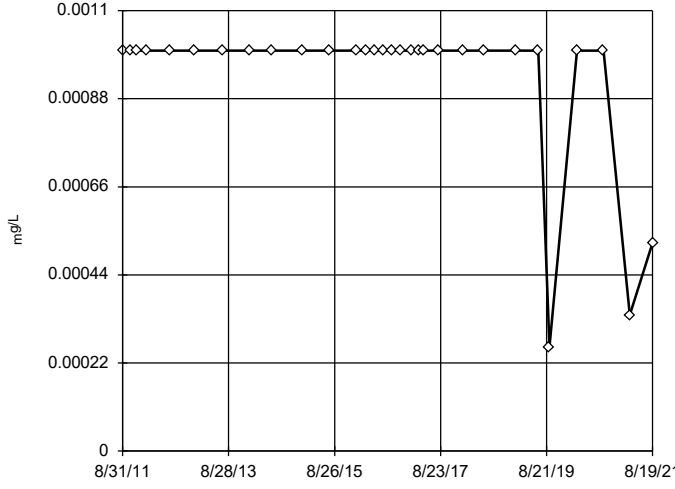
Constituent: Thallium Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-21



n = 30

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

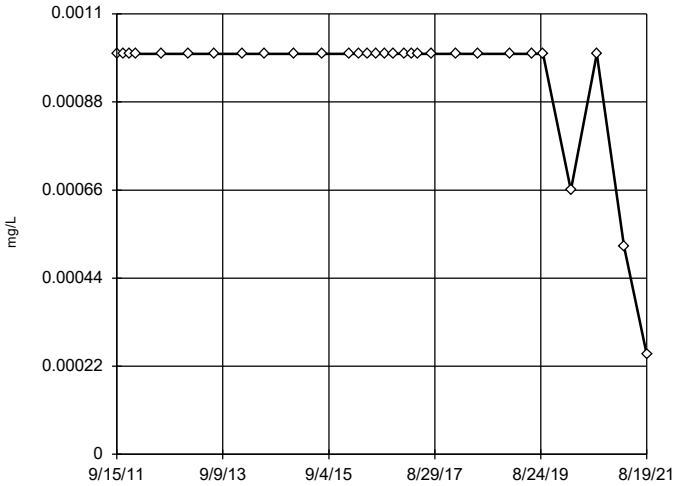
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Thallium Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-22



n = 30

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

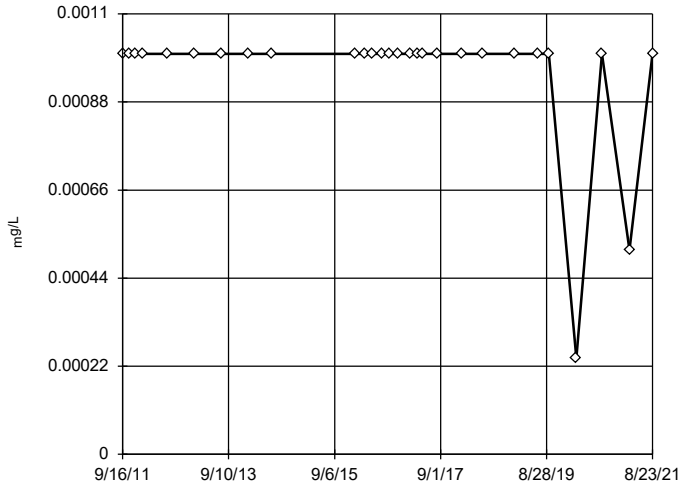
Constituent: Thallium Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-23



n = 28

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

The results were invalidated, because the lower and upper quartiles are equal.

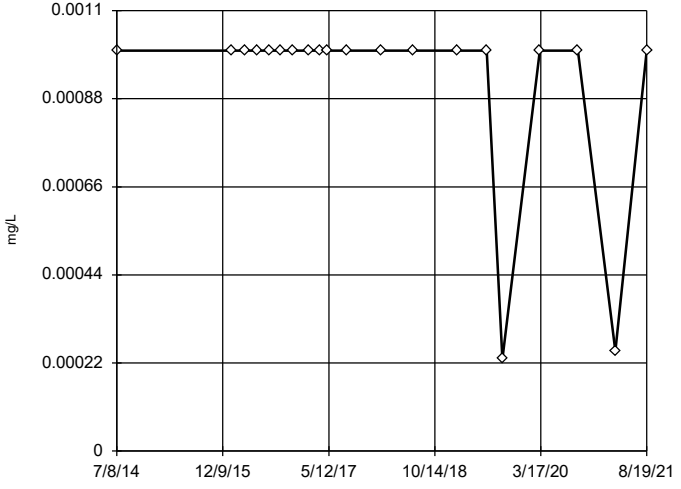
Constituent: Thallium Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-24



n = 20

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

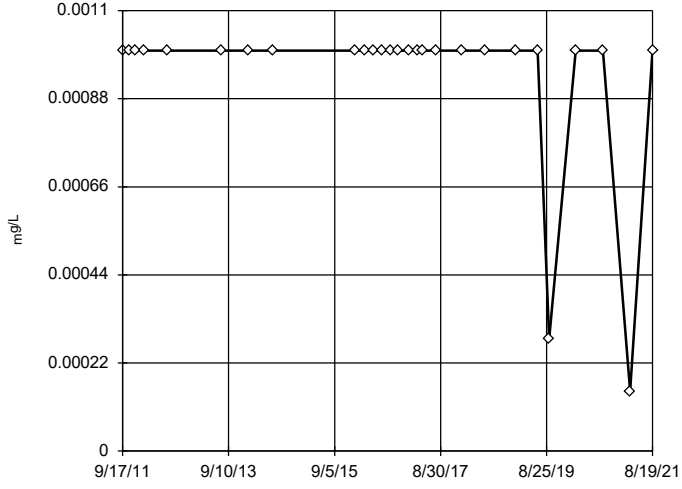
Constituent: Thallium Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-25



n = 27

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

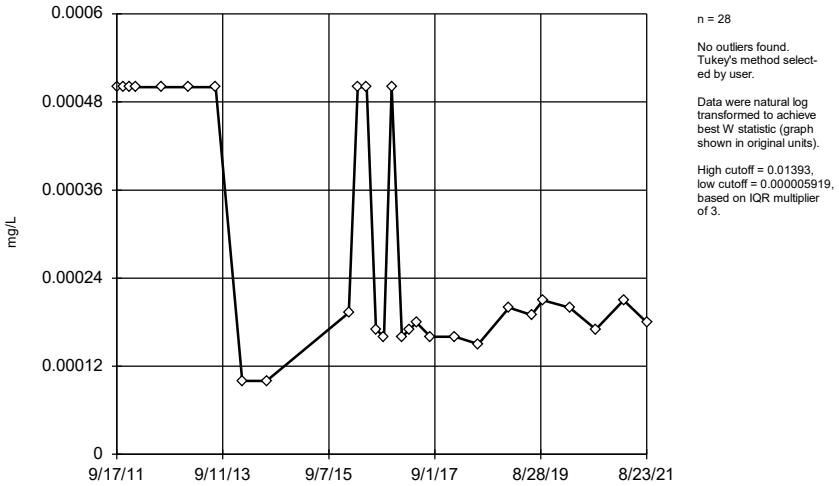
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Thallium Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-27



n = 28

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.01393, low cutoff = 0.000005919, based on IQR multiplier of 3.

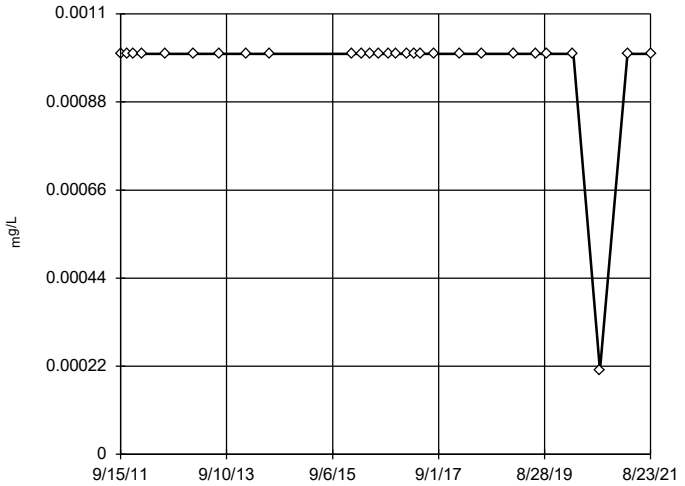
Constituent: Thallium Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-30



n = 28

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

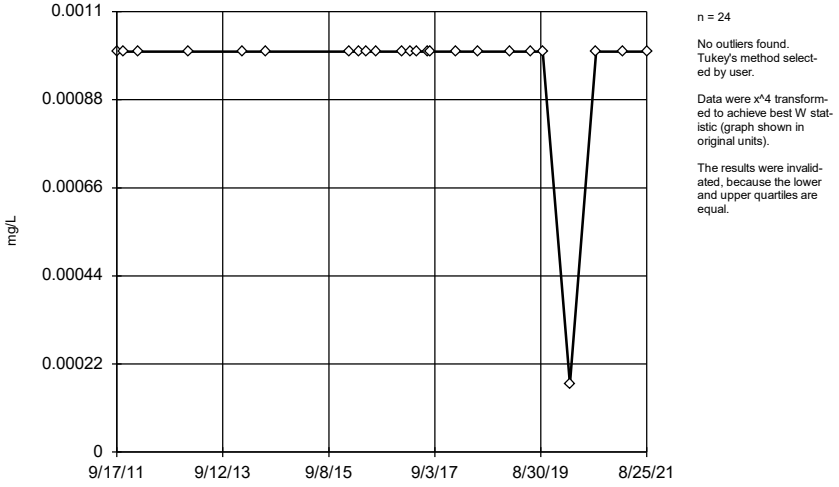
Constituent: Thallium Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-31



n = 24

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

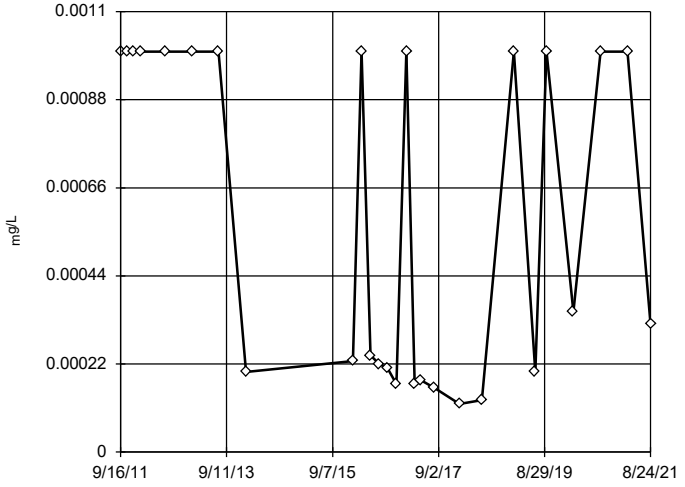
Constituent: Thallium Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-33



n = 27

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

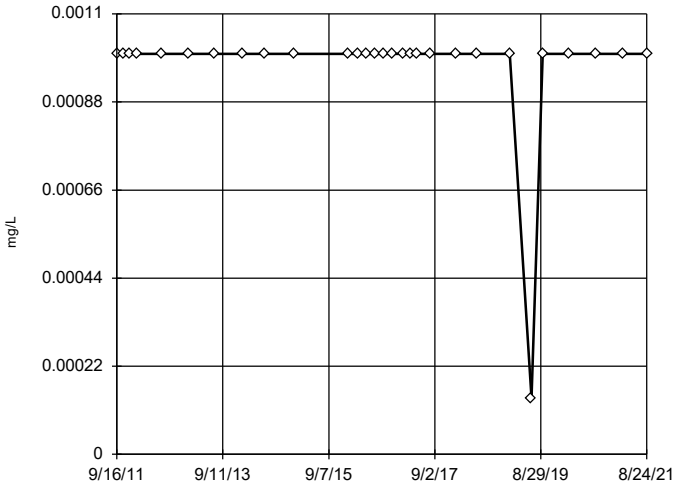
High cutoff = 0.125, low cutoff = 0.0000016, based on IQR multiplier of 3.

Constituent: Thallium Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-34



n = 29

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

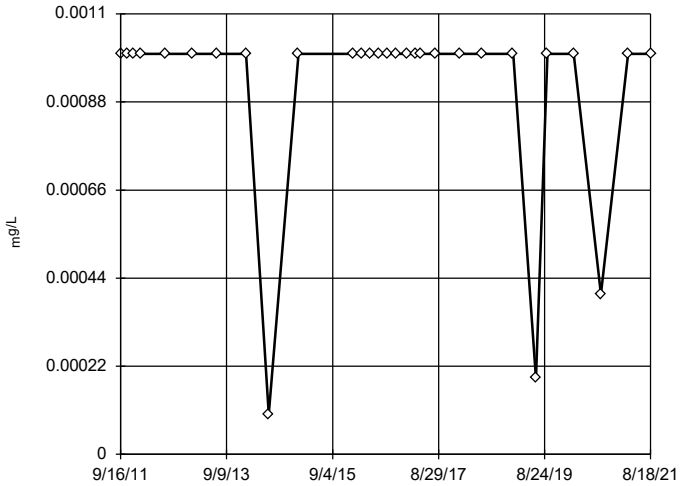
Constituent: Thallium Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-35



n = 29

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

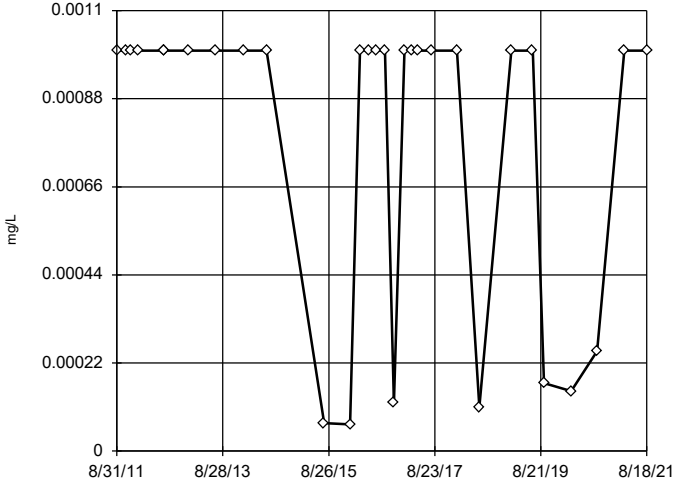
Constituent: Thallium Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-6



n = 30

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.008, low cutoff = 0.0000625, based on IQR multiplier of 3.

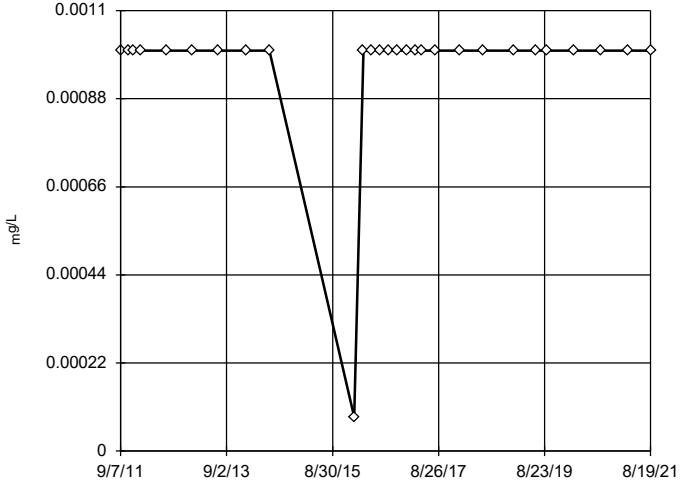
Constituent: Thallium Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-7



n = 28

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

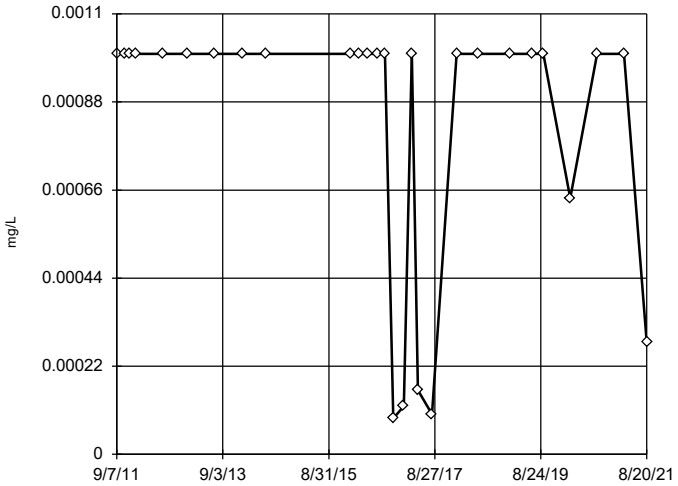
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Thallium Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-8



n = 28

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

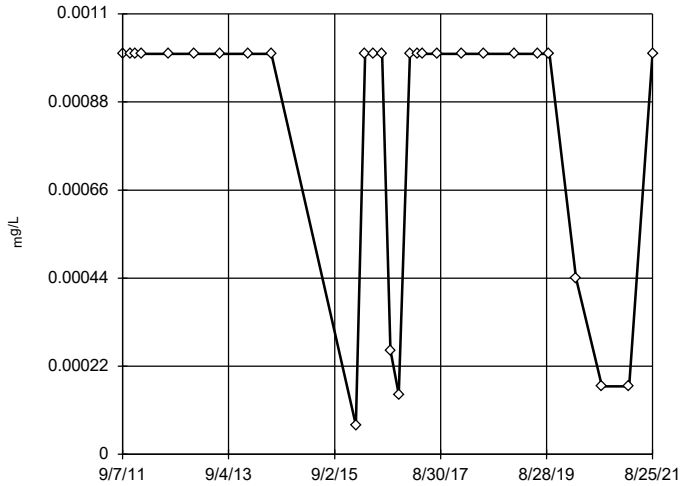
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Thallium Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-9



n = 28

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

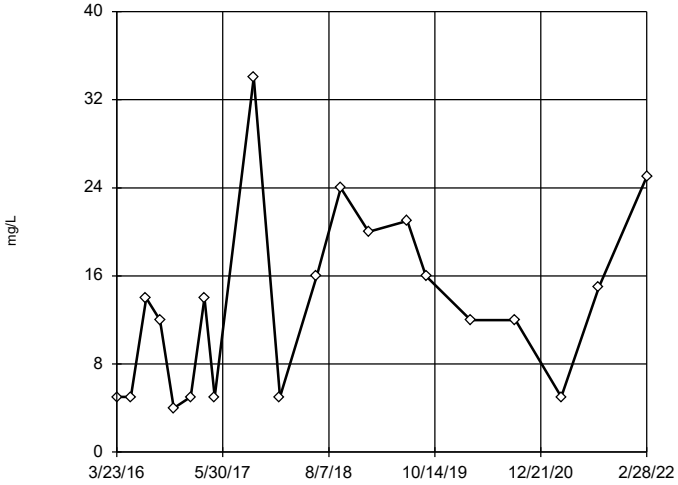
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Thallium Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-1 (bg)



n = 20

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

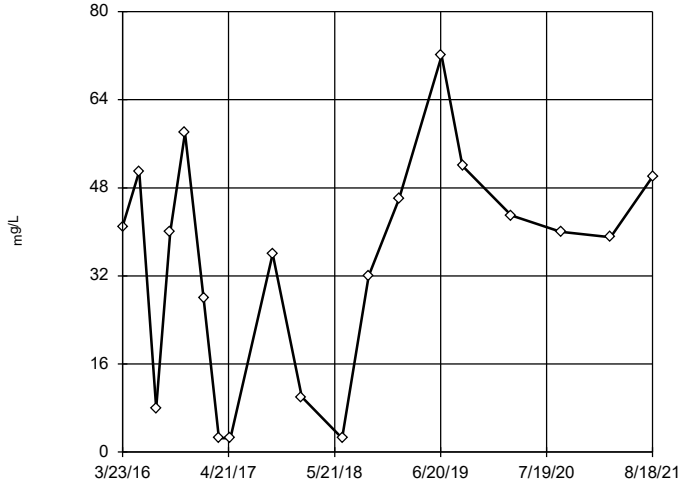
High cutoff = 104.8, low cutoff = -14.17, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All We
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-2 (bg)



n = 19

No outliers found. Tukey's method selected by user.

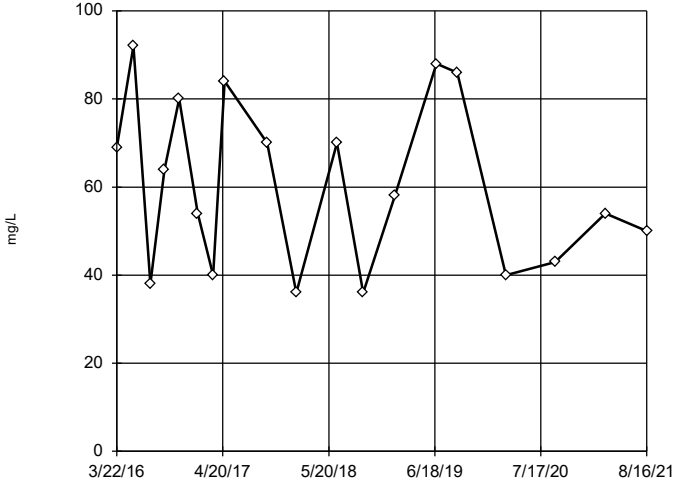
Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 170, low cutoff = -110, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:27 AM View: Outlier Testing - All We
Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWA-28 (bg)



n = 19

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

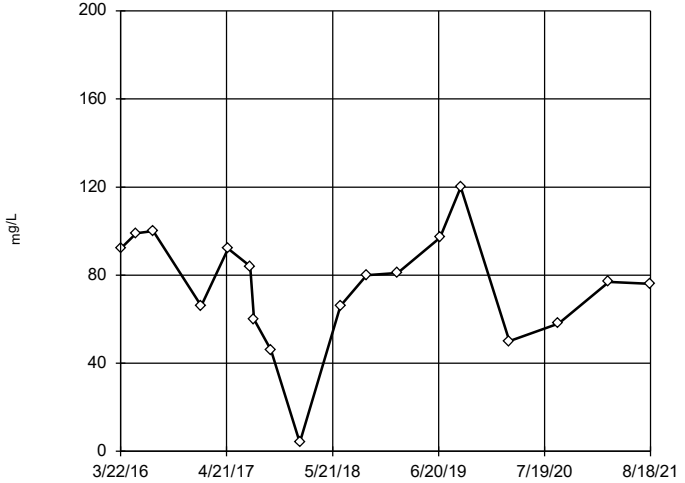
High cutoff = 282.4, low cutoff = -2.355, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All We
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-29 (bg)



n = 18

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

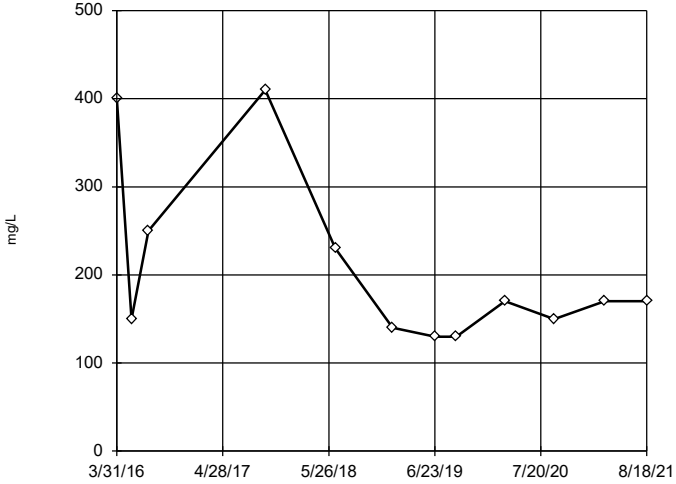
High cutoff = 159.1, low cutoff = -113.5, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All We
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-3 (bg)



n = 12

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

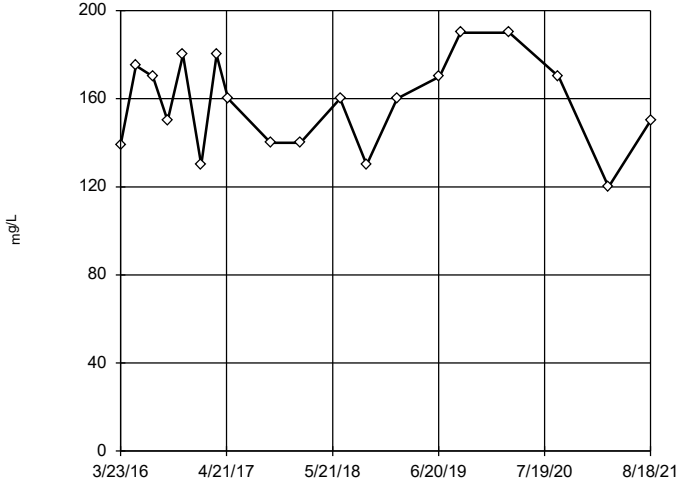
High cutoff = 1086, low cutoff = 31.98, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All We
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-4 (bg)



n = 19

No outliers found. Tukey's method selected by user.

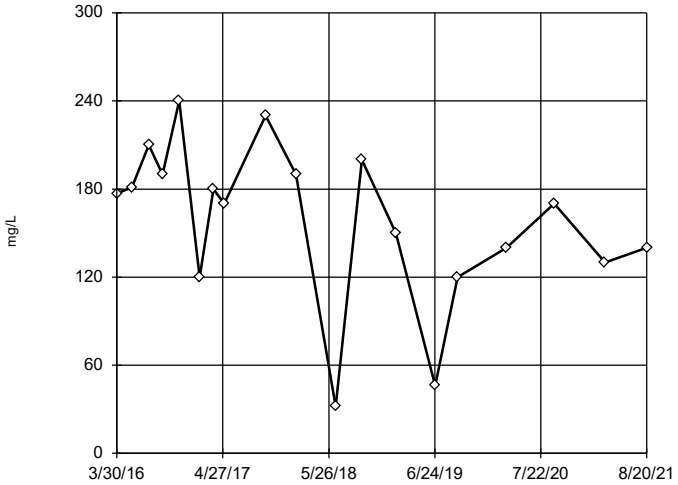
Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 280, low cutoff = 35, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All We
Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-10



n = 19

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

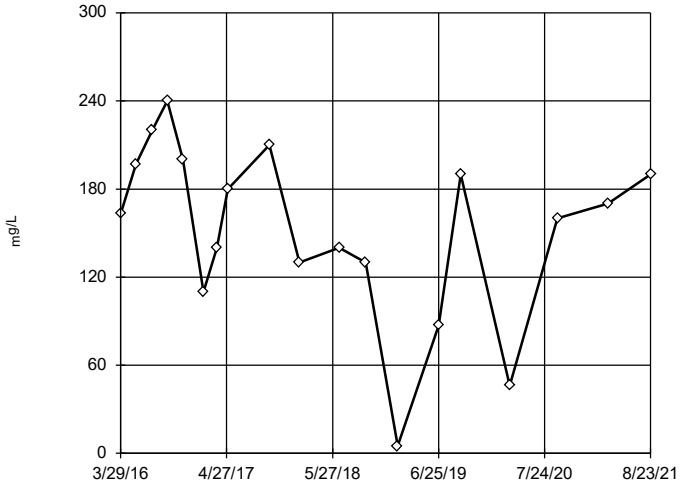
High cutoff = 306.1, low cutoff = -201.7, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All We
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-11



n = 19

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

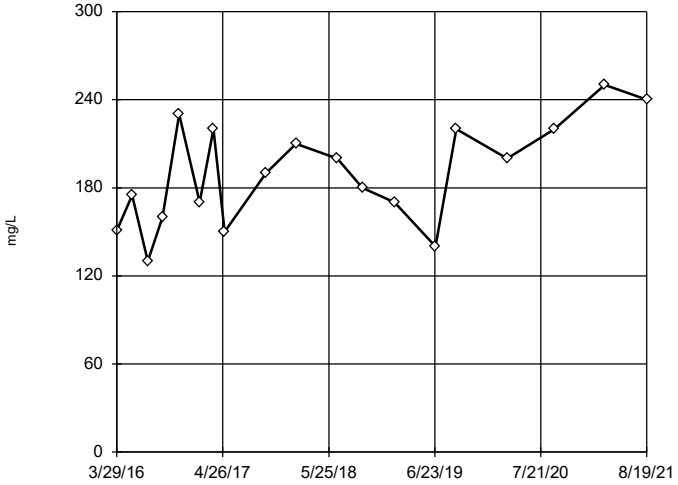
High cutoff = 323.3, low cutoff = -221, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All We
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-12



n = 19

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

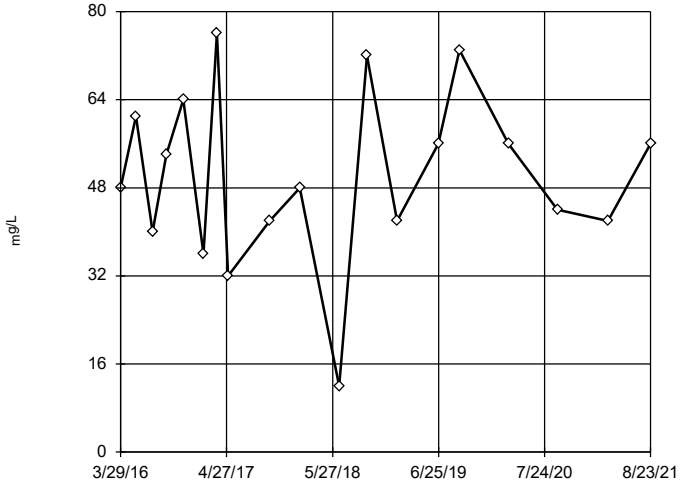
High cutoff = 400, low cutoff = -20, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All We
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-13



n = 19

No outliers found. Tukey's method selected by user.

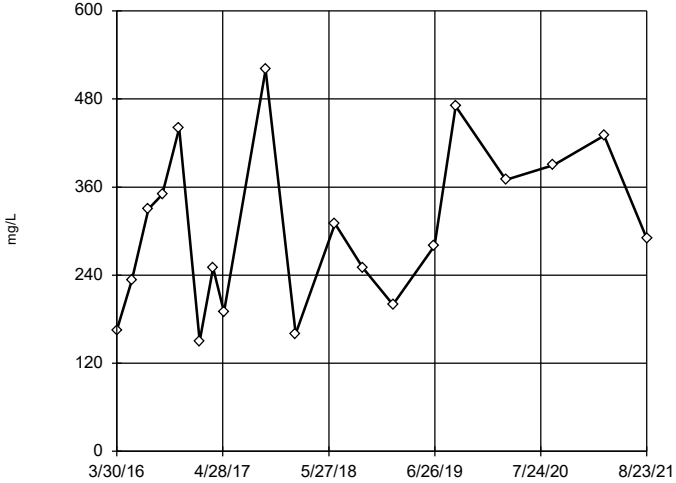
Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 118, low cutoff = -15, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All We
Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-14



n = 19

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

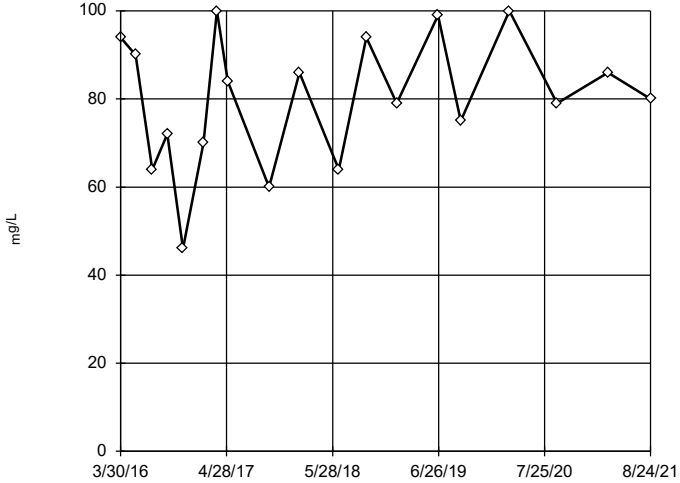
High cutoff = 1337, low cutoff = -7.165, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All We
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-15



n = 19

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

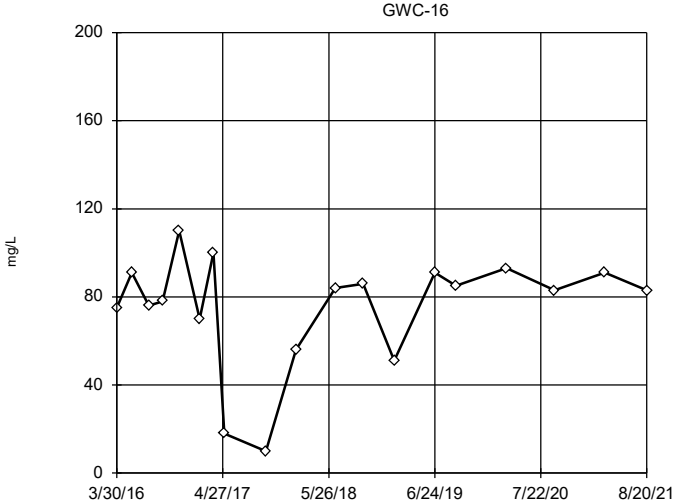
High cutoff = 143.7, low cutoff = -83.11, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All We
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-16



n = 19

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

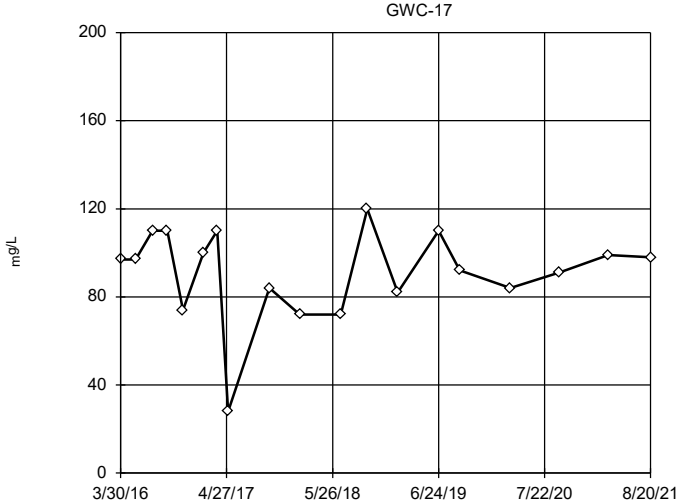
High cutoff = 125.7, low cutoff = -96.14, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All We
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-17



n = 19

No outliers found. Tukey's method selected by user.

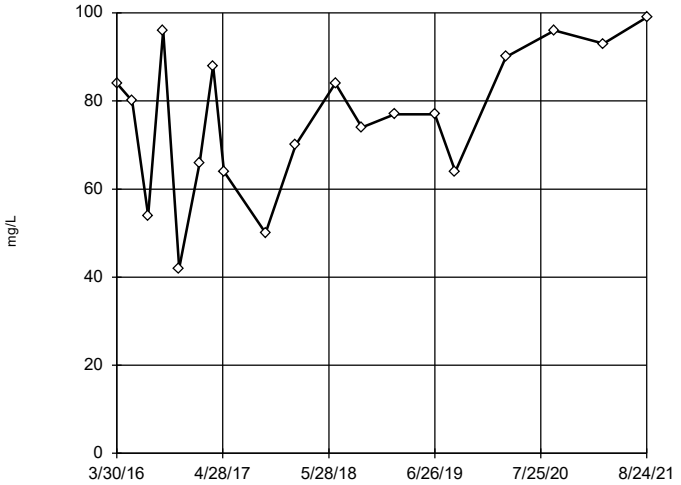
Data were cube transformed to achieve best W statistic (graph shown in original units).

High cutoff = 154.2, low cutoff = -121.4, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All We
Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-18



n = 19

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

High cutoff = 141.8, low cutoff = -88.97, based on IQR multiplier of 3.

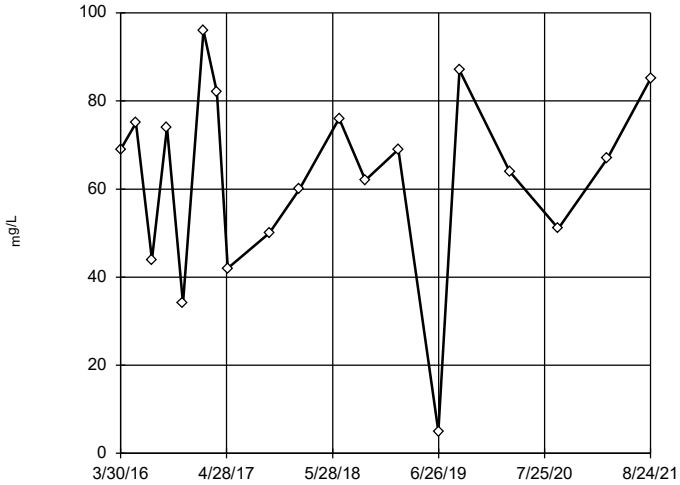
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All We

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-19



n = 19

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

High cutoff = 124.9, low cutoff = -85.6, based on IQR multiplier of 3.

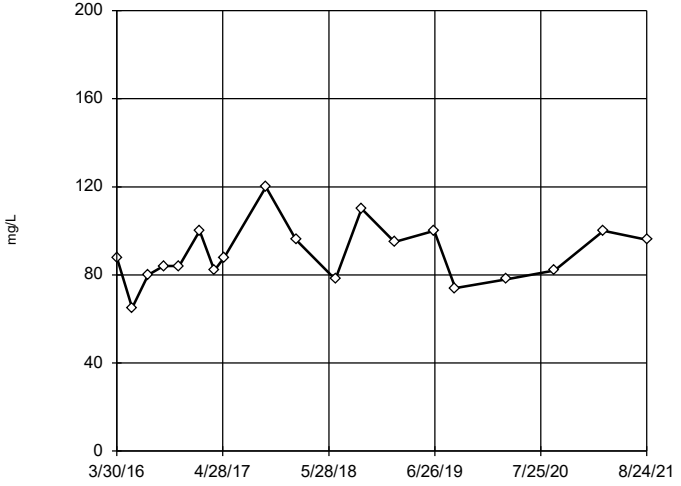
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All We

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-20



n = 19

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 195.3, low cutoff = 40.96, based on IQR multiplier of 3.

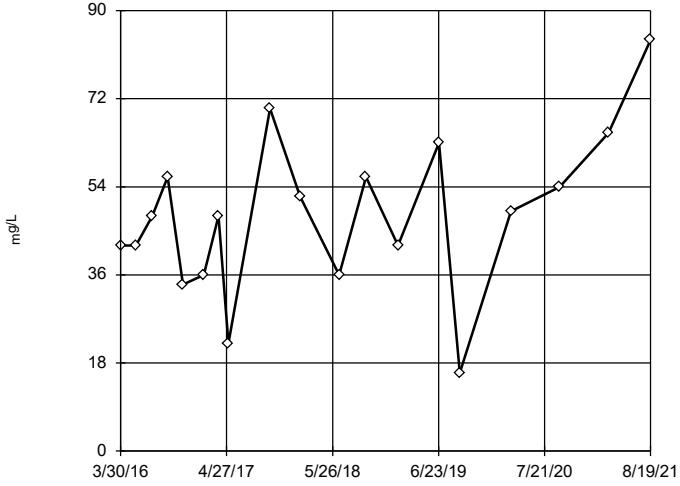
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All We

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-21



n = 19

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

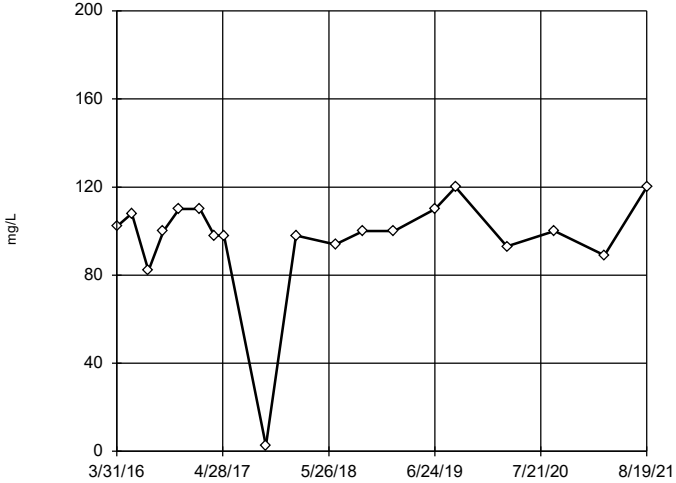
High cutoff = 116, low cutoff = -24, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All We

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-22



n = 19

No outliers found. Tukey's method selected by user.

Data were x^4 transformed to achieve best W statistic (graph shown in original units).

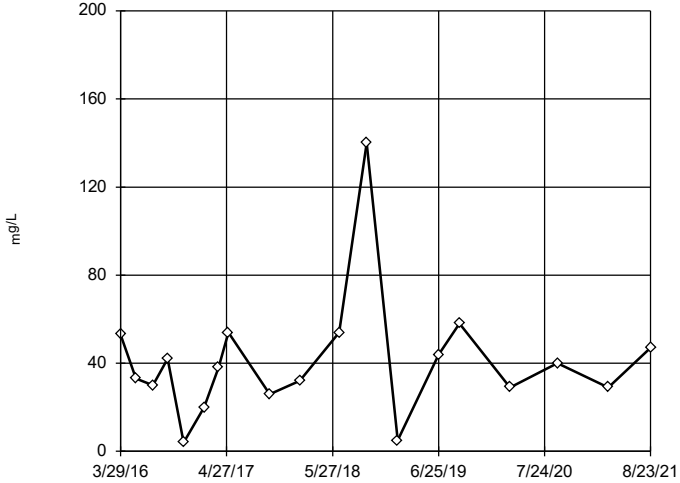
High cutoff = 136.9, low cutoff = -106.1, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All We
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-23



n = 19

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

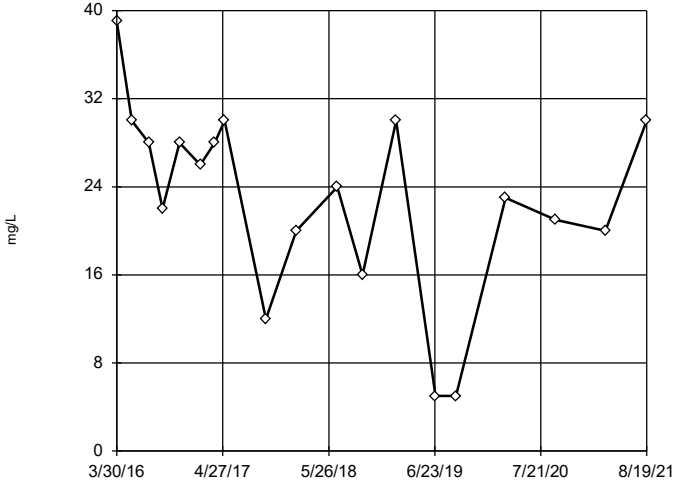
High cutoff = 195.9, low cutoff = 1.062, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All We
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-24



n = 19

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

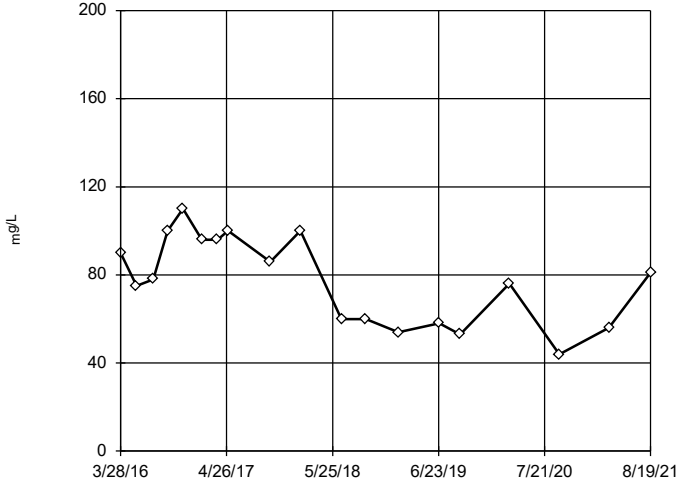
High cutoff = 48.99, low cutoff = -33.17, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All We
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-25



n = 19

No outliers found. Tukey's method selected by user.

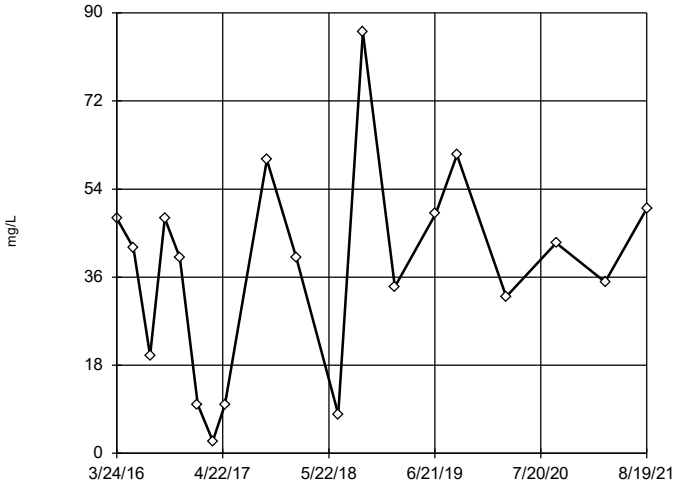
Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 210, low cutoff = -56, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All We
Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-26



n = 19

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 136, low cutoff = -67, based on IQR multiplier of 3.

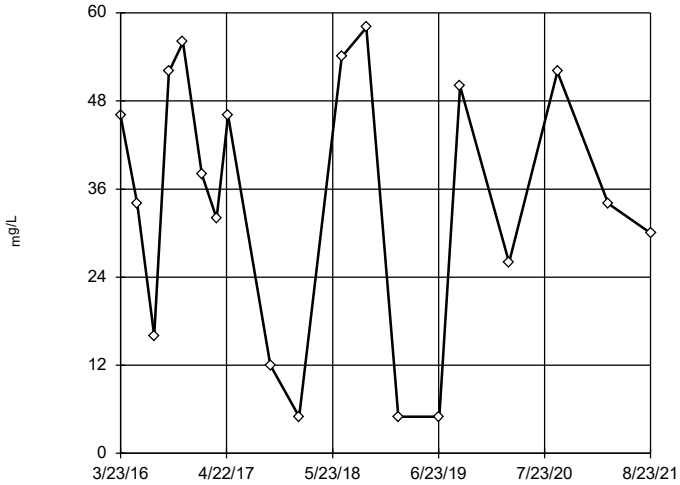
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All We

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-27



n = 19

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

High cutoff = 100.2, low cutoff = -84.19, based on IQR multiplier of 3.

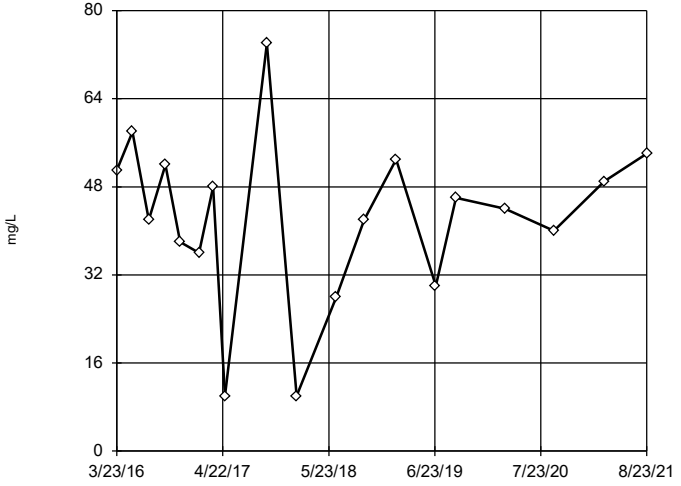
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All We

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-30



n = 19

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 100, low cutoff = -12, based on IQR multiplier of 3.

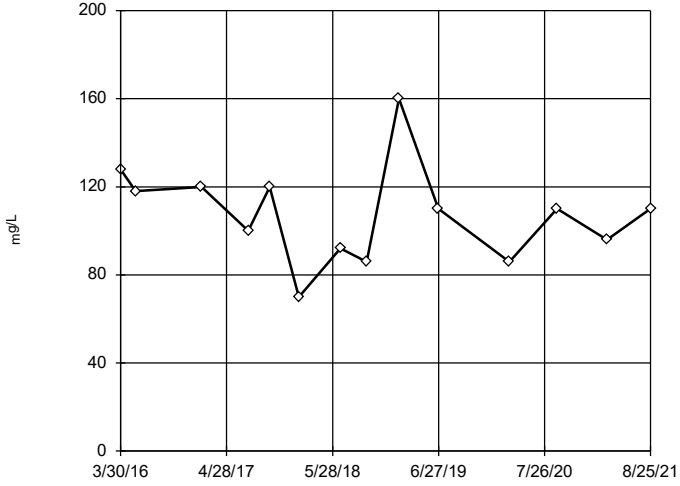
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All We

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-31



n = 14

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

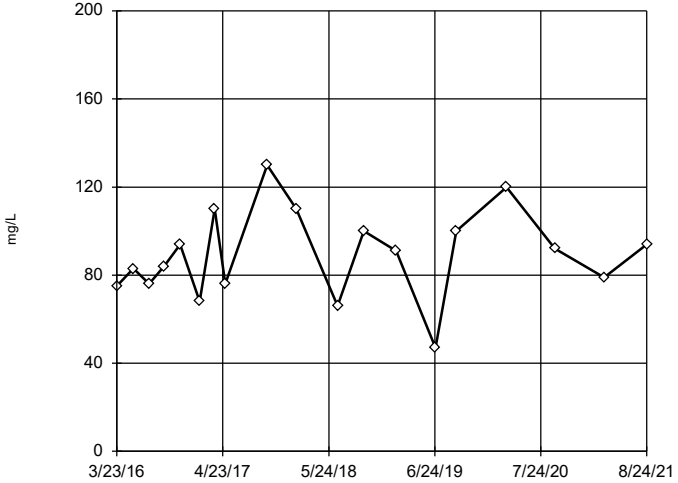
High cutoff = 294.6, low cutoff = 36.23, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All We

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-32



n = 19

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 172, low cutoff = 4, based on IQR multiplier of 3.

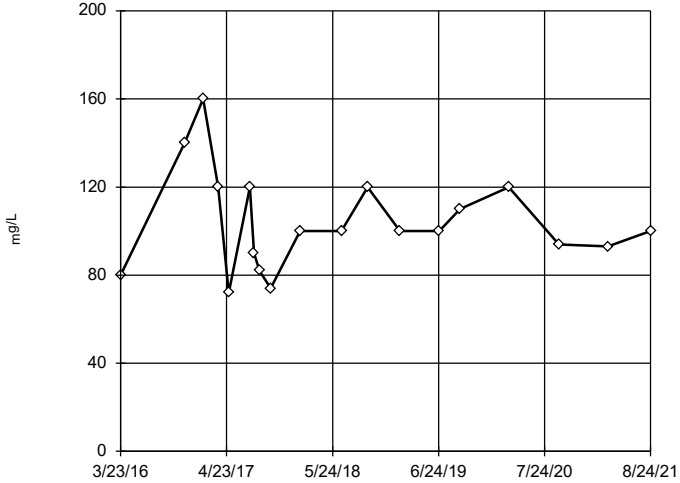
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All We

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-33



n = 19

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 284.4, low cutoff = 37.97, based on IQR multiplier of 3.

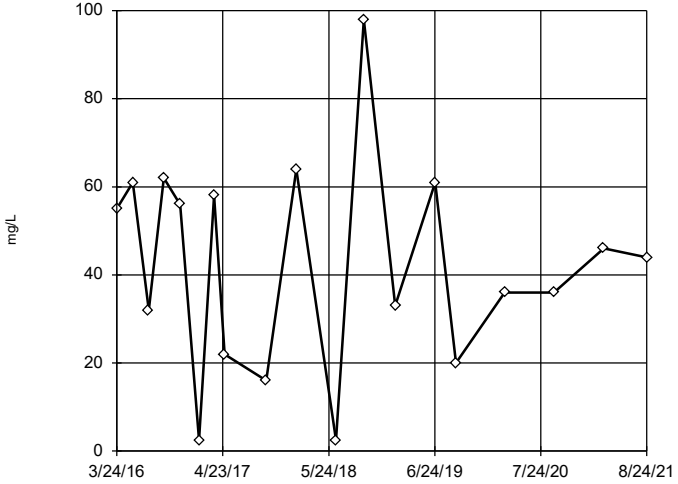
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All We

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-34



n = 19

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 178, low cutoff = -95, based on IQR multiplier of 3.

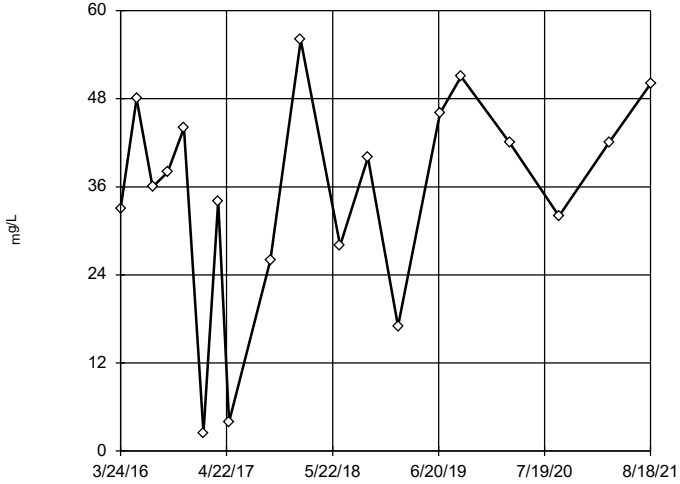
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All We

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-35



n = 19

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

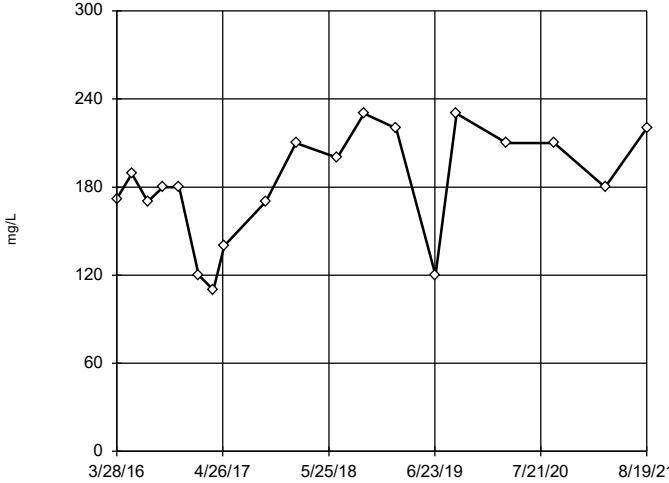
High cutoff = 78.18, low cutoff = -56.67, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All We

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-5



n = 19

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

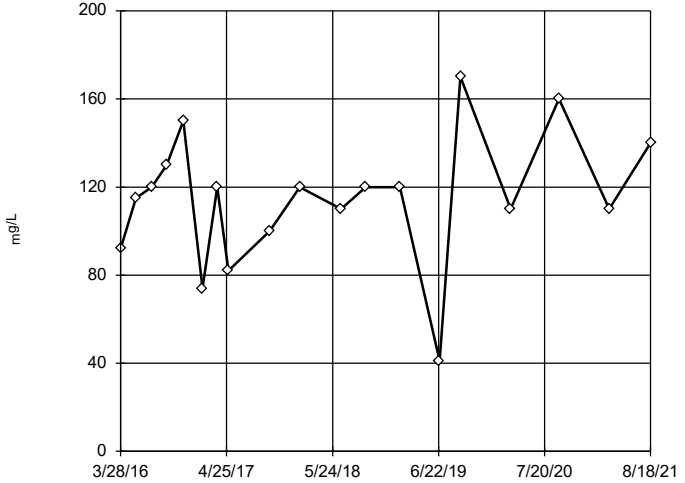
High cutoff = 281.5, low cutoff = -201.1, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All We
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-6



n = 19

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

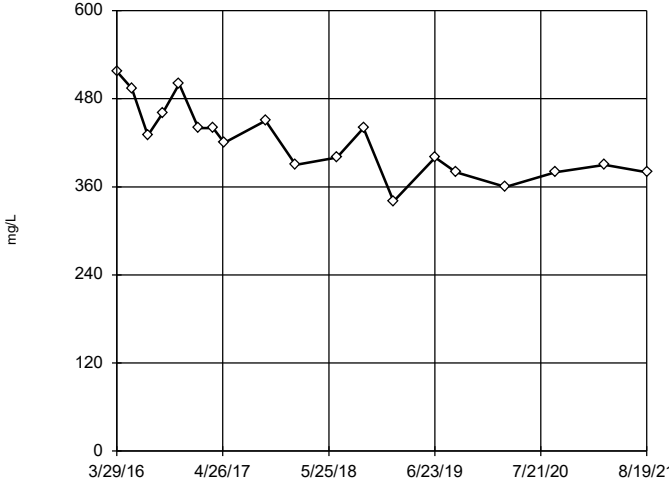
High cutoff = 220, low cutoff = 10, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All We
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-7



n = 19

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

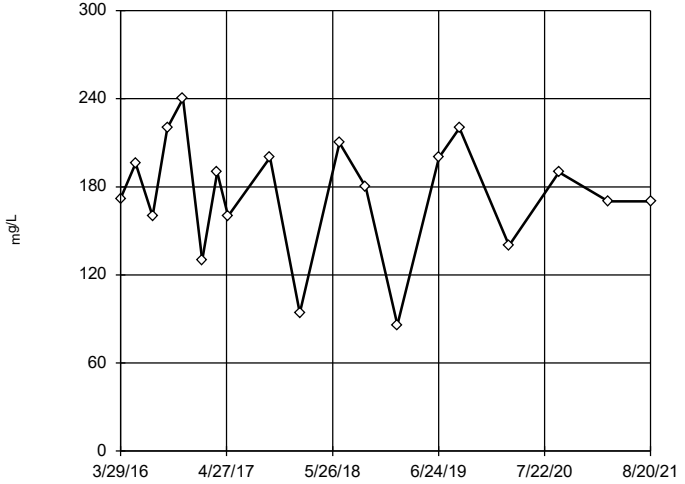
High cutoff = 747.3, low cutoff = 228.8, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All We
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-8



n = 19

No outliers found. Tukey's method selected by user.

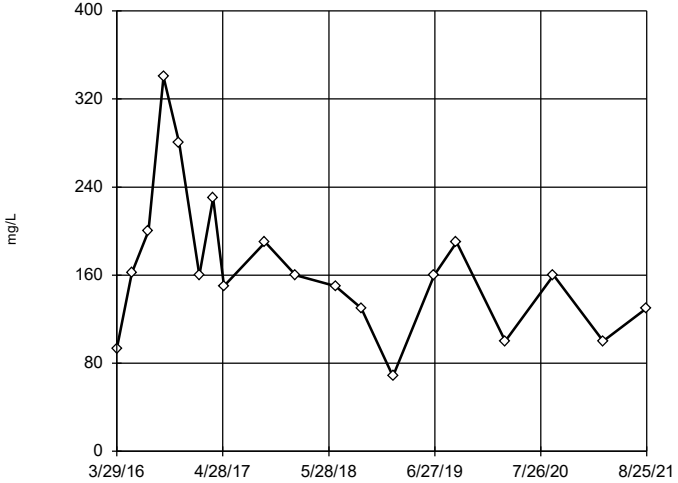
Data were square transformed to achieve best W statistic (graph shown in original units).

High cutoff = 288.4, low cutoff = -132.7, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All We
Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-9



n = 19

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

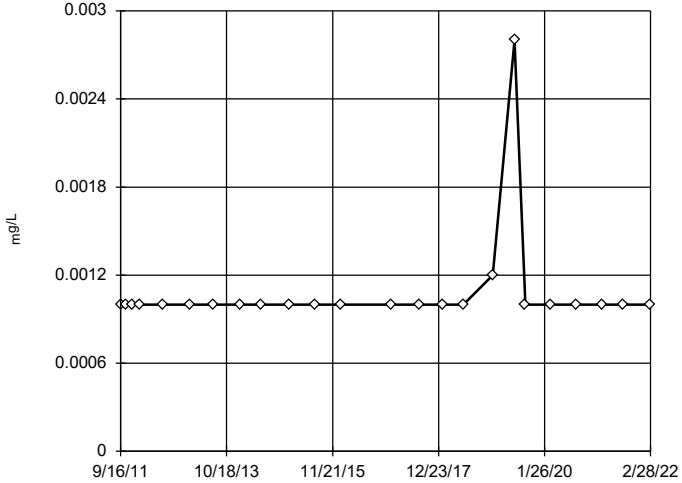
High cutoff = 593.2, low cutoff = 41.64, based on IQR multiplier of 3.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All We
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-1 (bg)



n = 24

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

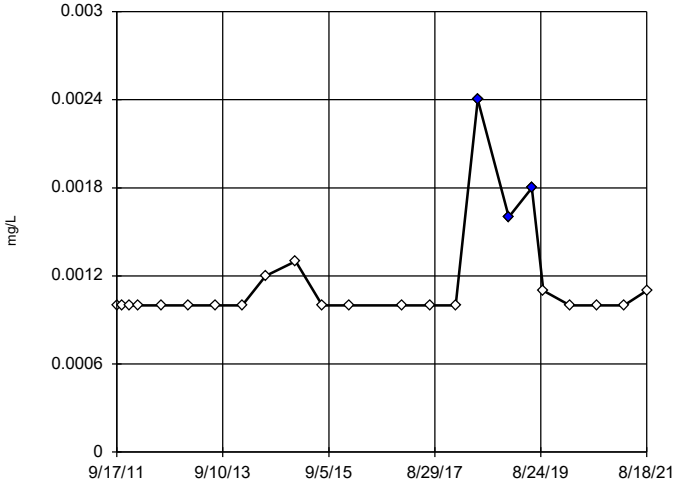
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Vanadium Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-2 (bg)



n = 23

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

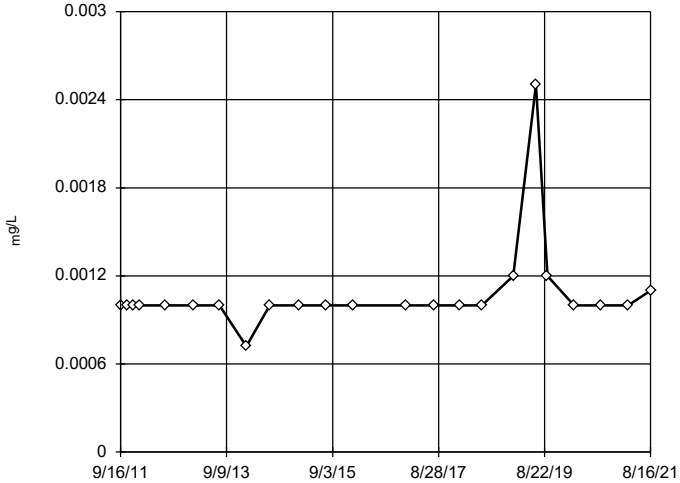
High cutoff = 0.001464, low cutoff = 0.0007513, based on IQR multiplier of 3.

Constituent: Vanadium Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-28 (bg)



n = 23

No outliers found.
Tukey's method selected by user.

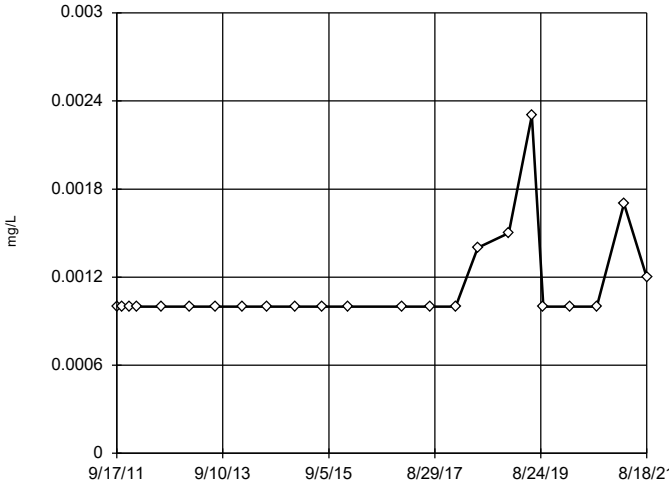
Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Vanadium Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWA-29 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

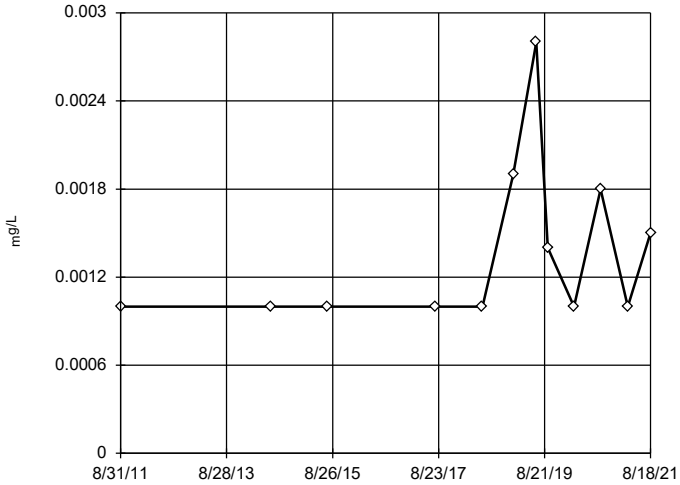
Constituent: Vanadium Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-3 (bg)



n = 12

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.00729, low cutoff = 0.0002254, based on IQR multiplier of 3.

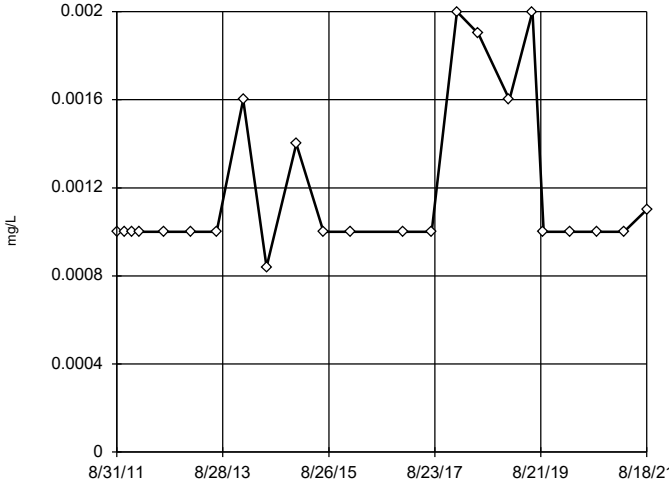
Constituent: Vanadium Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-4 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.003842, low cutoff = 0.0003644, based on IQR multiplier of 3.

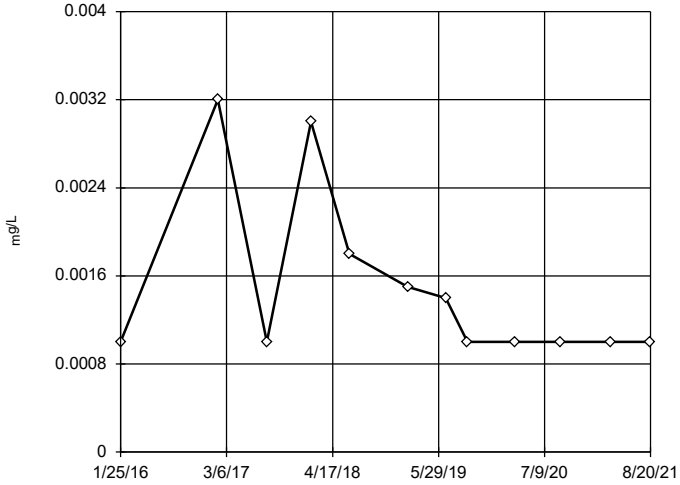
Constituent: Vanadium Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-10



n = 12

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

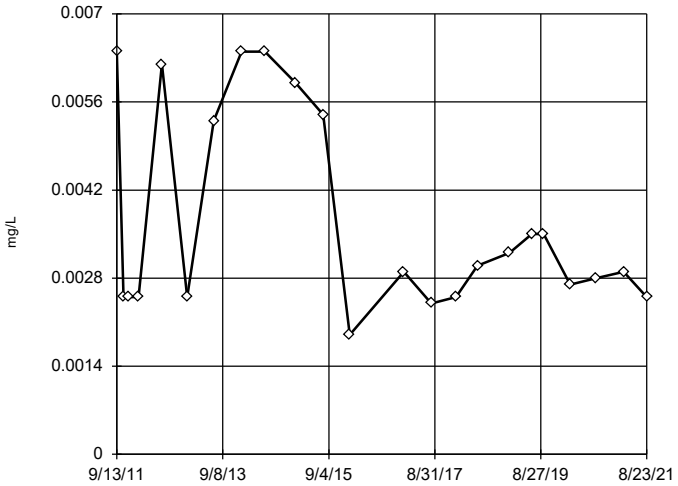
High cutoff = 0.00729, low cutoff = 0.0002254, based on IQR multiplier of 3.

Constituent: Vanadium Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-11



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.05442, low cutoff = 0.0002481, based on IQR multiplier of 3.

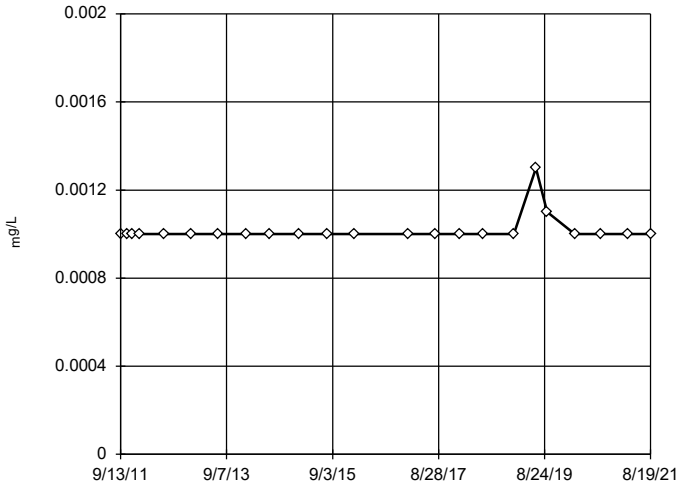
Constituent: Vanadium Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-12



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

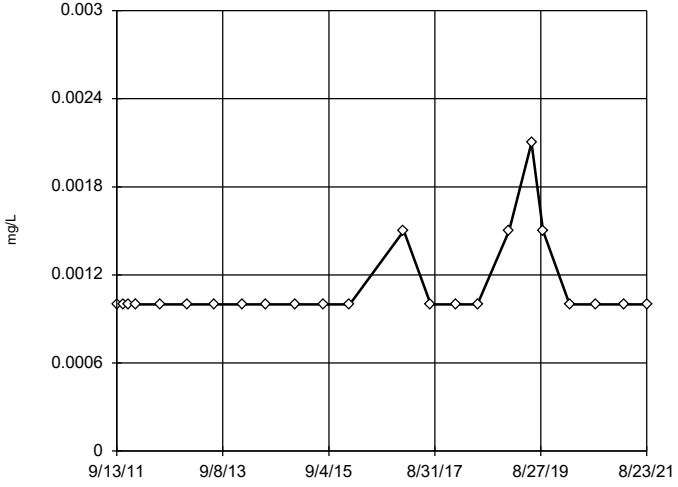
Constituent: Vanadium Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-13



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

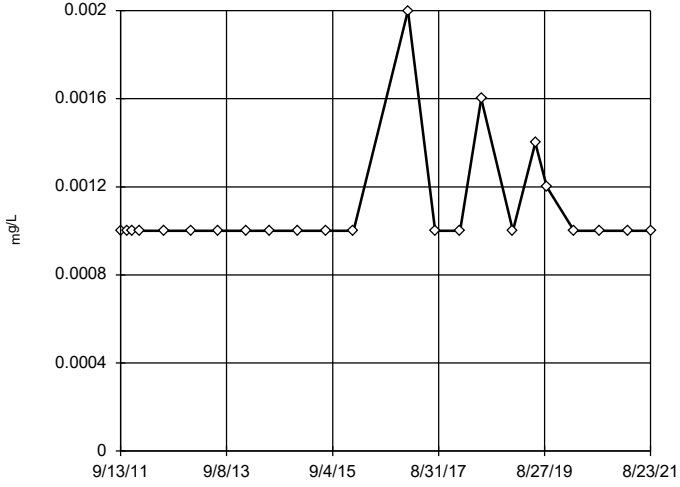
Constituent: Vanadium Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-14



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

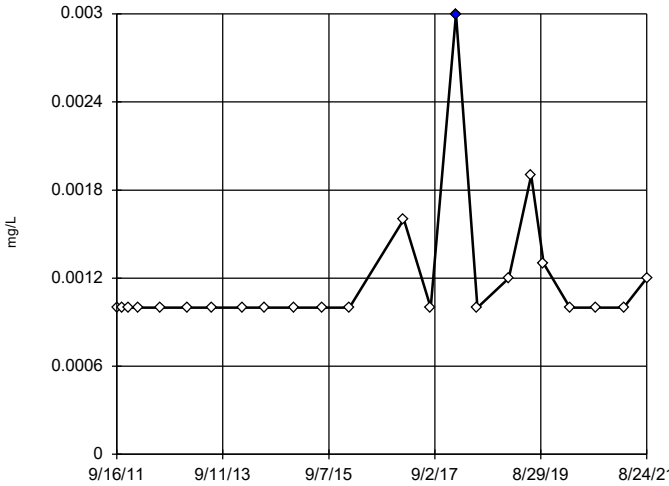
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Vanadium Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-15



n = 23

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.002074, low cutoff = 0.0005787, based on IQR multiplier of 3.

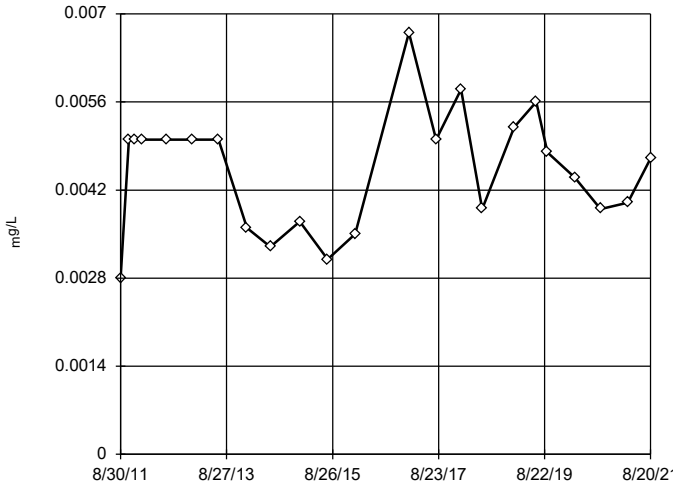
Constituent: Vanadium Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-16



n = 23

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.01007, low cutoff = 0.0009721, based on IQR multiplier of 3.

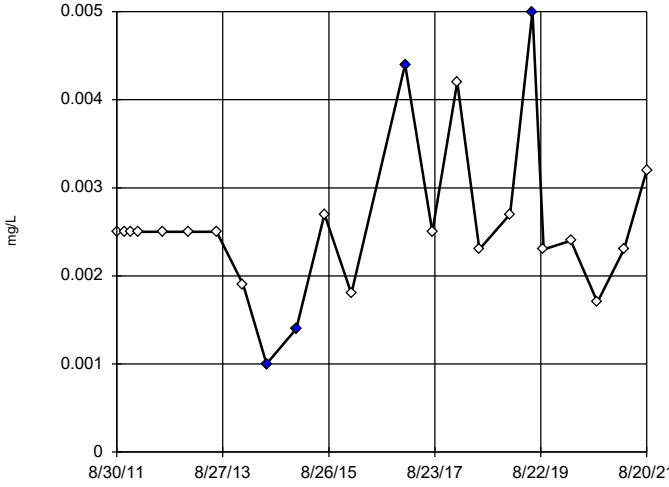
Constituent: Vanadium Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-17



n = 23

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.004368, low cutoff = 0.001422, based on IQR multiplier of 3.

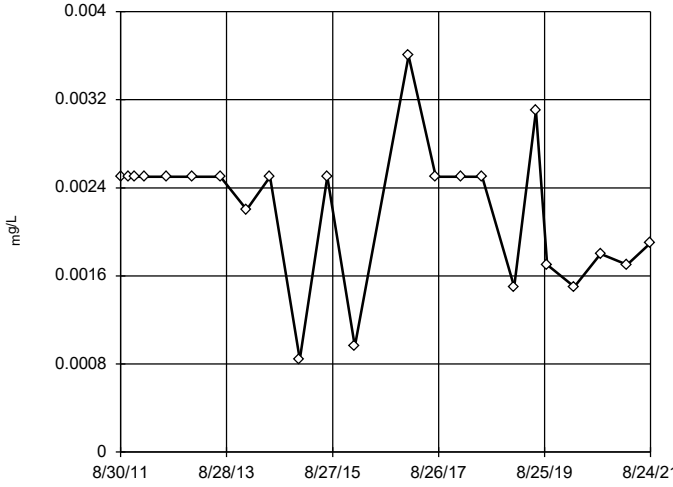
Constituent: Vanadium Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-18



n = 23

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

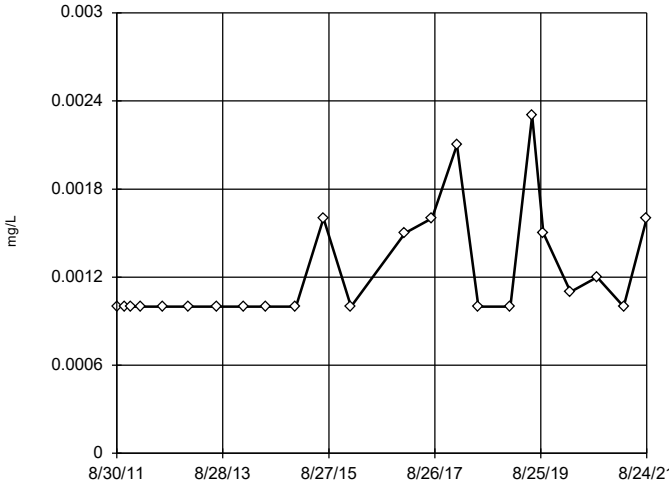
High cutoff = 0.0049, low cutoff = -0.0007, based on IQR multiplier of 3.

Constituent: Vanadium Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-19



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.005062, low cutoff = 0.0002963, based on IQR multiplier of 3.

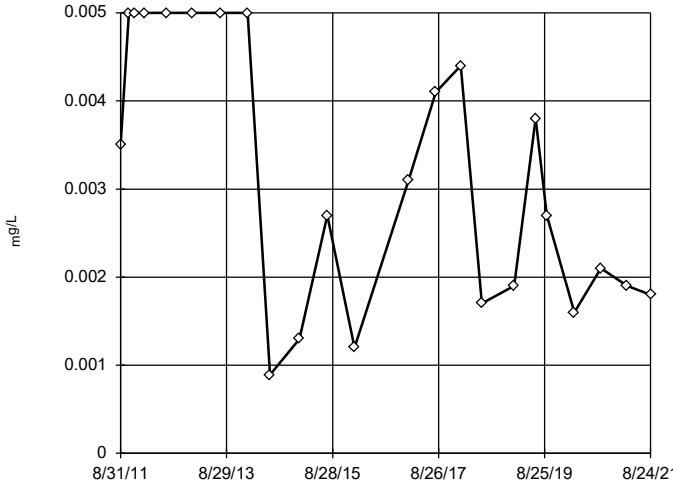
Constituent: Vanadium Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-20



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.1072, low cutoff = 0.00008398, based on IQR multiplier of 3.

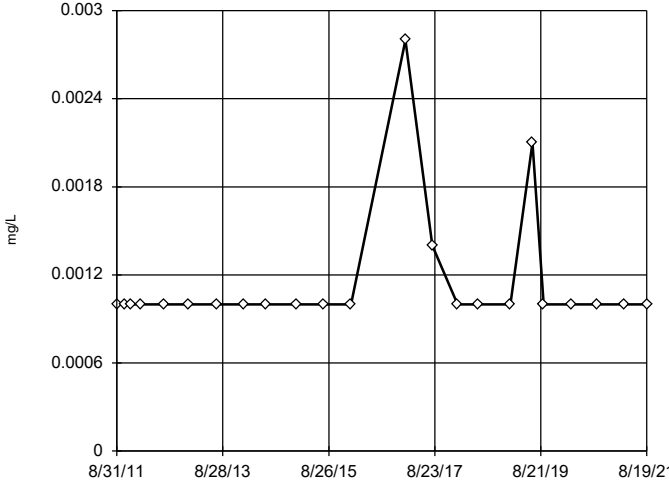
Constituent: Vanadium Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-21



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

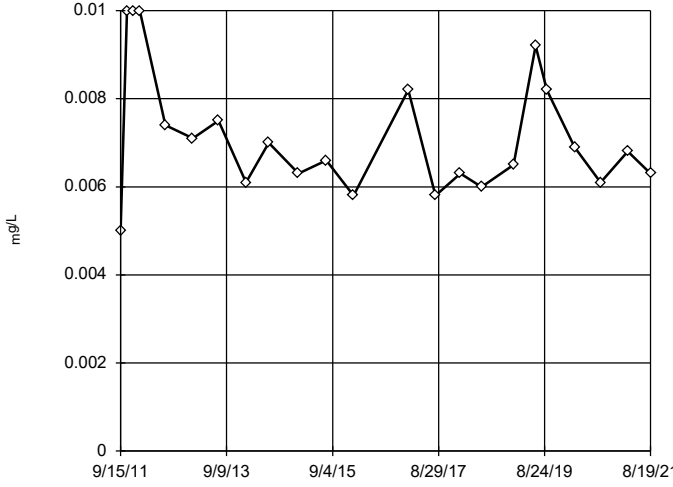
Constituent: Vanadium Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-22



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

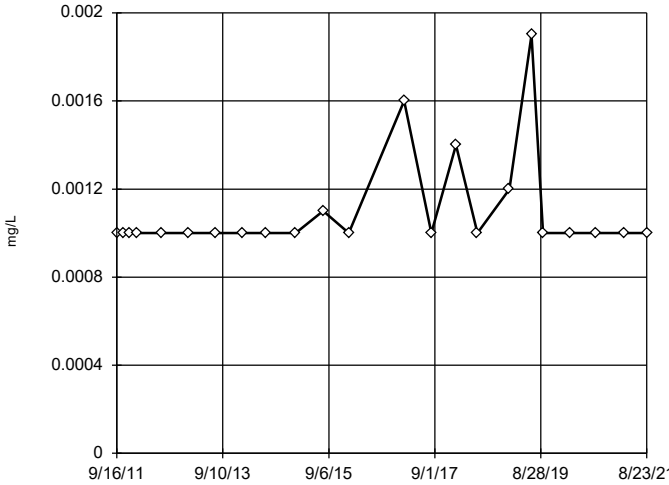
High cutoff = 0.01992, low cutoff = 0.002511, based on IQR multiplier of 3.

Constituent: Vanadium Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-23



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

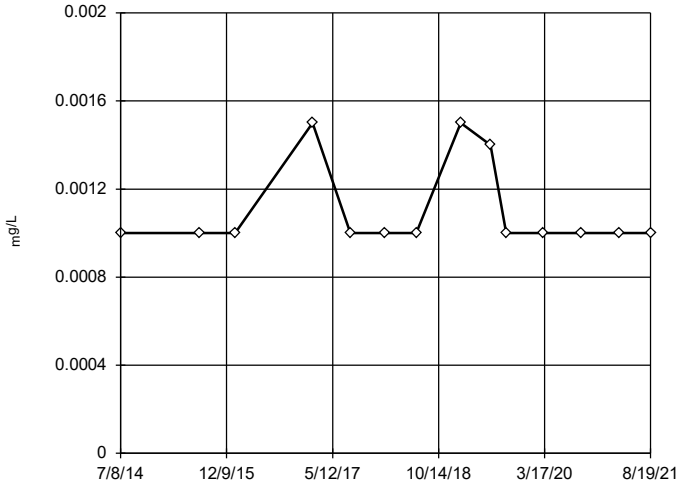
Constituent: Vanadium Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-24



n = 14

No outliers found. Tukey's method selected by user.

Data were x^5 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because both the lower and upper quartiles represent reporting limits.

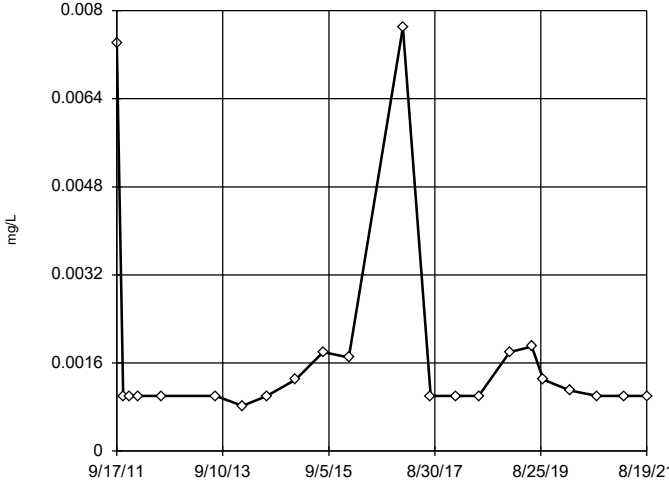
Constituent: Vanadium Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-25



n = 22

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.009364, low cutoff = 0.0001868, based on IQR multiplier of 3.

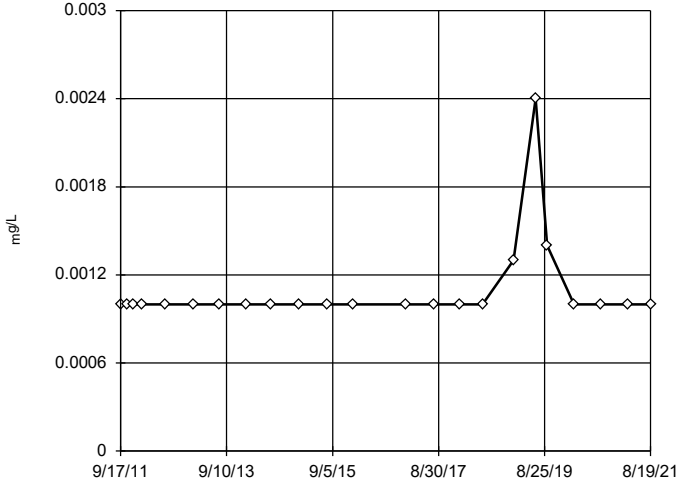
Constituent: Vanadium Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-26



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

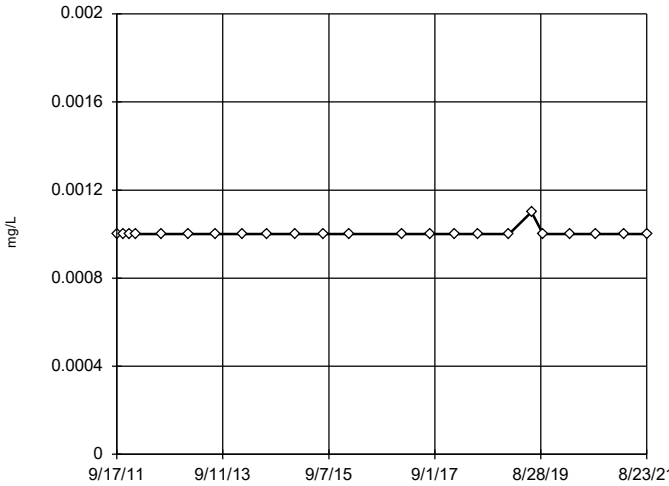
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Vanadium Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-27



n = 23

No outliers found.
Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

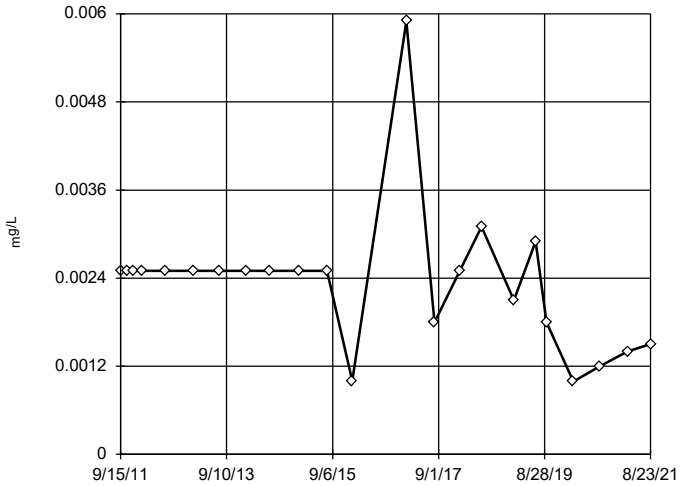
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Vanadium Analysis Run 5/11/2022 10:28 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-30



n = 23

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

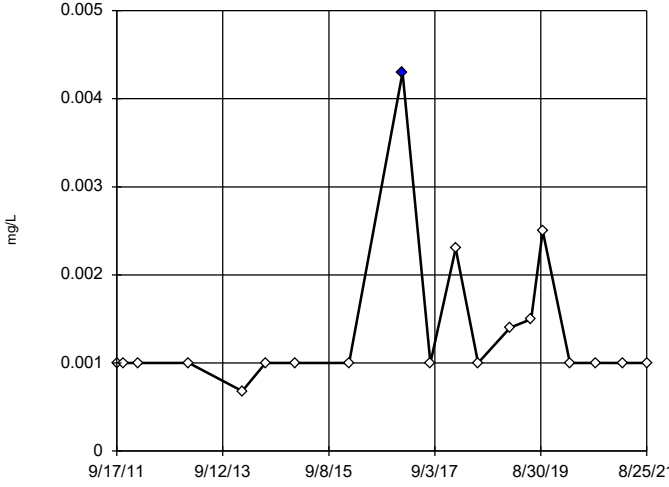
High cutoff = 0.006698, low cutoff = 0.0006718, based on IQR multiplier of 3.

Constituent: Vanadium Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-31



n = 19

Outlier is drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

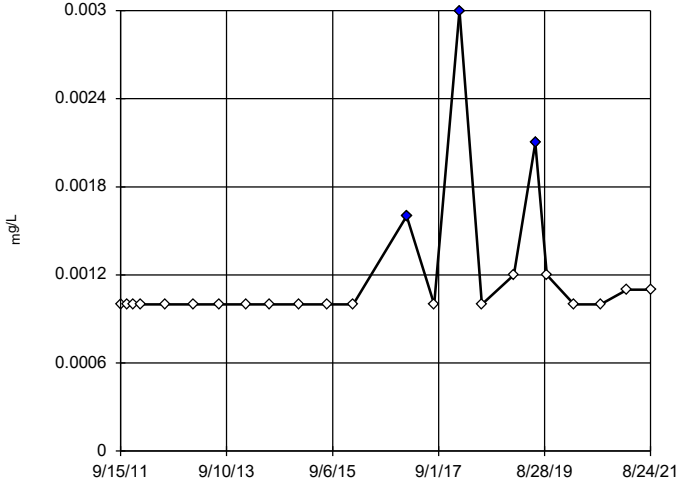
High cutoff = 0.003842, low cutoff = 0.0003644, based on IQR multiplier of 3.

Constituent: Vanadium Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-32



n = 23

Outliers are drawn as solid.
Tukey's method selected by user.

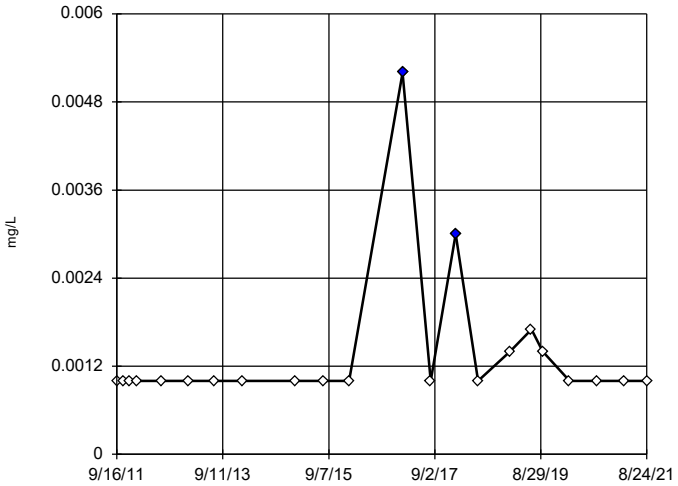
Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.001464, low cutoff = 0.0007513, based on IQR multiplier of 3.

Constituent: Vanadium Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-33



n = 22

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

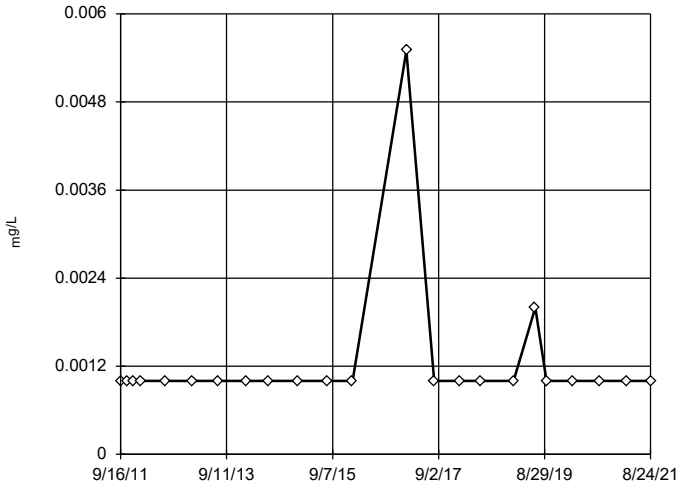
High cutoff = 0.00196, low cutoff = 0.0006037, based on IQR multiplier of 3.

Constituent: Vanadium Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-34



n = 23

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

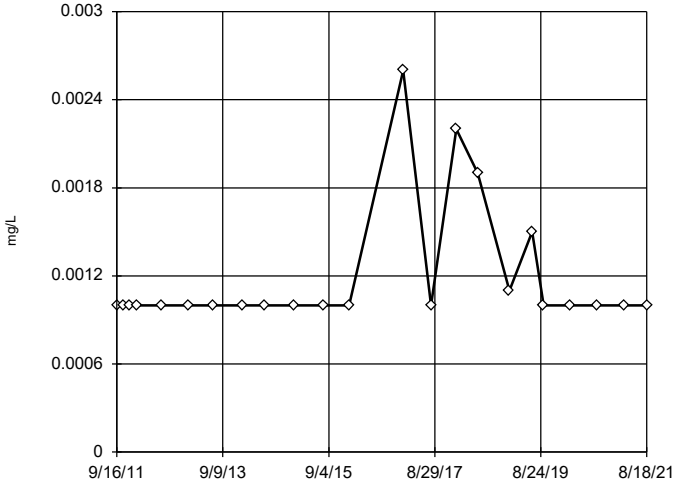
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Vanadium Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-35



n = 23

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

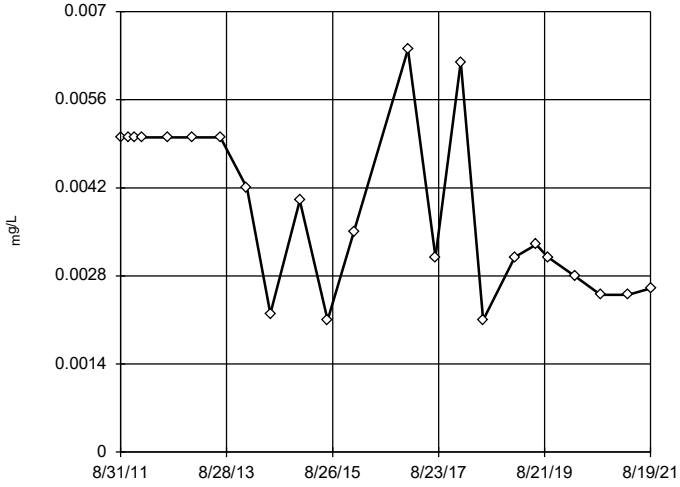
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Vanadium Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-5



n = 23

No outliers found.
Tukey's method selected by user.

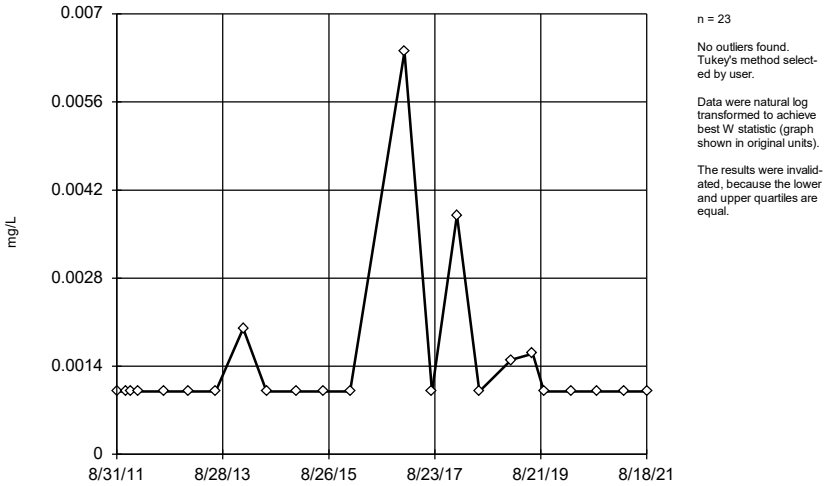
Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.03556, low cutoff = 0.0003656, based on IQR multiplier of 3.

Constituent: Vanadium Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-6



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

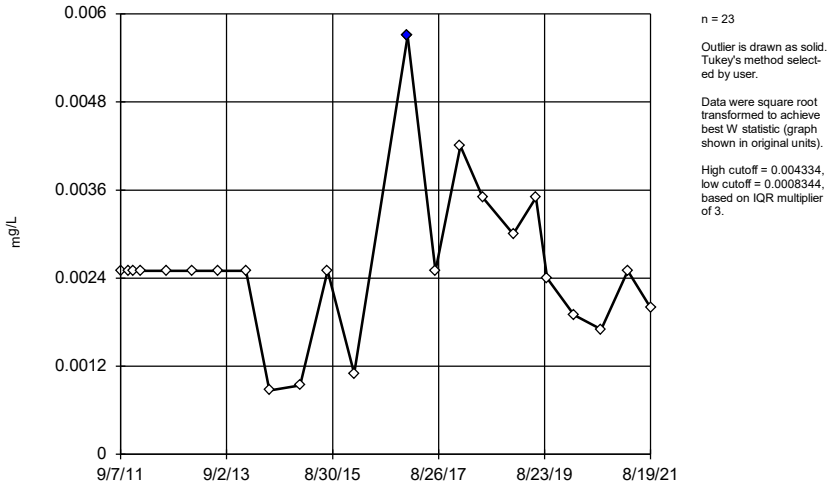
Constituent: Vanadium Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-7



n = 23

Outlier is drawn as solid. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.004334, low cutoff = 0.0008344, based on IQR multiplier of 3.

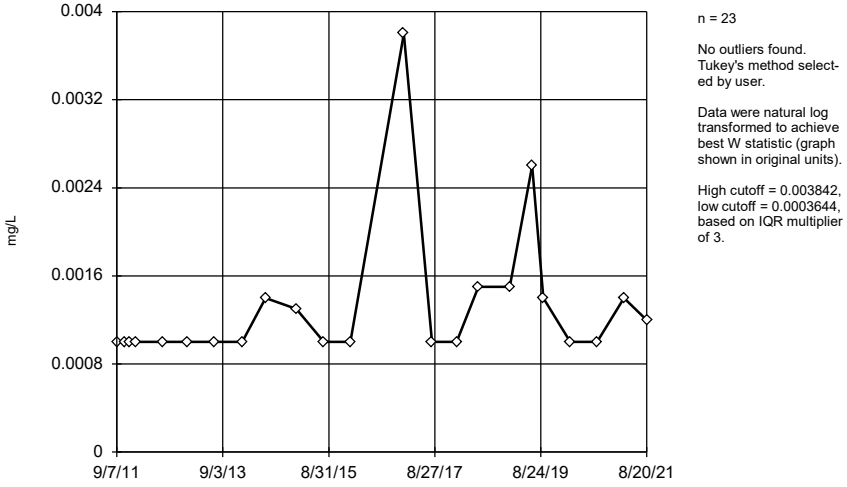
Constituent: Vanadium Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-8



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.003842, low cutoff = 0.0003644, based on IQR multiplier of 3.

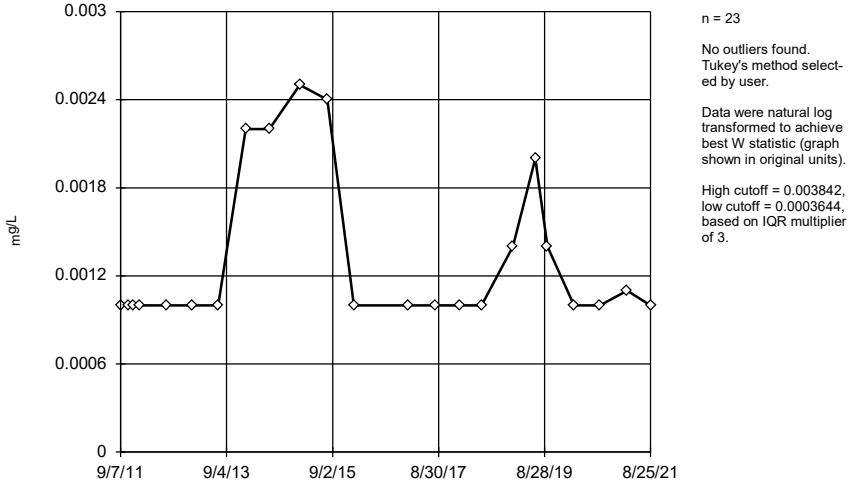
Constituent: Vanadium Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-9



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

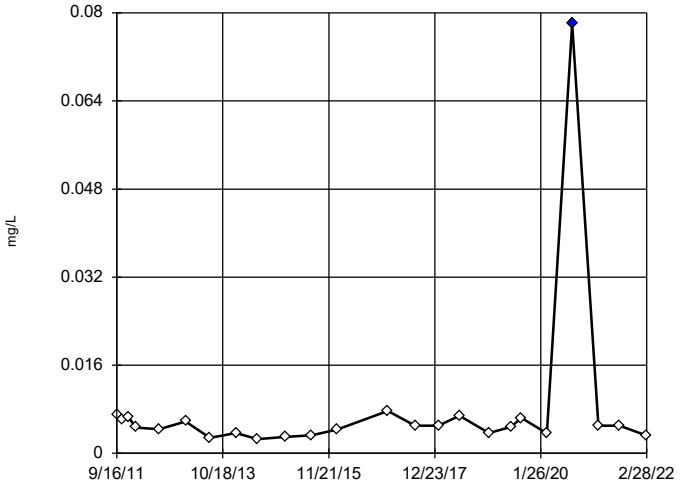
High cutoff = 0.003842, low cutoff = 0.0003644, based on IQR multiplier of 3.

Constituent: Vanadium Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWA-1 (bg)



n = 24

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.03239, low cutoff = 0.0007098, based on IQR multiplier of 3.

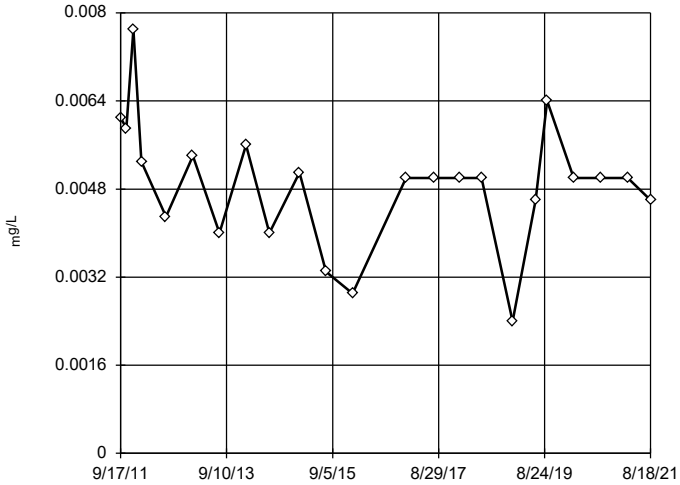
Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-2 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 0.0087, low cutoff = 0.001, based on IQR multiplier of 3.

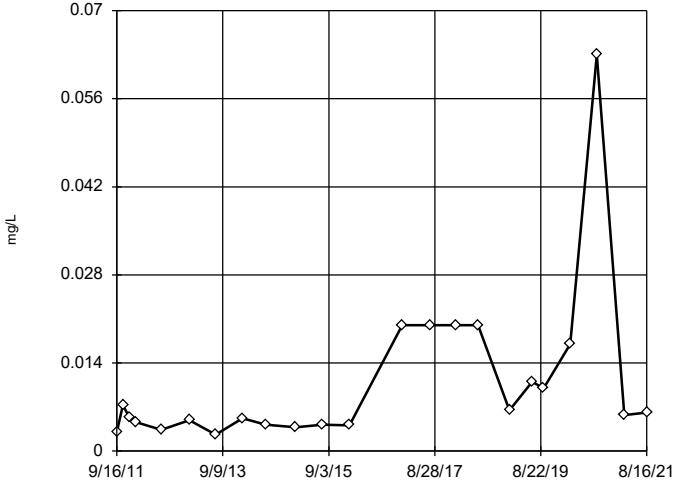
Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-28 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 1.127, low cutoff = 0.00006334, based on IQR multiplier of 3.

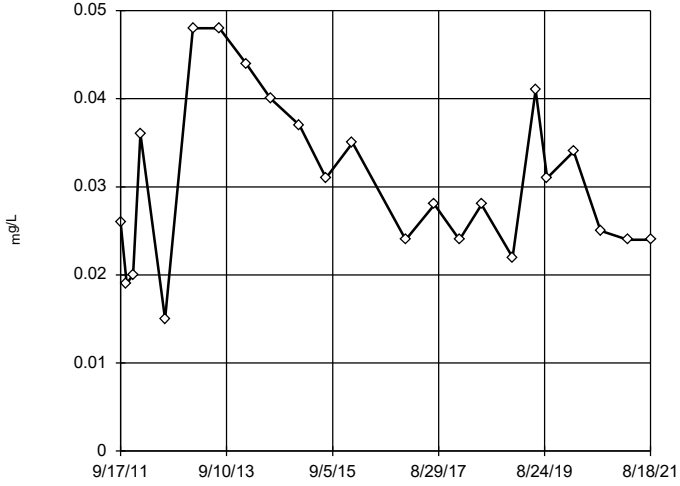
Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-29 (bg)



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

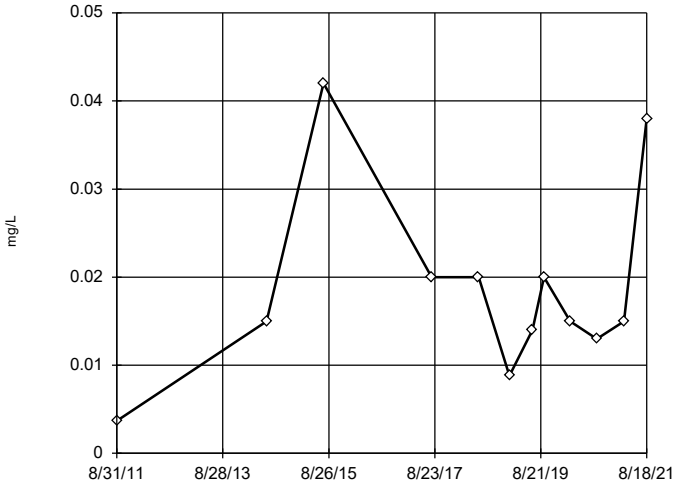
High cutoff = 0.1356, low cutoff = 0.00655, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWA-3 (bg)



n = 12

No outliers found.
Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

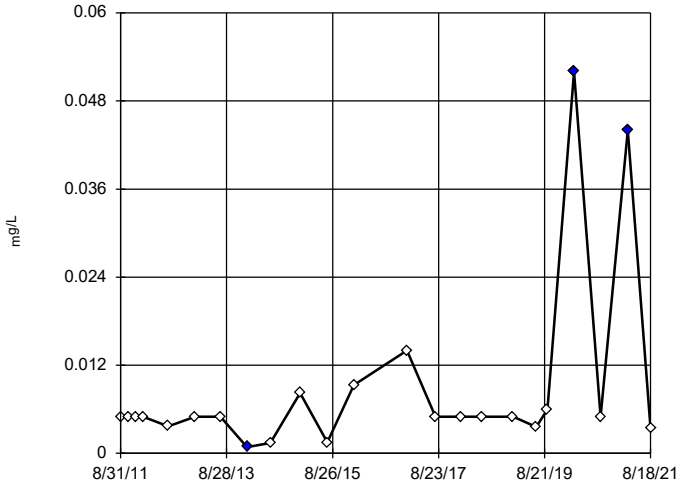
High cutoff = 0.05129, low cutoff = 0.002626, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWA-4 (bg)



n = 23

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

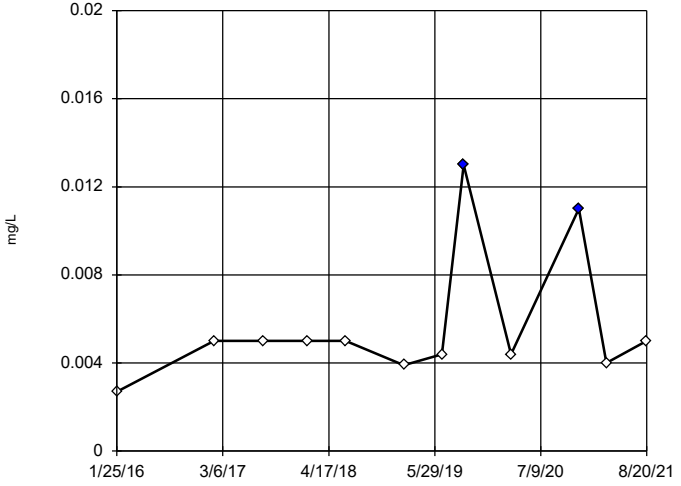
High cutoff = 0.02559, low cutoff = 0.0008677, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-10



n = 12

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

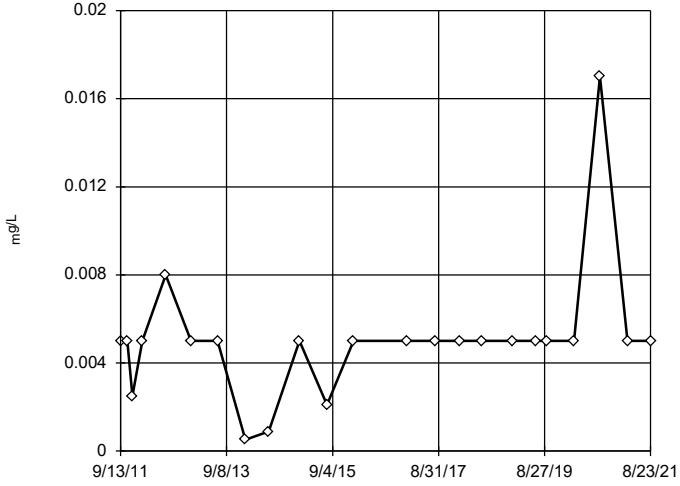
High cutoff = 0.008465, low cutoff = 0.002478, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-11



n = 23

No outliers found.
Tukey's method selected by user.

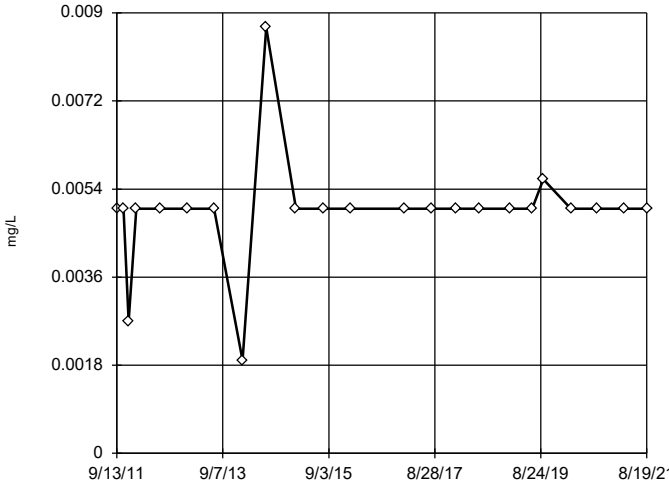
Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-12



n = 23

No outliers found. Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

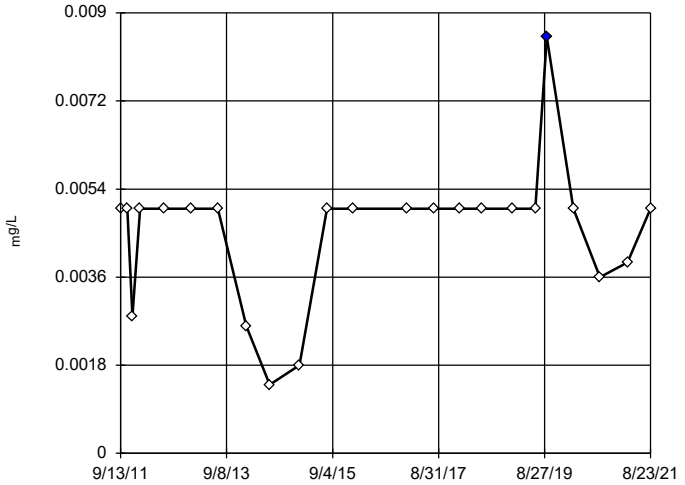
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-13



n = 23

Outlier is drawn as solid. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

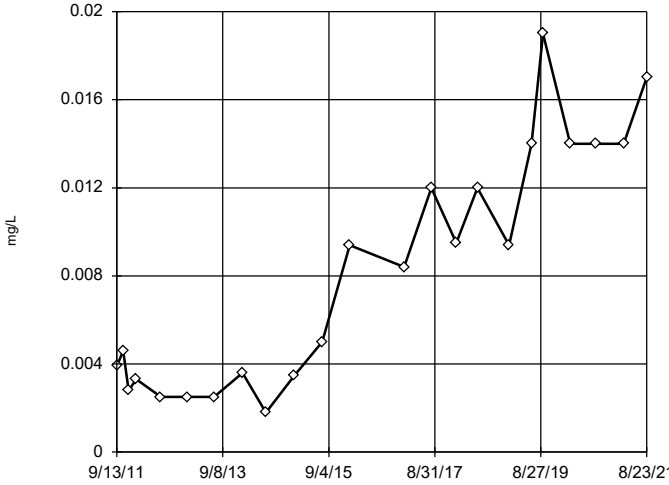
High cutoff = 0.0083, low cutoff = 0.0006, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-14



n = 23

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

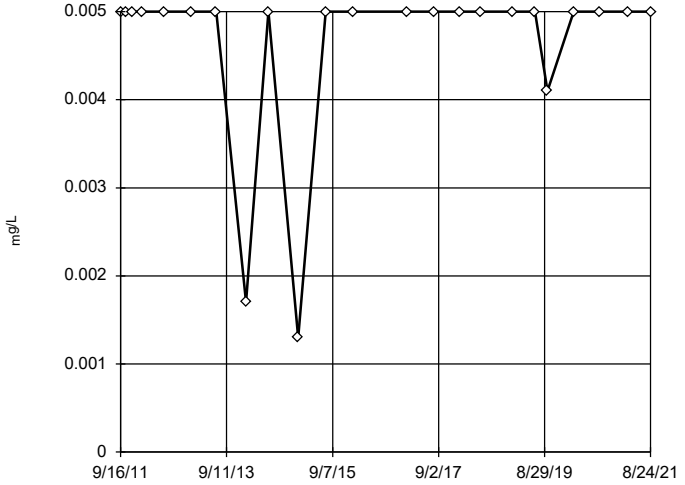
High cutoff = 0.1385, low cutoff = -0.002074, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-15



n = 23

No outliers found. Tukey's method selected by user.

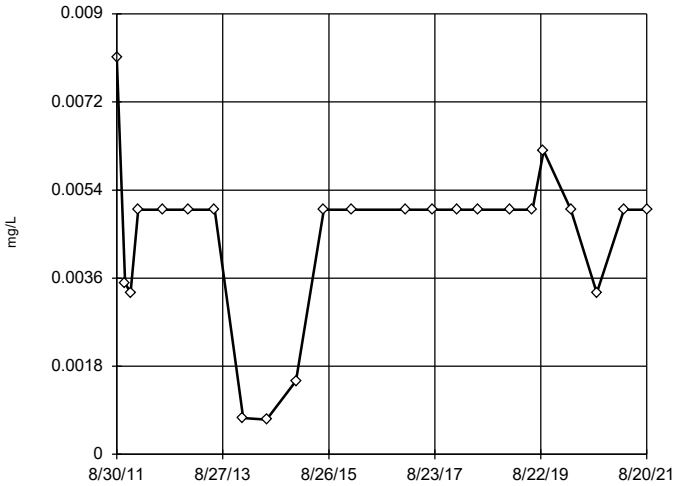
Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-16



n = 23

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

High cutoff = 0.0095, low cutoff = -0.001, based on IQR multiplier of 3.

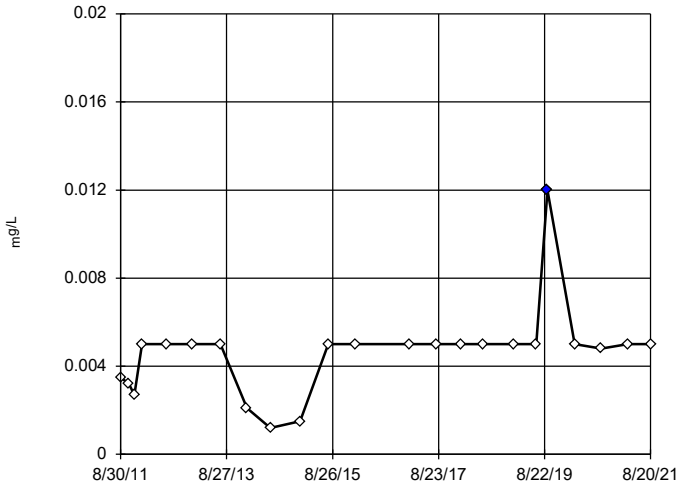
Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-17



n = 23

Outlier is drawn as solid. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.01193, low cutoff = 0.0008392, based on IQR multiplier of 3.

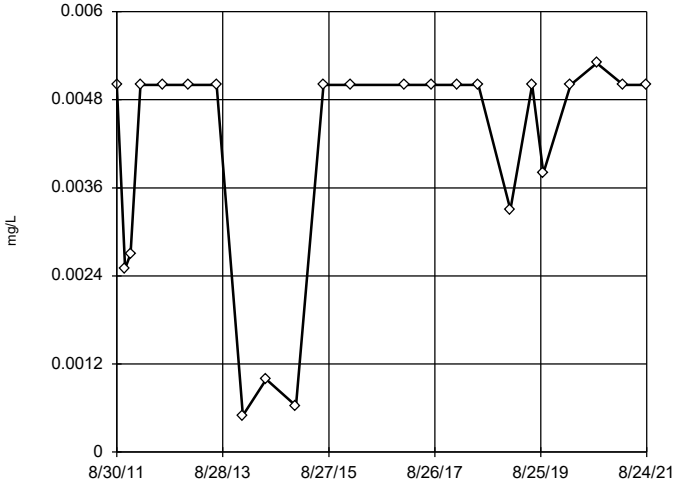
Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-18



n = 23

No outliers found. Tukey's method selected by user.

Data were x^6 transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because both the lower and upper quartiles represent reporting limits.

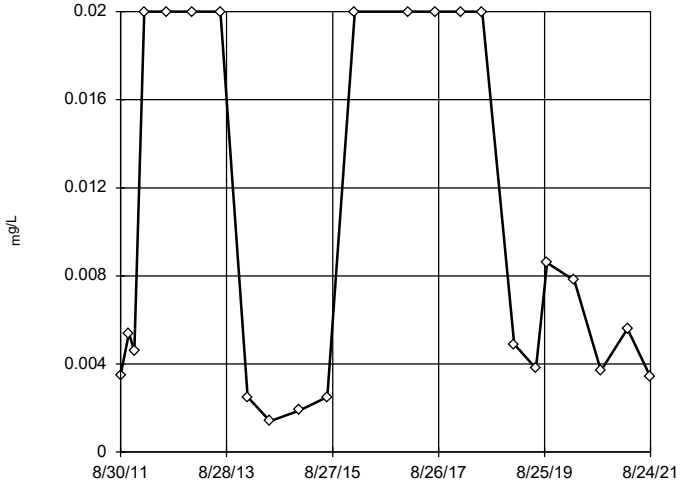
Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-19



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

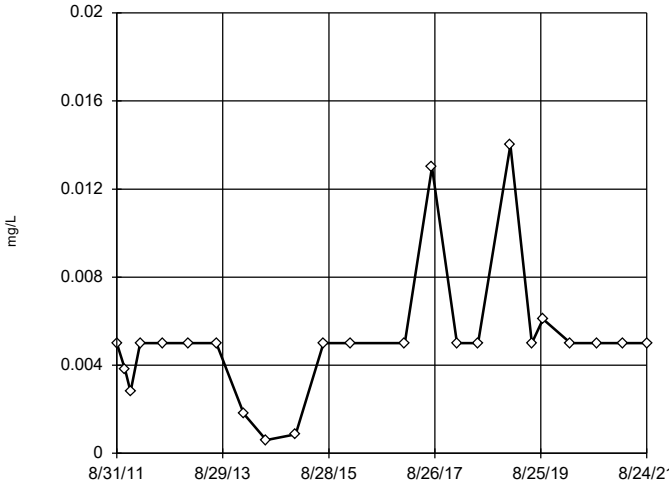
High cutoff = 3.732, low cutoff = 0.00001876, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-20



n = 23

No outliers found. Tukey's method selected by user.

Data were cube root transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

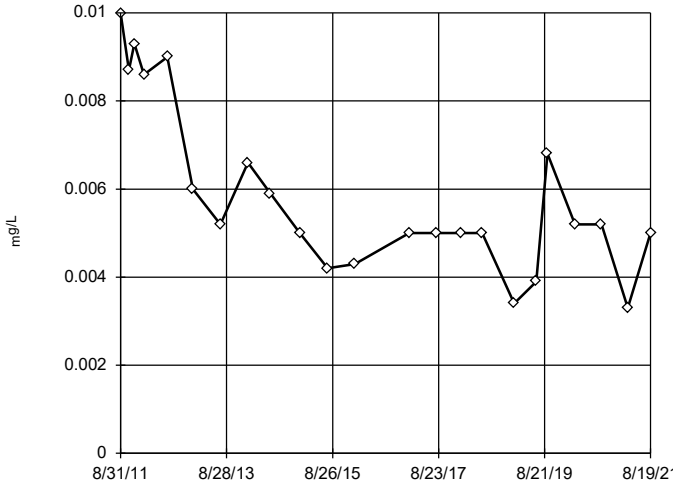
Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-21



n = 23

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.01711, low cutoff = 0.001988, based on IQR multiplier of 3.

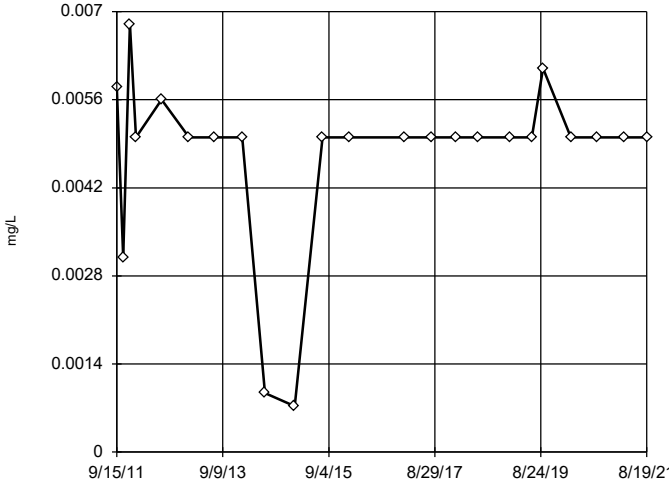
Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-22



n = 23

No outliers found. Tukey's method selected by user.

Data were cube transformed to achieve best W statistic (graph shown in original units).

The results were invalidated, because the lower and upper quartiles are equal.

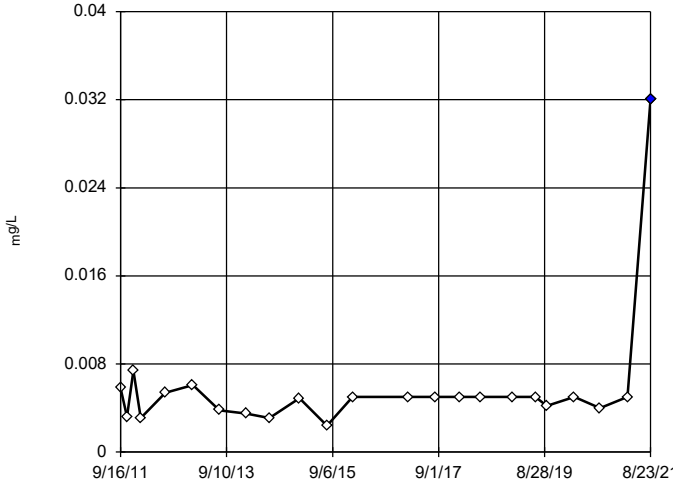
Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-23



n = 23

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

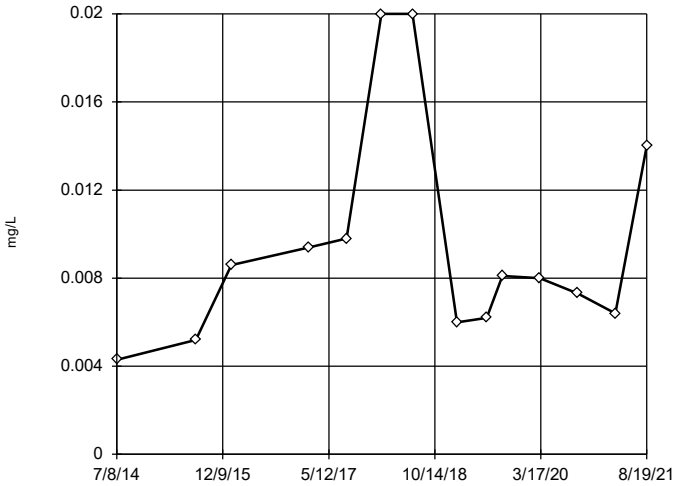
High cutoff = 0.01139, low cutoff = 0.001668, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-24



n = 14

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

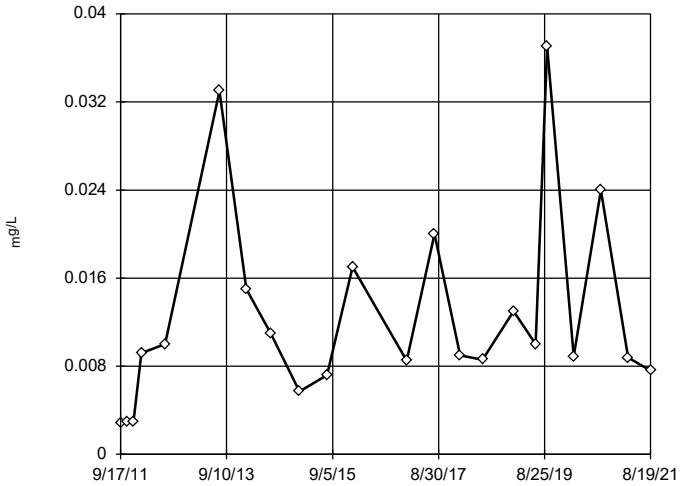
High cutoff = 0.08296, low cutoff = 0.0008611, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-25



n = 22

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

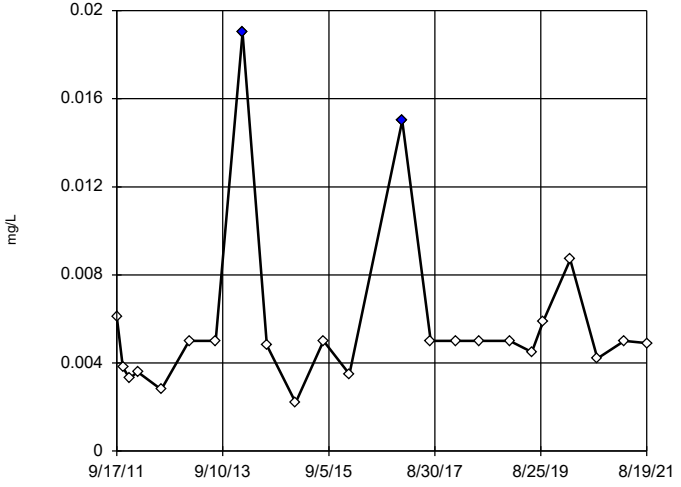
High cutoff = 0.1606, low cutoff = 0.0007353, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-26



n = 23

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

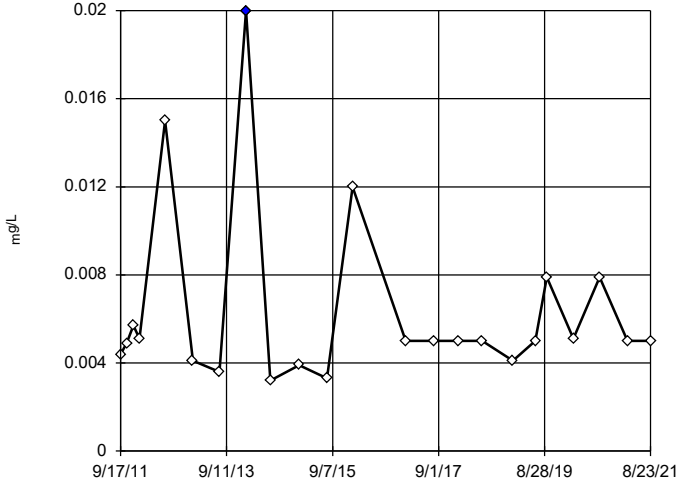
High cutoff = 0.01139, low cutoff = 0.001668, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-27



n = 23

Outlier is drawn as solid.
Tukey's method selected by user.

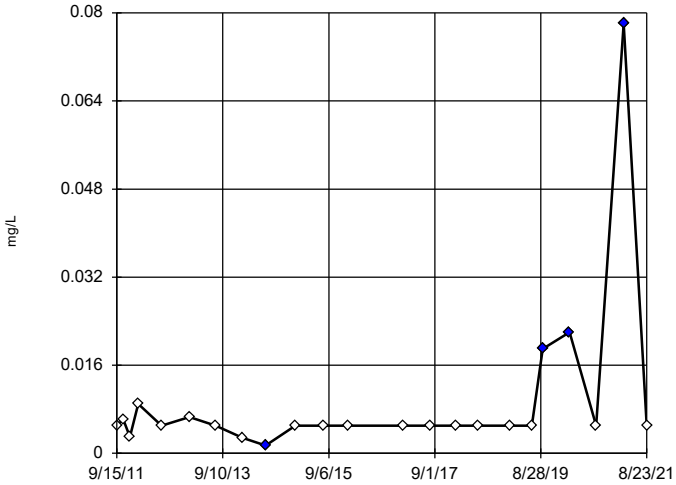
Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.01532, low cutoff = 0.001526, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-30



n = 23

Outliers are drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

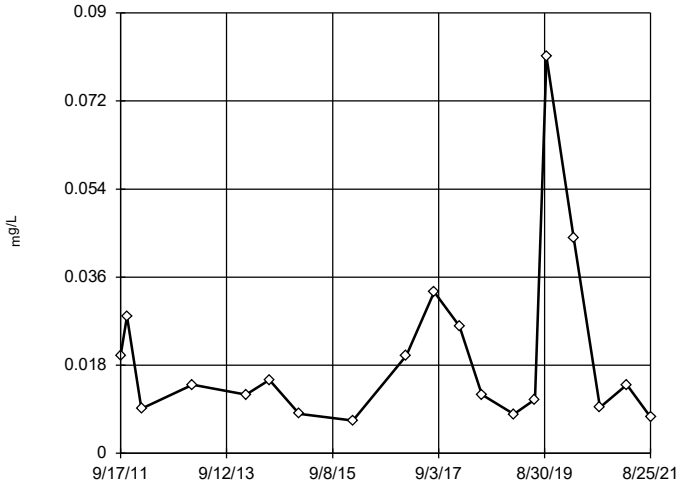
High cutoff = 0.01182, low cutoff = 0.002622, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-31



n = 19

No outliers found.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

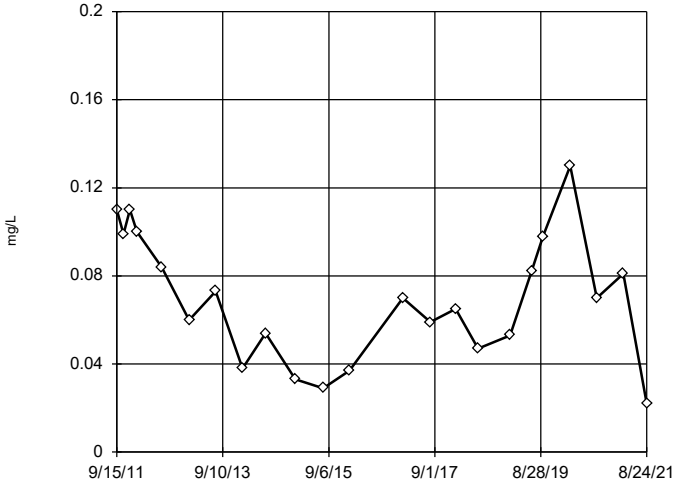
High cutoff = 0.6064, low cutoff = 0.0003902, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-32



n = 23

No outliers found.
Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

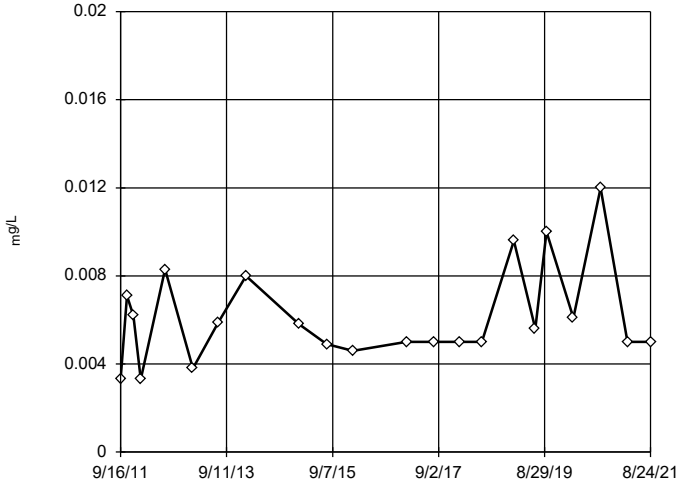
High cutoff = 0.3622, low cutoff = -0.00518, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-33



n = 22

No outliers found.
Tukey's method selected by user.

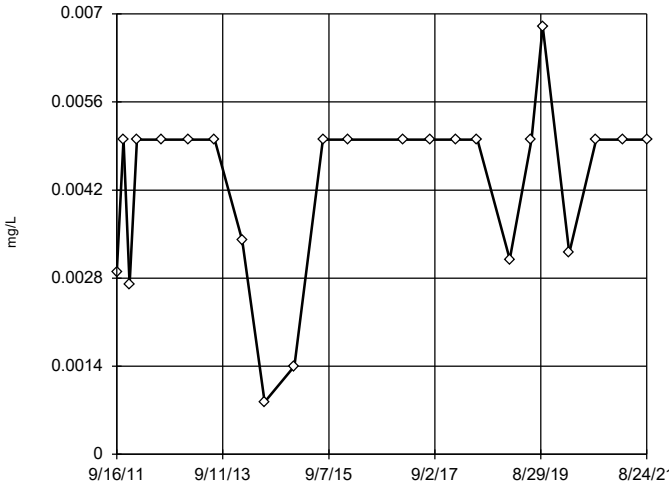
Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.0266, low cutoff = 0.001402, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-34



n = 23

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.008323, low cutoff = -0.005834, based on IQR multiplier of 3.

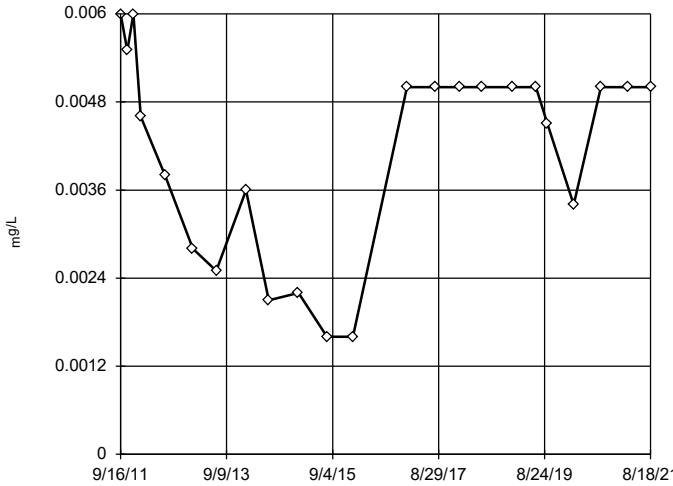
Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-35



n = 23

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.008745, low cutoff = -0.006606, based on IQR multiplier of 3.

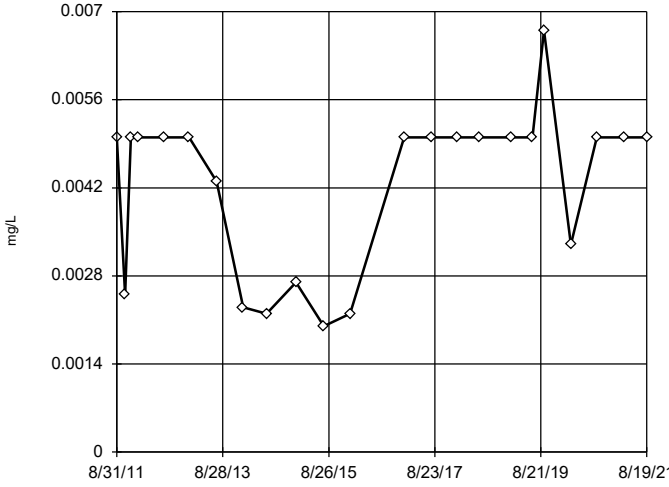
Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-5



n = 23

No outliers found. Tukey's method selected by user.

Data were square transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.008839, low cutoff = -0.006771, based on IQR multiplier of 3.

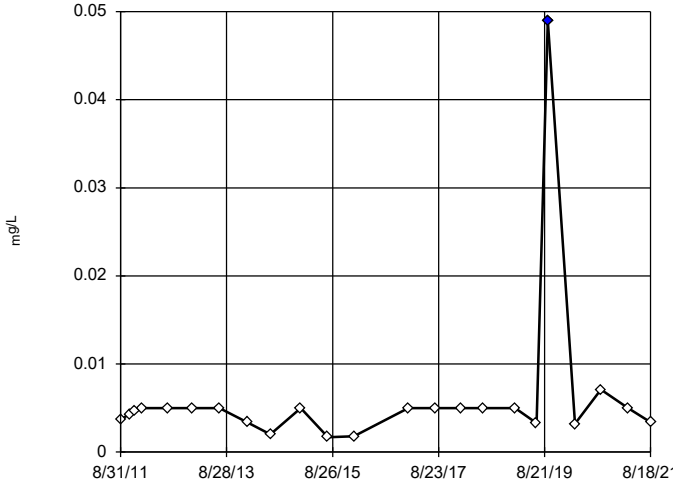
Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-6



n = 23

Outlier is drawn as solid. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

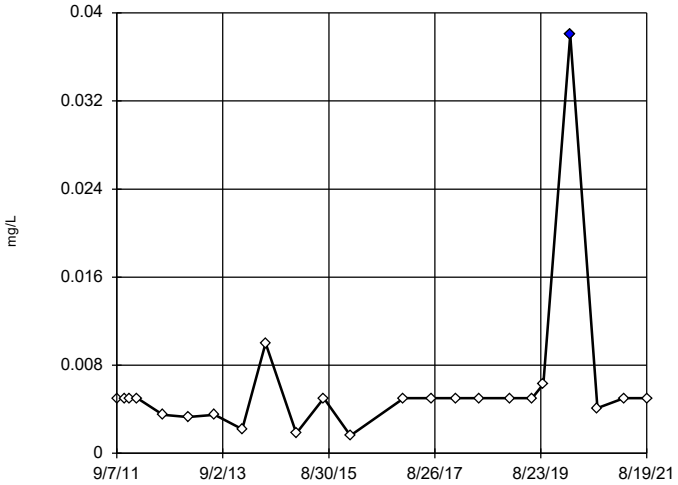
High cutoff = 0.0159, low cutoff = 0.001069, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Tukey's Outlier Screening

GWC-7



n = 23

Outlier is drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

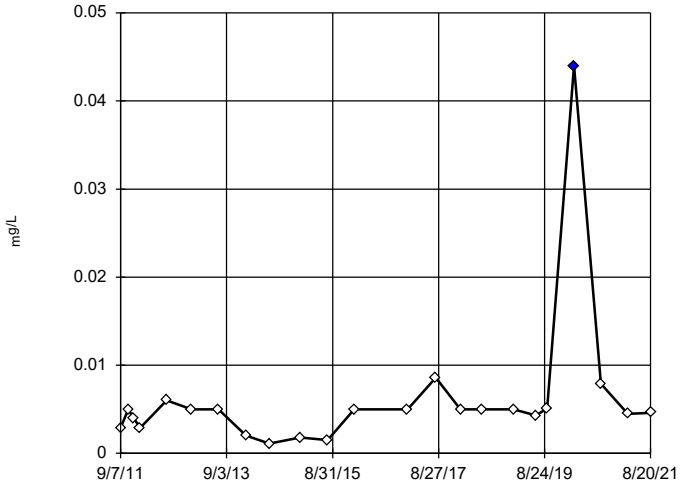
High cutoff = 0.01458, low cutoff = 0.001201, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-8



n = 23

Outlier is drawn as solid.
Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

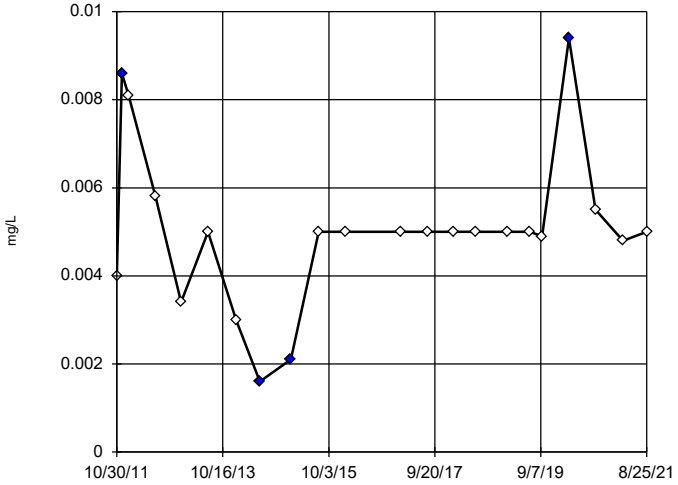
High cutoff = 0.02563, low cutoff = 0.0005658, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening

GWC-9



n = 22

Outliers are drawn as solid.
Tukey's method selected by user.

Data were square root transformed to achieve best W statistic (graph shown in original units).

High cutoff = 0.008273, low cutoff = 0.00228, based on IQR multiplier of 3.

Constituent: Zinc Analysis Run 5/11/2022 10:29 AM View: Outlier Testing - All Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

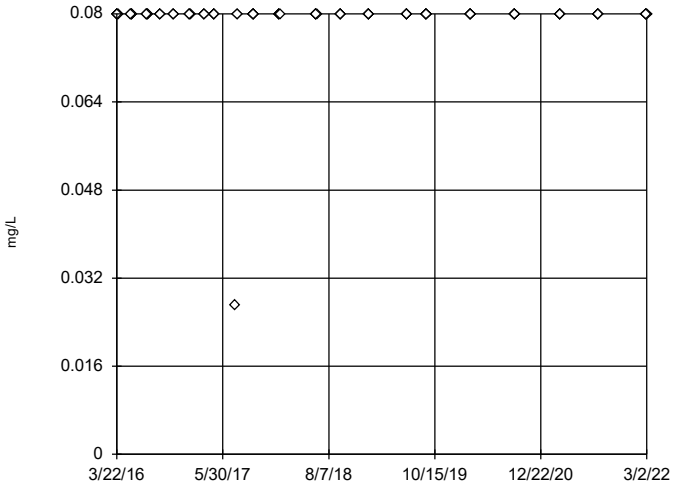
Tukey's Outlier Test Upgradient Wells - All Results (No Significant)

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 12:10 PM

Constituent	Well	Outlier	Value(s)	Method	N	Mean	Std. Dev.	Distribution	Normality Test
Boron, total (mg/L)	GWA-2,GWA-28,GWA-...	n/a	n/a	NP	93	0.07943	0.005496	unknown	ShapiroFrancia
Calcium, total (mg/L)	GWA-2,GWA-28,GWA-...	No	n/a	NP	92	11.47	12.81	ln(x)	ShapiroFrancia
Chloride, Total (mg/L)	GWA-2,GWA-28,GWA-...	No	n/a	NP	92	7.704	9.536	ln(x)	ShapiroFrancia
Fluoride, total (mg/L)	GWA-2,GWA-28,GWA-...	No	n/a	NP	92	0.8359	0.9484	ln(x)	ShapiroFrancia

Tukey's Outlier Screening, Pooled Background

GWA-2,GWA-28,GWA-29,GWA-3,GWA-4



n = 93

No outliers found. Tukey's method selected by user.

Ladder of Powers transformations did not improve normality; analysis run on raw data.

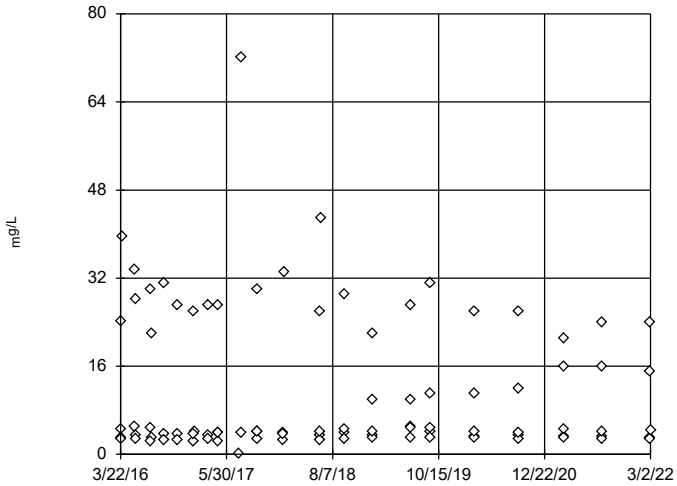
The results were invalidated, because the lower and upper quartiles are equal.

Constituent: Boron, total Analysis Run 5/11/2022 12:09 PM View: Tukey's Outlier - Pooled Upgradient
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening, Pooled Background

GWA-2,GWA-28,GWA-29,GWA-3,GWA-4



n = 92

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

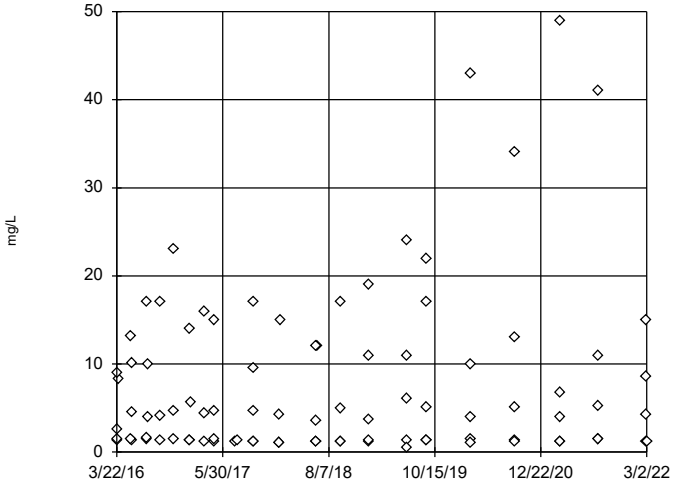
High cutoff = 7902, low cutoff = 0.008617, based on IQR multiplier of 3.

Constituent: Calcium, total Analysis Run 5/11/2022 12:09 PM View: Tukey's Outlier - Pooled Upgradient
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening, Pooled Background

GWA-2,GWA-28,GWA-29,GWA-3,GWA-4



n = 92

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

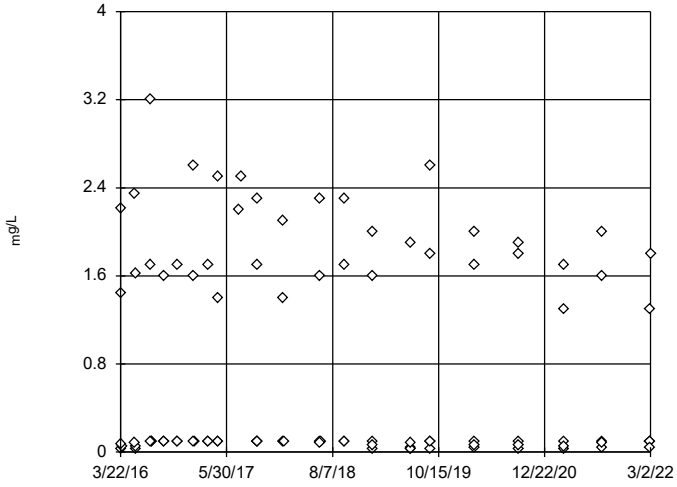
High cutoff = 6664, low cutoff = 0.002146, based on IQR multiplier of 3.

Constituent: Chloride, Total Analysis Run 5/11/2022 12:09 PM View: Tukey's Outlier - Pooled Upgradient
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Tukey's Outlier Screening, Pooled Background

GWA-2,GWA-28,GWA-29,GWA-3,GWA-4



n = 92

No outliers found. Tukey's method selected by user.

Data were natural log transformed to achieve best W statistic (graph shown in original units).

High cutoff = 12497, low cutoff = 0.00001189, based on IQR multiplier of 3.

Constituent: Fluoride, total Analysis Run 5/11/2022 12:09 PM View: Tukey's Outlier - Pooled Upgradient
Plant Wansley Client: Southern Company Data: Wansley Landfill

FIGURE D.

Mann-Whitney Summary Appendix I - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 11:27 AM

Constituent	Well	Calc.	0.01	Sig.	Method
Antimony (mg/L)	GWC-13	-2.664	Yes	Yes	Mann-W
Arsenic (mg/L)	GWC-11	-2.713	Yes	Yes	Mann-W
Arsenic (mg/L)	GWC-12	-2.592	Yes	Yes	Mann-W
Arsenic (mg/L)	GWC-14	-2.738	Yes	Yes	Mann-W
Arsenic (mg/L)	GWC-21	-2.664	Yes	Yes	Mann-W
Arsenic (mg/L)	GWC-8	-2.738	Yes	Yes	Mann-W
Arsenic (mg/L)	GWC-9	-3.178	Yes	Yes	Mann-W
Barium (mg/L)	GWC-12	3.661	Yes	Yes	Mann-W
Barium (mg/L)	GWC-14	3.14	Yes	Yes	Mann-W
Barium (mg/L)	GWC-16	3.07	Yes	Yes	Mann-W
Barium (mg/L)	GWC-18	3.641	Yes	Yes	Mann-W
Barium (mg/L)	GWC-21	3.779	Yes	Yes	Mann-W
Barium (mg/L)	GWC-26	2.587	Yes	Yes	Mann-W
Barium (mg/L)	GWC-30	2.751	Yes	Yes	Mann-W
Barium (mg/L)	GWC-34	2.88	Yes	Yes	Mann-W
Beryllium (mg/L)	GWA-1 (bg)	-3.173	Yes	Yes	Mann-W
Beryllium (mg/L)	GWC-12	-2.664	Yes	Yes	Mann-W
Beryllium (mg/L)	GWC-16	-2.664	Yes	Yes	Mann-W
Beryllium (mg/L)	GWC-19	-2.664	Yes	Yes	Mann-W
Beryllium (mg/L)	GWC-21	-2.664	Yes	Yes	Mann-W
Beryllium (mg/L)	GWC-22	-3.296	Yes	Yes	Mann-W
Beryllium (mg/L)	GWC-25	-2.609	Yes	Yes	Mann-W
Beryllium (mg/L)	GWC-26	-2.664	Yes	Yes	Mann-W
Beryllium (mg/L)	GWC-33	-2.915	Yes	Yes	Mann-W
Beryllium (mg/L)	GWC-8	-2.664	Yes	Yes	Mann-W
Cadmium (mg/L)	GWC-14	-2.907	Yes	Yes	Mann-W
Cadmium (mg/L)	GWC-22	-3.296	Yes	Yes	Mann-W
Cobalt (mg/L)	GWA-1 (bg)	-3.704	Yes	Yes	Mann-W
Cobalt (mg/L)	GWA-2 (bg)	-4.485	Yes	Yes	Mann-W
Cobalt (mg/L)	GWA-3 (bg)	-2.826	Yes	Yes	Mann-W
Cobalt (mg/L)	GWC-11	-3.729	Yes	Yes	Mann-W
Cobalt (mg/L)	GWC-12	-3.836	Yes	Yes	Mann-W
Cobalt (mg/L)	GWC-19	-3.519	Yes	Yes	Mann-W
Cobalt (mg/L)	GWC-22	-2.664	Yes	Yes	Mann-W
Cobalt (mg/L)	GWC-23	-2.823	Yes	Yes	Mann-W
Cobalt (mg/L)	GWC-26	-2.778	Yes	Yes	Mann-W
Cobalt (mg/L)	GWC-35	-4.19	Yes	Yes	Mann-W
Cobalt (mg/L)	GWC-5	-3.507	Yes	Yes	Mann-W
Copper (mg/L)	GWA-2 (bg)	-2.915	Yes	Yes	Mann-W
Copper (mg/L)	GWC-26	-3.485	Yes	Yes	Mann-W
Copper (mg/L)	GWC-8	-2.598	Yes	Yes	Mann-W
Lead (mg/L)	GWA-29 (bg)	-4.211	Yes	Yes	Mann-W
Lead (mg/L)	GWC-11	-2.664	Yes	Yes	Mann-W
Lead (mg/L)	GWC-19	-3.07	Yes	Yes	Mann-W
Lead (mg/L)	GWC-20	-2.611	Yes	Yes	Mann-W
Lead (mg/L)	GWC-21	-3.296	Yes	Yes	Mann-W
Lead (mg/L)	GWC-22	-2.664	Yes	Yes	Mann-W
Lead (mg/L)	GWC-23	-3.296	Yes	Yes	Mann-W
Lead (mg/L)	GWC-24	-2.667	Yes	Yes	Mann-W
Lead (mg/L)	GWC-25	-4.21	Yes	Yes	Mann-W
Lead (mg/L)	GWC-27	-3.858	Yes	Yes	Mann-W
Lead (mg/L)	GWC-31	-3.273	Yes	Yes	Mann-W
Lead (mg/L)	GWC-33	-3.229	Yes	Yes	Mann-W
Nickel (mg/L)	GWA-1 (bg)	-4.633	Yes	Yes	Mann-W
Nickel (mg/L)	GWA-2 (bg)	-3.757	Yes	Yes	Mann-W

Mann-Whitney Summary Appendix I - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 11:27 AM

Constituent	Well	Calc.	0.01	Sig.	Method
Nickel (mg/L)	**GWA-28 (bg)**	**-3.418**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWA-29 (bg)**	**-2.745**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-13**	**-3.748**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-17**	**-2.798**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-19**	**-4.634**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-21**	**-4.633**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-23**	**-4.196**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-26**	**-3.321**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-27**	**-2.796**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-34**	**-4.254**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-35**	**-3.786**	**Yes**	**Yes**	**Mann-W**
Thallium (mg/L)	**GWA-1 (bg)**	**-3.858**	**Yes**	**Yes**	**Mann-W**
Thallium (mg/L)	**GWC-15**	**-2.664**	**Yes**	**Yes**	**Mann-W**
Thallium (mg/L)	**GWC-21**	**-3.296**	**Yes**	**Yes**	**Mann-W**
Thallium (mg/L)	**GWC-22**	**-3.296**	**Yes**	**Yes**	**Mann-W**
Vanadium (mg/L)	**GWA-28 (bg)**	**3.055**	**Yes**	**Yes**	**Mann-W**
Vanadium (mg/L)	**GWA-29 (bg)**	**2.684**	**Yes**	**Yes**	**Mann-W**
Vanadium (mg/L)	**GWC-26**	**2.681**	**Yes**	**Yes**	**Mann-W**
Vanadium (mg/L)	**GWC-30**	**-2.596**	**Yes**	**Yes**	**Mann-W**
Zinc (mg/L)	**GWC-14**	**3.488**	**Yes**	**Yes**	**Mann-W**

Mann-Whitney Summary Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 11:27 AM

Constituent	Well	Calc.	0.01	Sig.	Method
Antimony (mg/L)	GWA-2 (bg)	-0.05668	No	No	Mann-W
Antimony (mg/L)	GWA-28 (bg)	0.2825	No	No	Mann-W
Antimony (mg/L)	GWA-29 (bg)	-0.1743	No	No	Mann-W
Antimony (mg/L)	GWA-3 (bg)	1.196	No	No	Mann-W
Antimony (mg/L)	GWC-10	-0.5549	No	No	Mann-W
Antimony (mg/L)	GWC-11	-0.6305	No	No	Mann-W
Antimony (mg/L)	**GWC-13**	**-2.664**	**Yes**	**Yes**	**Mann-W**
Antimony (mg/L)	GWC-18	-0.6305	No	No	Mann-W
Antimony (mg/L)	GWC-22	0.4729	No	No	Mann-W
Antimony (mg/L)	GWC-23	0.4729	No	No	Mann-W
Antimony (mg/L)	GWC-24	0.7014	No	No	Mann-W
Antimony (mg/L)	GWC-25	0.4835	No	No	Mann-W
Antimony (mg/L)	GWC-26	0.7368	No	No	Mann-W
Antimony (mg/L)	GWC-27	0.7368	No	No	Mann-W
Antimony (mg/L)	GWC-30	-0.565	No	No	Mann-W
Antimony (mg/L)	GWC-31	-1.018	No	No	Mann-W
Antimony (mg/L)	GWC-32	-1.891	No	No	Mann-W
Antimony (mg/L)	GWC-33	-1.853	No	No	Mann-W
Antimony (mg/L)	GWC-5	-1.7	No	No	Mann-W
Antimony (mg/L)	GWC-6	-1.891	No	No	Mann-W
Arsenic (mg/L)	GWA-1 (bg)	-1.891	No	No	Mann-W
Arsenic (mg/L)	GWA-2 (bg)	-1.891	No	No	Mann-W
Arsenic (mg/L)	GWA-28 (bg)	0.4729	No	No	Mann-W
Arsenic (mg/L)	GWA-29 (bg)	0.7721	No	No	Mann-W
Arsenic (mg/L)	GWA-3 (bg)	0.7559	No	No	Mann-W
Arsenic (mg/L)	GWA-4 (bg)	-0.7467	No	No	Mann-W
Arsenic (mg/L)	**GWC-11**	**-2.713**	**Yes**	**Yes**	**Mann-W**
Arsenic (mg/L)	**GWC-12**	**-2.592**	**Yes**	**Yes**	**Mann-W**
Arsenic (mg/L)	GWC-13	-0.05668	No	No	Mann-W
Arsenic (mg/L)	**GWC-14**	**-2.738**	**Yes**	**Yes**	**Mann-W**
Arsenic (mg/L)	GWC-16	0.4729	No	No	Mann-W
Arsenic (mg/L)	GWC-17	-1.891	No	No	Mann-W
Arsenic (mg/L)	GWC-18	0.7368	No	No	Mann-W
Arsenic (mg/L)	GWC-19	-1.7	No	No	Mann-W
Arsenic (mg/L)	GWC-20	-1.02	No	No	Mann-W
Arsenic (mg/L)	**GWC-21**	**-2.664**	**Yes**	**Yes**	**Mann-W**
Arsenic (mg/L)	GWC-22	-1.02	No	No	Mann-W
Arsenic (mg/L)	GWC-23	-1.02	No	No	Mann-W
Arsenic (mg/L)	GWC-24	0.6061	No	No	Mann-W
Arsenic (mg/L)	GWC-25	-0.5301	No	No	Mann-W
Arsenic (mg/L)	GWC-26	0.4729	No	No	Mann-W
Arsenic (mg/L)	GWC-31	-0.6164	No	No	Mann-W
Arsenic (mg/L)	GWC-32	-1.02	No	No	Mann-W
Arsenic (mg/L)	GWC-33	-0.6447	No	No	Mann-W
Arsenic (mg/L)	GWC-34	-0.05668	No	No	Mann-W
Arsenic (mg/L)	GWC-35	0.4729	No	No	Mann-W
Arsenic (mg/L)	GWC-5	-0.6305	No	No	Mann-W
Arsenic (mg/L)	GWC-6	0.4729	No	No	Mann-W
Arsenic (mg/L)	GWC-7	-1.13	No	No	Mann-W
Arsenic (mg/L)	**GWC-8**	**-2.738**	**Yes**	**Yes**	**Mann-W**
Arsenic (mg/L)	**GWC-9**	**-3.178**	**Yes**	**Yes**	**Mann-W**
Barium (mg/L)	GWA-1 (bg)	0.9893	No	No	Mann-W
Barium (mg/L)	GWA-2 (bg)	-1.952	No	No	Mann-W
Barium (mg/L)	GWA-28 (bg)	1.228	No	No	Mann-W
Barium (mg/L)	GWA-29 (bg)	2.356	No	No	Mann-W

Mann-Whitney Summary Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 11:27 AM

Constituent	Well	Calc.	0.01	Sig.	Method
Barium (mg/L)	GWA-3 (bg)	2.281	No	No	Mann-W
Barium (mg/L)	GWA-4 (bg)	0.9119	No	No	Mann-W
Barium (mg/L)	GWC-10	0.9338	No	No	Mann-W
Barium (mg/L)	GWC-11	-1.326	No	No	Mann-W
Barium (mg/L)	**GWC-12**	**3.661**	**Yes**	**Yes**	**Mann-W**
Barium (mg/L)	GWC-13	1.032	No	No	Mann-W
Barium (mg/L)	**GWC-14**	**3.14**	**Yes**	**Yes**	**Mann-W**
Barium (mg/L)	GWC-15	0.9099	No	No	Mann-W
Barium (mg/L)	**GWC-16**	**3.07**	**Yes**	**Yes**	**Mann-W**
Barium (mg/L)	GWC-17	0.6828	No	No	Mann-W
Barium (mg/L)	**GWC-18**	**3.641**	**Yes**	**Yes**	**Mann-W**
Barium (mg/L)	GWC-19	1.962	No	No	Mann-W
Barium (mg/L)	GWC-20	-0.8934	No	No	Mann-W
Barium (mg/L)	**GWC-21**	**3.779**	**Yes**	**Yes**	**Mann-W**
Barium (mg/L)	GWC-22	-0.2263	No	No	Mann-W
Barium (mg/L)	GWC-23	-1.3	No	No	Mann-W
Barium (mg/L)	GWC-24	-1.8	No	No	Mann-W
Barium (mg/L)	GWC-25	0.3317	No	No	Mann-W
Barium (mg/L)	**GWC-26**	**2.587**	**Yes**	**Yes**	**Mann-W**
Barium (mg/L)	GWC-27	0.4182	No	No	Mann-W
Barium (mg/L)	**GWC-30**	**2.751**	**Yes**	**Yes**	**Mann-W**
Barium (mg/L)	GWC-31	-1.031	No	No	Mann-W
Barium (mg/L)	GWC-32	1.878	No	No	Mann-W
Barium (mg/L)	GWC-33	-0.1786	No	No	Mann-W
Barium (mg/L)	**GWC-34**	**2.88**	**Yes**	**Yes**	**Mann-W**
Barium (mg/L)	GWC-35	2.335	No	No	Mann-W
Barium (mg/L)	GWC-5	-0.4187	No	No	Mann-W
Barium (mg/L)	GWC-6	0.5406	No	No	Mann-W
Barium (mg/L)	GWC-7	-2.481	No	No	Mann-W
Barium (mg/L)	GWC-8	-1.89	No	No	Mann-W
Barium (mg/L)	GWC-9	-0.0986	No	No	Mann-W
Beryllium (mg/L)	**GWA-1 (bg)**	**-3.173**	**Yes**	**Yes**	**Mann-W**
Beryllium (mg/L)	GWA-2 (bg)	-0.3766	No	No	Mann-W
Beryllium (mg/L)	GWA-28 (bg)	-1.25	No	No	Mann-W
Beryllium (mg/L)	GWA-29 (bg)	0.3198	No	No	Mann-W
Beryllium (mg/L)	GWA-3 (bg)	-1.26	No	No	Mann-W
Beryllium (mg/L)	GWC-11	-1.789	No	No	Mann-W
Beryllium (mg/L)	**GWC-12**	**-2.664**	**Yes**	**Yes**	**Mann-W**
Beryllium (mg/L)	GWC-14	-2.044	No	No	Mann-W
Beryllium (mg/L)	GWC-15	-1.891	No	No	Mann-W
Beryllium (mg/L)	**GWC-16**	**-2.664**	**Yes**	**Yes**	**Mann-W**
Beryllium (mg/L)	GWC-17	-1.891	No	No	Mann-W
Beryllium (mg/L)	GWC-18	-1.891	No	No	Mann-W
Beryllium (mg/L)	**GWC-19**	**-2.664**	**Yes**	**Yes**	**Mann-W**
Beryllium (mg/L)	GWC-20	-1.891	No	No	Mann-W
Beryllium (mg/L)	**GWC-21**	**-2.664**	**Yes**	**Yes**	**Mann-W**
Beryllium (mg/L)	**GWC-22**	**-3.296**	**Yes**	**Yes**	**Mann-W**
Beryllium (mg/L)	GWC-23	-0.9069	No	No	Mann-W
Beryllium (mg/L)	GWC-24	-0.6079	No	No	Mann-W
Beryllium (mg/L)	**GWC-25**	**-2.609**	**Yes**	**Yes**	**Mann-W**
Beryllium (mg/L)	**GWC-26**	**-2.664**	**Yes**	**Yes**	**Mann-W**
Beryllium (mg/L)	GWC-27	-1.522	No	No	Mann-W
Beryllium (mg/L)	GWC-30	0.4729	No	No	Mann-W
Beryllium (mg/L)	GWC-31	-2.468	No	No	Mann-W
Beryllium (mg/L)	GWC-32	2.07	No	No	Mann-W

Mann-Whitney Summary Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 11:27 AM

Constituent	Well	Calc.	0.01	Sig.	Method
Beryllium (mg/L)	**GWC-33**	**-2.915**	**Yes**	**Yes**	**Mann-W**
Beryllium (mg/L)	GWC-34	-1.369	No	No	Mann-W
Beryllium (mg/L)	GWC-35	-1.203	No	No	Mann-W
Beryllium (mg/L)	GWC-6	0.4729	No	No	Mann-W
Beryllium (mg/L)	**GWC-8**	**-2.664**	**Yes**	**Yes**	**Mann-W**
Beryllium (mg/L)	GWC-9	-0.6669	No	No	Mann-W
Cadmium (mg/L)	GWA-1 (bg)	0.4729	No	No	Mann-W
Cadmium (mg/L)	GWA-29 (bg)	0.4949	No	No	Mann-W
Cadmium (mg/L)	GWA-3 (bg)	0.6953	No	No	Mann-W
Cadmium (mg/L)	GWC-11	-0.565	No	No	Mann-W
Cadmium (mg/L)	**GWC-14**	**-2.907**	**Yes**	**Yes**	**Mann-W**
Cadmium (mg/L)	GWC-21	-1.977	No	No	Mann-W
Cadmium (mg/L)	**GWC-22**	**-3.296**	**Yes**	**Yes**	**Mann-W**
Cadmium (mg/L)	GWC-24	0.9515	No	No	Mann-W
Cadmium (mg/L)	GWC-25	-1.853	No	No	Mann-W
Cadmium (mg/L)	GWC-8	-1.891	No	No	Mann-W
Chromium (mg/L)	GWA-1 (bg)	-0.7467	No	No	Mann-W
Chromium (mg/L)	GWA-2 (bg)	-0.4155	No	No	Mann-W
Chromium (mg/L)	GWA-28 (bg)	-0.1799	No	No	Mann-W
Chromium (mg/L)	GWA-29 (bg)	-0.3095	No	No	Mann-W
Chromium (mg/L)	GWA-3 (bg)	0.4658	No	No	Mann-W
Chromium (mg/L)	GWA-4 (bg)	0.3735	No	No	Mann-W
Chromium (mg/L)	GWC-10	-0.5322	No	No	Mann-W
Chromium (mg/L)	GWC-11	-0.1722	No	No	Mann-W
Chromium (mg/L)	GWC-12	1.867	No	No	Mann-W
Chromium (mg/L)	GWC-13	1.079	No	No	Mann-W
Chromium (mg/L)	GWC-14	-1.13	No	No	Mann-W
Chromium (mg/L)	GWC-15	-0.05668	No	No	Mann-W
Chromium (mg/L)	GWC-16	-0.7276	No	No	Mann-W
Chromium (mg/L)	GWC-17	0.2355	No	No	Mann-W
Chromium (mg/L)	GWC-18	0.3735	No	No	Mann-W
Chromium (mg/L)	GWC-19	2.354	No	No	Mann-W
Chromium (mg/L)	GWC-20	1.133	No	No	Mann-W
Chromium (mg/L)	GWC-21	1.079	No	No	Mann-W
Chromium (mg/L)	GWC-22	2.549	No	No	Mann-W
Chromium (mg/L)	GWC-23	1.26	No	No	Mann-W
Chromium (mg/L)	GWC-24	2.448	No	No	Mann-W
Chromium (mg/L)	GWC-25	1.253	No	No	Mann-W
Chromium (mg/L)	GWC-26	1.12	No	No	Mann-W
Chromium (mg/L)	GWC-27	1.036	No	No	Mann-W
Chromium (mg/L)	GWC-30	-0.3021	No	No	Mann-W
Chromium (mg/L)	GWC-31	-0.2431	No	No	Mann-W
Chromium (mg/L)	GWC-32	1.012	No	No	Mann-W
Chromium (mg/L)	GWC-33	0.9014	No	No	Mann-W
Chromium (mg/L)	GWC-34	1.036	No	No	Mann-W
Chromium (mg/L)	GWC-35	1.036	No	No	Mann-W
Chromium (mg/L)	GWC-5	1.261	No	No	Mann-W
Chromium (mg/L)	GWC-6	1.162	No	No	Mann-W
Chromium (mg/L)	GWC-7	0.1883	No	No	Mann-W
Chromium (mg/L)	GWC-8	-0.04148	No	No	Mann-W
Chromium (mg/L)	GWC-9	0.8033	No	No	Mann-W
Cobalt (mg/L)	**GWA-1 (bg)**	**-3.704**	**Yes**	**Yes**	**Mann-W**
Cobalt (mg/L)	**GWA-2 (bg)**	**-4.485**	**Yes**	**Yes**	**Mann-W**
Cobalt (mg/L)	GWA-29 (bg)	-2.554	No	No	Mann-W
Cobalt (mg/L)	**GWA-3 (bg)**	**-2.826**	**Yes**	**Yes**	**Mann-W**

Mann-Whitney Summary Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 11:27 AM

Constituent	Well	Calc.	0.01	Sig.	Method
Cobalt (mg/L)	GWA-4 (bg)	0.4171	No	No	Mann-W
Cobalt (mg/L)	GWC-10	-0.8878	No	No	Mann-W
Cobalt (mg/L)	**GWC-11**	**-3.729**	**Yes**	**Yes**	**Mann-W**
Cobalt (mg/L)	**GWC-12**	**-3.836**	**Yes**	**Yes**	**Mann-W**
Cobalt (mg/L)	GWC-15	-1.078	No	No	Mann-W
Cobalt (mg/L)	GWC-16	-1.853	No	No	Mann-W
Cobalt (mg/L)	**GWC-19**	**-3.519**	**Yes**	**Yes**	**Mann-W**
Cobalt (mg/L)	GWC-20	0.2105	No	No	Mann-W
Cobalt (mg/L)	GWC-21	0.1974	No	No	Mann-W
Cobalt (mg/L)	**GWC-22**	**-2.664**	**Yes**	**Yes**	**Mann-W**
Cobalt (mg/L)	**GWC-23**	**-2.823**	**Yes**	**Yes**	**Mann-W**
Cobalt (mg/L)	GWC-24	1.047	No	No	Mann-W
Cobalt (mg/L)	GWC-25	-2.014	No	No	Mann-W
Cobalt (mg/L)	**GWC-26**	**-2.778**	**Yes**	**Yes**	**Mann-W**
Cobalt (mg/L)	GWC-27	-2.412	No	No	Mann-W
Cobalt (mg/L)	GWC-31	-2.417	No	No	Mann-W
Cobalt (mg/L)	GWC-32	-2.381	No	No	Mann-W
Cobalt (mg/L)	GWC-33	-2.224	No	No	Mann-W
Cobalt (mg/L)	GWC-34	-0.9858	No	No	Mann-W
Cobalt (mg/L)	**GWC-35**	**-4.19**	**Yes**	**Yes**	**Mann-W**
Cobalt (mg/L)	**GWC-5**	**-3.507**	**Yes**	**Yes**	**Mann-W**
Cobalt (mg/L)	GWC-6	1.947	No	No	Mann-W
Cobalt (mg/L)	GWC-7	-2.529	No	No	Mann-W
Cobalt (mg/L)	GWC-8	-1.991	No	No	Mann-W
Cobalt (mg/L)	GWC-9	-2.167	No	No	Mann-W
Copper (mg/L)	**GWA-2 (bg)**	**-2.915**	**Yes**	**Yes**	**Mann-W**
Copper (mg/L)	GWA-28 (bg)	0.5669	No	No	Mann-W
Copper (mg/L)	GWA-29 (bg)	-2.31	No	No	Mann-W
Copper (mg/L)	GWC-11	1.669	No	No	Mann-W
Copper (mg/L)	GWC-12	-1.606	No	No	Mann-W
Copper (mg/L)	GWC-13	-1.571	No	No	Mann-W
Copper (mg/L)	GWC-14	-1.417	No	No	Mann-W
Copper (mg/L)	GWC-15	1.417	No	No	Mann-W
Copper (mg/L)	GWC-16	-1.606	No	No	Mann-W
Copper (mg/L)	GWC-17	-0.7515	No	No	Mann-W
Copper (mg/L)	GWC-19	-1.606	No	No	Mann-W
Copper (mg/L)	GWC-20	-1.554	No	No	Mann-W
Copper (mg/L)	GWC-21	-1.606	No	No	Mann-W
Copper (mg/L)	GWC-22	-1.606	No	No	Mann-W
Copper (mg/L)	GWC-23	-1.897	No	No	Mann-W
Copper (mg/L)	GWC-25	0.2261	No	No	Mann-W
Copper (mg/L)	**GWC-26**	**-3.485**	**Yes**	**Yes**	**Mann-W**
Copper (mg/L)	GWC-27	-1.535	No	No	Mann-W
Copper (mg/L)	GWC-31	-1.065	No	No	Mann-W
Copper (mg/L)	GWC-33	-0.7063	No	No	Mann-W
Copper (mg/L)	GWC-34	-1.606	No	No	Mann-W
Copper (mg/L)	GWC-35	0.3239	No	No	Mann-W
Copper (mg/L)	GWC-5	1.141	No	No	Mann-W
Copper (mg/L)	GWC-6	-0.06832	No	No	Mann-W
Copper (mg/L)	**GWC-8**	**-2.598**	**Yes**	**Yes**	**Mann-W**
Copper (mg/L)	GWC-9	-1.769	No	No	Mann-W
Lead (mg/L)	GWA-2 (bg)	-1.891	No	No	Mann-W
Lead (mg/L)	GWA-28 (bg)	-1.891	No	No	Mann-W
Lead (mg/L)	**GWA-29 (bg)**	**-4.211**	**Yes**	**Yes**	**Mann-W**
Lead (mg/L)	GWA-3 (bg)	-1.321	No	No	Mann-W

Mann-Whitney Summary Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 11:27 AM

Constituent	Well	Calc.	0.01	Sig.	Method
Lead (mg/L)	GWA-4 (bg)	-1.891	No	No	Mann-W
Lead (mg/L)	GWC-10	-1.903	No	No	Mann-W
Lead (mg/L)	**GWC-11**	**-2.664**	**Yes**	**Yes**	**Mann-W**
Lead (mg/L)	GWC-12	-1.891	No	No	Mann-W
Lead (mg/L)	GWC-15	-1.891	No	No	Mann-W
Lead (mg/L)	GWC-17	0.4729	No	No	Mann-W
Lead (mg/L)	GWC-18	-1.853	No	No	Mann-W
Lead (mg/L)	**GWC-19**	**-3.07**	**Yes**	**Yes**	**Mann-W**
Lead (mg/L)	**GWC-20**	**-2.611**	**Yes**	**Yes**	**Mann-W**
Lead (mg/L)	**GWC-21**	**-3.296**	**Yes**	**Yes**	**Mann-W**
Lead (mg/L)	**GWC-22**	**-2.664**	**Yes**	**Yes**	**Mann-W**
Lead (mg/L)	**GWC-23**	**-3.296**	**Yes**	**Yes**	**Mann-W**
Lead (mg/L)	**GWC-24**	**-2.667**	**Yes**	**Yes**	**Mann-W**
Lead (mg/L)	**GWC-25**	**-4.21**	**Yes**	**Yes**	**Mann-W**
Lead (mg/L)	GWC-26	-1.13	No	No	Mann-W
Lead (mg/L)	**GWC-27**	**-3.858**	**Yes**	**Yes**	**Mann-W**
Lead (mg/L)	GWC-30	-1.891	No	No	Mann-W
Lead (mg/L)	**GWC-31**	**-3.273**	**Yes**	**Yes**	**Mann-W**
Lead (mg/L)	**GWC-33**	**-3.229**	**Yes**	**Yes**	**Mann-W**
Lead (mg/L)	GWC-34	-1.891	No	No	Mann-W
Lead (mg/L)	GWC-5	-1.891	No	No	Mann-W
Lead (mg/L)	GWC-8	-1.977	No	No	Mann-W
Lead (mg/L)	GWC-9	-1.891	No	No	Mann-W
Mercury (mg/L)	GWA-1 (bg)	0.7368	No	No	Mann-W
Mercury (mg/L)	GWA-2 (bg)	0.7368	No	No	Mann-W
Mercury (mg/L)	GWA-28 (bg)	0.7368	No	No	Mann-W
Mercury (mg/L)	GWA-29 (bg)	1.65	No	No	Mann-W
Mercury (mg/L)	GWA-3 (bg)	0.7559	No	No	Mann-W
Mercury (mg/L)	GWA-4 (bg)	0.7368	No	No	Mann-W
Mercury (mg/L)	GWC-10	1.03	No	No	Mann-W
Mercury (mg/L)	GWC-11	0.7368	No	No	Mann-W
Mercury (mg/L)	GWC-12	0.4729	No	No	Mann-W
Mercury (mg/L)	GWC-13	0.7368	No	No	Mann-W
Mercury (mg/L)	GWC-14	1.284	No	No	Mann-W
Mercury (mg/L)	GWC-15	0.7368	No	No	Mann-W
Mercury (mg/L)	GWC-16	0.7368	No	No	Mann-W
Mercury (mg/L)	GWC-17	-0.05668	No	No	Mann-W
Mercury (mg/L)	GWC-18	0.7368	No	No	Mann-W
Mercury (mg/L)	GWC-19	0.7368	No	No	Mann-W
Mercury (mg/L)	GWC-20	0.7368	No	No	Mann-W
Mercury (mg/L)	GWC-21	1.12	No	No	Mann-W
Mercury (mg/L)	GWC-22	0.7368	No	No	Mann-W
Mercury (mg/L)	GWC-23	0.4729	No	No	Mann-W
Mercury (mg/L)	GWC-24	0.6061	No	No	Mann-W
Mercury (mg/L)	GWC-25	0.4835	No	No	Mann-W
Mercury (mg/L)	GWC-26	0.7368	No	No	Mann-W
Mercury (mg/L)	GWC-27	0.7368	No	No	Mann-W
Mercury (mg/L)	GWC-30	-0.4708	No	No	Mann-W
Mercury (mg/L)	GWC-31	-0.7072	No	No	Mann-W
Mercury (mg/L)	GWC-32	0.4729	No	No	Mann-W
Mercury (mg/L)	GWC-33	0.4835	No	No	Mann-W
Mercury (mg/L)	GWC-34	0.9416	No	No	Mann-W
Mercury (mg/L)	GWC-35	0.4729	No	No	Mann-W
Mercury (mg/L)	GWC-5	0.4729	No	No	Mann-W
Mercury (mg/L)	GWC-6	0.7368	No	No	Mann-W

Mann-Whitney Summary Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 11:27 AM

Constituent	Well	Calc.	0.01	Sig.	Method
Mercury (mg/L)	GWC-7	0.4729	No	No	Mann-W
Mercury (mg/L)	GWC-8	1.666	No	No	Mann-W
Mercury (mg/L)	GWC-9	-0.3766	No	No	Mann-W
Nickel (mg/L)	**GWA-1 (bg)**	**-4.633**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWA-2 (bg)**	**-3.757**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWA-28 (bg)**	**-3.418**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWA-29 (bg)**	**-2.745**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	GWA-4 (bg)	-1.655	No	No	Mann-W
Nickel (mg/L)	GWC-11	-0.9699	No	No	Mann-W
Nickel (mg/L)	GWC-12	-2.254	No	No	Mann-W
Nickel (mg/L)	**GWC-13**	**-3.748**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	GWC-15	-2.254	No	No	Mann-W
Nickel (mg/L)	GWC-16	-2.254	No	No	Mann-W
Nickel (mg/L)	**GWC-17**	**-2.798**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	GWC-18	-0.06832	No	No	Mann-W
Nickel (mg/L)	**GWC-19**	**-4.634**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	GWC-20	-2.254	No	No	Mann-W
Nickel (mg/L)	**GWC-21**	**-4.633**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	GWC-22	-2.254	No	No	Mann-W
Nickel (mg/L)	**GWC-23**	**-4.196**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	GWC-25	0.1419	No	No	Mann-W
Nickel (mg/L)	**GWC-26**	**-3.321**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-27**	**-2.796**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	GWC-31	-1.993	No	No	Mann-W
Nickel (mg/L)	GWC-32	-1.375	No	No	Mann-W
Nickel (mg/L)	GWC-33	-0.5843	No	No	Mann-W
Nickel (mg/L)	**GWC-34**	**-4.254**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	**GWC-35**	**-3.786**	**Yes**	**Yes**	**Mann-W**
Nickel (mg/L)	GWC-5	-0.9717	No	No	Mann-W
Nickel (mg/L)	GWC-6	2.572	No	No	Mann-W
Nickel (mg/L)	GWC-7	-1.509	No	No	Mann-W
Nickel (mg/L)	GWC-8	1.676	No	No	Mann-W
Nickel (mg/L)	GWC-9	-0.4114	No	No	Mann-W
Selenium (mg/L)	GWA-1 (bg)	0.4729	No	No	Mann-W
Selenium (mg/L)	GWA-28 (bg)	0.7368	No	No	Mann-W
Selenium (mg/L)	GWA-29 (bg)	0.9879	No	No	Mann-W
Selenium (mg/L)	GWA-4 (bg)	0.4729	No	No	Mann-W
Selenium (mg/L)	GWC-11	1.12	No	No	Mann-W
Selenium (mg/L)	GWC-12	0.4729	No	No	Mann-W
Selenium (mg/L)	GWC-13	0.4729	No	No	Mann-W
Selenium (mg/L)	GWC-14	-1.451	No	No	Mann-W
Selenium (mg/L)	GWC-15	0.4729	No	No	Mann-W
Selenium (mg/L)	GWC-16	0.4729	No	No	Mann-W
Selenium (mg/L)	GWC-18	0.4729	No	No	Mann-W
Selenium (mg/L)	GWC-21	0.4729	No	No	Mann-W
Selenium (mg/L)	GWC-22	0.4729	No	No	Mann-W
Selenium (mg/L)	GWC-25	0.4835	No	No	Mann-W
Selenium (mg/L)	GWC-26	0.7368	No	No	Mann-W
Selenium (mg/L)	GWC-27	0.4729	No	No	Mann-W
Selenium (mg/L)	GWC-30	0.7368	No	No	Mann-W
Selenium (mg/L)	GWC-31	1.472	No	No	Mann-W
Selenium (mg/L)	GWC-32	0.4729	No	No	Mann-W
Selenium (mg/L)	GWC-33	1.147	No	No	Mann-W
Selenium (mg/L)	GWC-35	0.4729	No	No	Mann-W
Selenium (mg/L)	GWC-5	0.7368	No	No	Mann-W

Mann-Whitney Summary Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 11:27 AM

Constituent	Well	Calc.	0.01	Sig.	Method
Selenium (mg/L)	GWC-6	0.7368	No	No	Mann-W
Selenium (mg/L)	GWC-8	1.12	No	No	Mann-W
Selenium (mg/L)	GWC-9	1.147	No	No	Mann-W
Silver (mg/L)	GWA-29 (bg)	-1.248	No	No	Mann-W
Silver (mg/L)	GWC-11	-1.606	No	No	Mann-W
Silver (mg/L)	GWC-12	-1.606	No	No	Mann-W
Silver (mg/L)	GWC-14	0.5669	No	No	Mann-W
Silver (mg/L)	GWC-16	-1.606	No	No	Mann-W
Silver (mg/L)	GWC-17	-1.606	No	No	Mann-W
Silver (mg/L)	GWC-21	-1.606	No	No	Mann-W
Silver (mg/L)	GWC-22	-1.606	No	No	Mann-W
Silver (mg/L)	GWC-23	-1.606	No	No	Mann-W
Silver (mg/L)	GWC-25	-1.561	No	No	Mann-W
Silver (mg/L)	GWC-26	-1.606	No	No	Mann-W
Silver (mg/L)	GWC-27	-1.561	No	No	Mann-W
Silver (mg/L)	GWC-31	-0.4838	No	No	Mann-W
Silver (mg/L)	GWC-32	-1.606	No	No	Mann-W
Silver (mg/L)	GWC-33	-1.561	No	No	Mann-W
Silver (mg/L)	GWC-5	-1.606	No	No	Mann-W
Silver (mg/L)	GWC-6	1.435	No	No	Mann-W
Thallium (mg/L)	**GWA-1 (bg)**	**-3.858**	**Yes**	**Yes**	**Mann-W**
Thallium (mg/L)	GWA-2 (bg)	-1.853	No	No	Mann-W
Thallium (mg/L)	GWA-4 (bg)	0.7373	No	No	Mann-W
Thallium (mg/L)	GWC-11	-1.815	No	No	Mann-W
Thallium (mg/L)	GWC-12	-2.554	No	No	Mann-W
Thallium (mg/L)	GWC-13	-1.815	No	No	Mann-W
Thallium (mg/L)	GWC-14	0	No	No	Mann-W
Thallium (mg/L)	**GWC-15**	**-2.664**	**Yes**	**Yes**	**Mann-W**
Thallium (mg/L)	GWC-19	-0.9069	No	No	Mann-W
Thallium (mg/L)	GWC-20	-1.891	No	No	Mann-W
Thallium (mg/L)	**GWC-21**	**-3.296**	**Yes**	**Yes**	**Mann-W**
Thallium (mg/L)	**GWC-22**	**-3.296**	**Yes**	**Yes**	**Mann-W**
Thallium (mg/L)	GWC-23	-2.554	No	No	Mann-W
Thallium (mg/L)	GWC-24	-2.053	No	No	Mann-W
Thallium (mg/L)	GWC-25	-2.497	No	No	Mann-W
Thallium (mg/L)	GWC-27	-0.1361	No	No	Mann-W
Thallium (mg/L)	GWC-30	-1.815	No	No	Mann-W
Thallium (mg/L)	GWC-31	-1.65	No	No	Mann-W
Thallium (mg/L)	GWC-33	1.174	No	No	Mann-W
Thallium (mg/L)	GWC-34	-1.853	No	No	Mann-W
Thallium (mg/L)	GWC-35	-1.735	No	No	Mann-W
Thallium (mg/L)	GWC-6	-0.992	No	No	Mann-W
Thallium (mg/L)	GWC-7	0.4949	No	No	Mann-W
Thallium (mg/L)	GWC-8	-0.2587	No	No	Mann-W
Thallium (mg/L)	GWC-9	-1.405	No	No	Mann-W
Vanadium (mg/L)	GWA-1 (bg)	2.118	No	No	Mann-W
Vanadium (mg/L)	GWA-2 (bg)	1.558	No	No	Mann-W
Vanadium (mg/L)	**GWA-28 (bg)**	**3.055**	**Yes**	**Yes**	**Mann-W**
Vanadium (mg/L)	**GWA-29 (bg)**	**2.684**	**Yes**	**Yes**	**Mann-W**
Vanadium (mg/L)	GWA-4 (bg)	0.8255	No	No	Mann-W
Vanadium (mg/L)	GWC-11	-0.06725	No	No	Mann-W
Vanadium (mg/L)	GWC-12	2.118	No	No	Mann-W
Vanadium (mg/L)	GWC-13	2.077	No	No	Mann-W
Vanadium (mg/L)	GWC-14	0.6572	No	No	Mann-W
Vanadium (mg/L)	GWC-15	1.86	No	No	Mann-W

Mann-Whitney Summary Appendix I - All Results

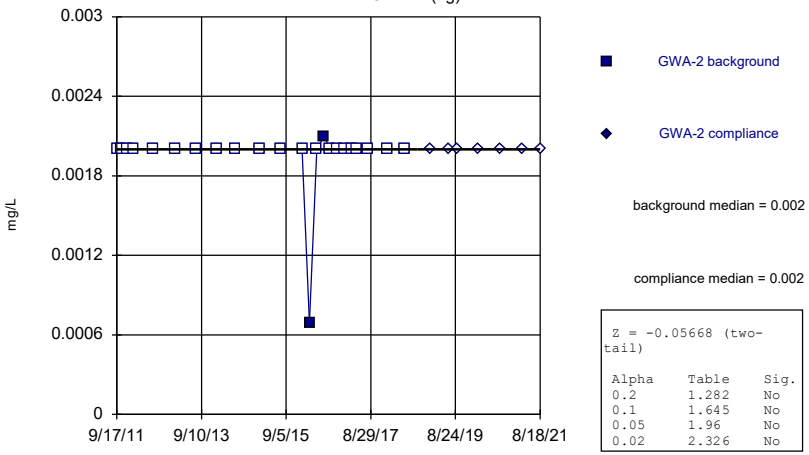
Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 11:27 AM

Constituent	Well	Calc.	0.01	Sig.	Method
Vanadium (mg/L)	GWC-16	0.4045	No	No	Mann-W
Vanadium (mg/L)	GWC-17	0.205	No	No	Mann-W
Vanadium (mg/L)	GWC-18	-2.128	No	No	Mann-W
Vanadium (mg/L)	GWC-19	1.182	No	No	Mann-W
Vanadium (mg/L)	GWC-20	-1.763	No	No	Mann-W
Vanadium (mg/L)	GWC-21	0.05705	No	No	Mann-W
Vanadium (mg/L)	GWC-22	0.1675	No	No	Mann-W
Vanadium (mg/L)	GWC-23	-0.5742	No	No	Mann-W
Vanadium (mg/L)	GWC-25	0.7318	No	No	Mann-W
Vanadium (mg/L)	**GWC-26**	**2.681**	**Yes**	**Yes**	**Mann-W**
Vanadium (mg/L)	GWC-27	1.417	No	No	Mann-W
Vanadium (mg/L)	**GWC-30**	**-2.596**	**Yes**	**Yes**	**Mann-W**
Vanadium (mg/L)	GWC-31	0.5859	No	No	Mann-W
Vanadium (mg/L)	GWC-32	2.339	No	No	Mann-W
Vanadium (mg/L)	GWC-33	1.153	No	No	Mann-W
Vanadium (mg/L)	GWC-34	0.4782	No	No	Mann-W
Vanadium (mg/L)	GWC-35	0.1851	No	No	Mann-W
Vanadium (mg/L)	GWC-5	-2.273	No	No	Mann-W
Vanadium (mg/L)	GWC-6	0.1851	No	No	Mann-W
Vanadium (mg/L)	GWC-7	-0.3487	No	No	Mann-W
Vanadium (mg/L)	GWC-8	1.824	No	No	Mann-W
Vanadium (mg/L)	GWC-9	0.7468	No	No	Mann-W
Zinc (mg/L)	GWA-1 (bg)	-0.1479	No	No	Mann-W
Zinc (mg/L)	GWA-2 (bg)	-0.7118	No	No	Mann-W
Zinc (mg/L)	GWA-28 (bg)	1.909	No	No	Mann-W
Zinc (mg/L)	GWA-29 (bg)	-0.6703	No	No	Mann-W
Zinc (mg/L)	GWA-4 (bg)	-0.4013	No	No	Mann-W
Zinc (mg/L)	GWC-11	1.804	No	No	Mann-W
Zinc (mg/L)	GWC-12	0.9605	No	No	Mann-W
Zinc (mg/L)	GWC-13	0.615	No	No	Mann-W
Zinc (mg/L)	**GWC-14**	**3.488**	**Yes**	**Yes**	**Mann-W**
Zinc (mg/L)	GWC-15	-0.05705	No	No	Mann-W
Zinc (mg/L)	GWC-16	0.9431	No	No	Mann-W
Zinc (mg/L)	GWC-17	1.611	No	No	Mann-W
Zinc (mg/L)	GWC-18	0.9035	No	No	Mann-W
Zinc (mg/L)	GWC-19	-1.068	No	No	Mann-W
Zinc (mg/L)	GWC-20	1.925	No	No	Mann-W
Zinc (mg/L)	GWC-21	-1.781	No	No	Mann-W
Zinc (mg/L)	GWC-22	0.533	No	No	Mann-W
Zinc (mg/L)	GWC-23	0.1146	No	No	Mann-W
Zinc (mg/L)	GWC-25	1.093	No	No	Mann-W
Zinc (mg/L)	GWC-26	0.6483	No	No	Mann-W
Zinc (mg/L)	GWC-27	0.8476	No	No	Mann-W
Zinc (mg/L)	GWC-30	1.326	No	No	Mann-W
Zinc (mg/L)	GWC-31	-0.4229	No	No	Mann-W
Zinc (mg/L)	GWC-32	0.5348	No	No	Mann-W
Zinc (mg/L)	GWC-33	1.852	No	No	Mann-W
Zinc (mg/L)	GWC-34	0.7463	No	No	Mann-W
Zinc (mg/L)	GWC-35	0.8616	No	No	Mann-W
Zinc (mg/L)	GWC-5	1.746	No	No	Mann-W
Zinc (mg/L)	GWC-6	0	No	No	Mann-W
Zinc (mg/L)	GWC-7	1.2	No	No	Mann-W
Zinc (mg/L)	GWC-8	0.9067	No	No	Mann-W
Zinc (mg/L)	GWC-9	0.9491	No	No	Mann-W

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-2 (bg)



Z = -0.05668 (two-tail)

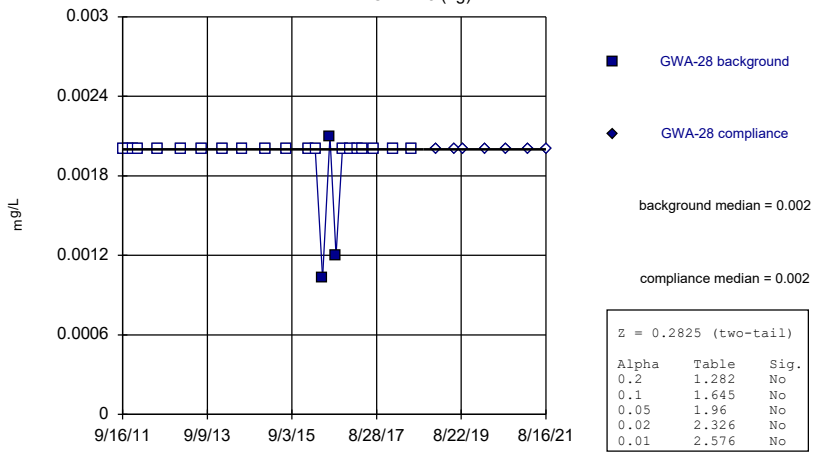
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No

Constituent: Antimony Analysis Run 5/14/2022 11:16 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-28 (bg)



Z = 0.2825 (two-tail)

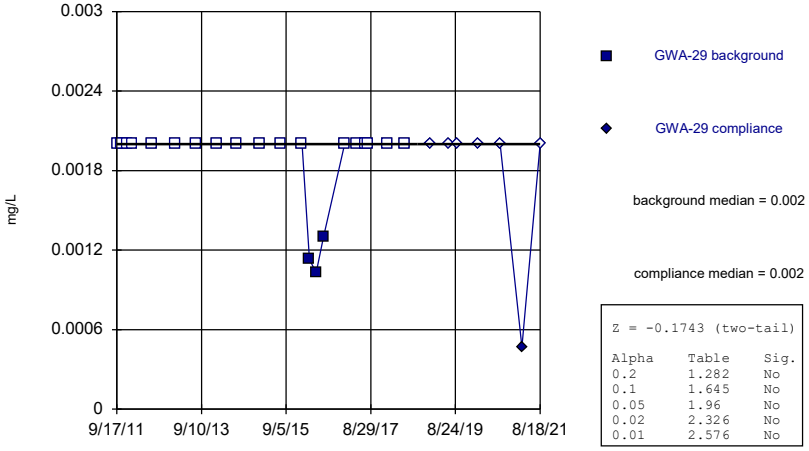
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Antimony Analysis Run 5/14/2022 11:16 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-29 (bg)



Z = -0.1743 (two-tail)

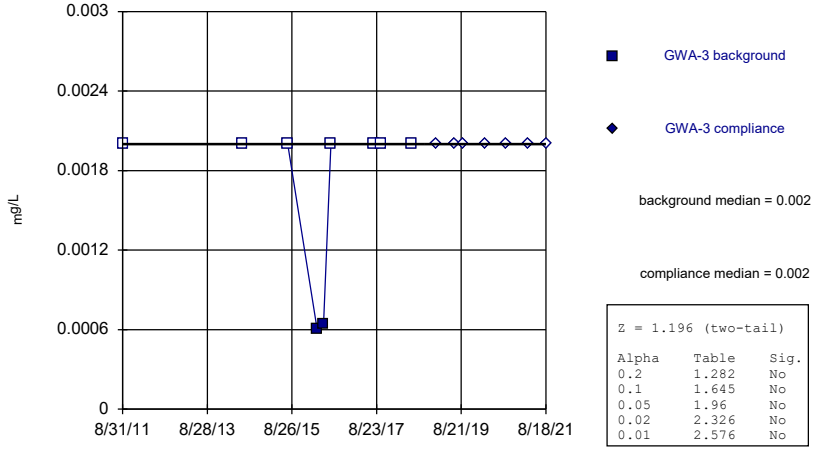
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Antimony Analysis Run 5/14/2022 11:16 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-3 (bg)



Z = 1.196 (two-tail)

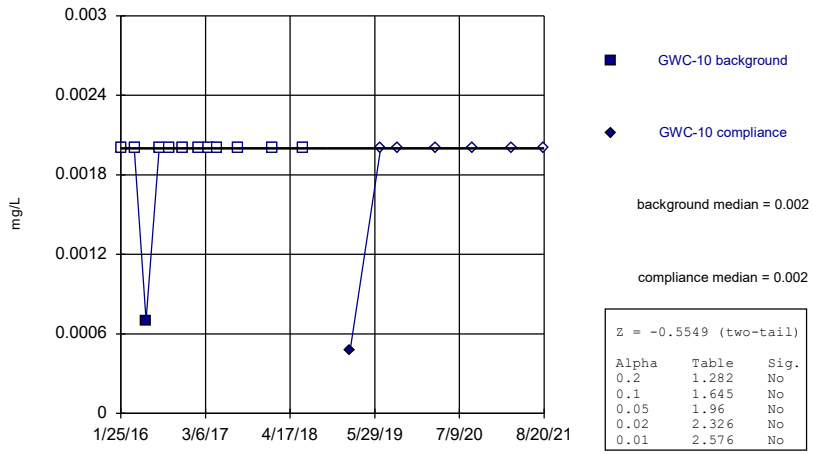
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Antimony Analysis Run 5/14/2022 11:16 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-10



Z = -0.5549 (two-tail)

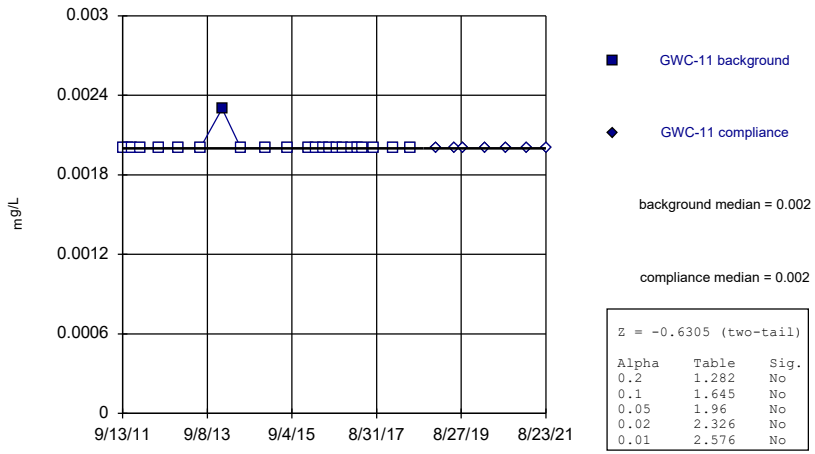
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Antimony Analysis Run 5/14/2022 11:16 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-11



Z = -0.6305 (two-tail)

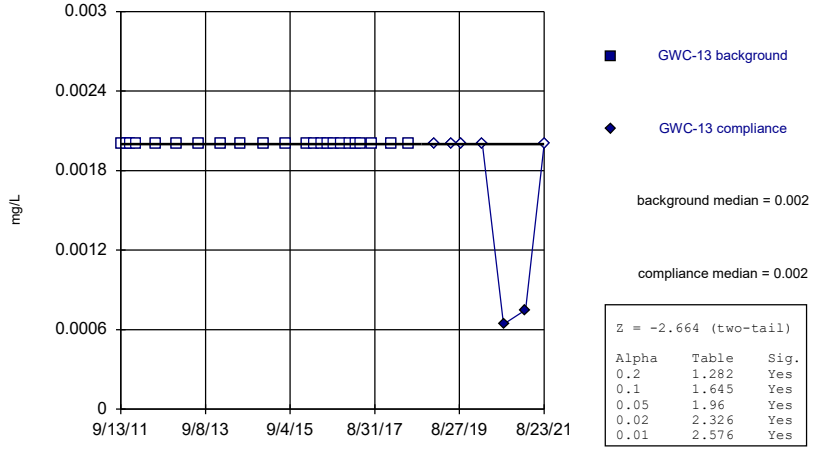
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Antimony Analysis Run 5/14/2022 11:16 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-13



Z = -2.664 (two-tail)

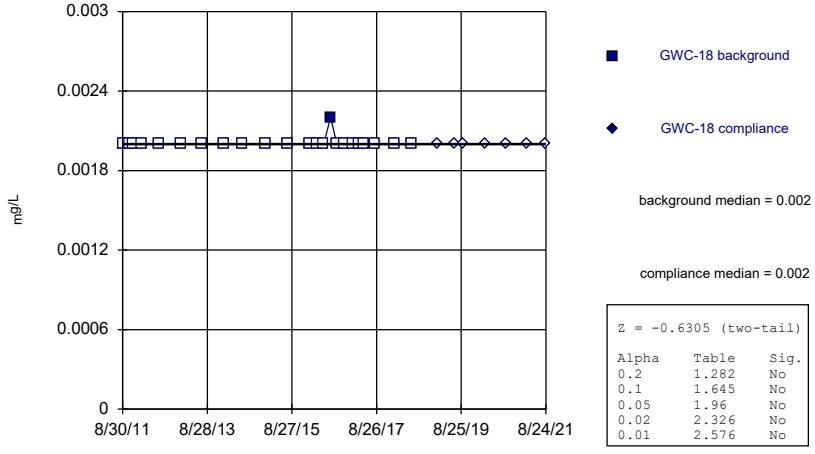
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Antimony Analysis Run 5/14/2022 11:16 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-18



Z = -0.6305 (two-tail)

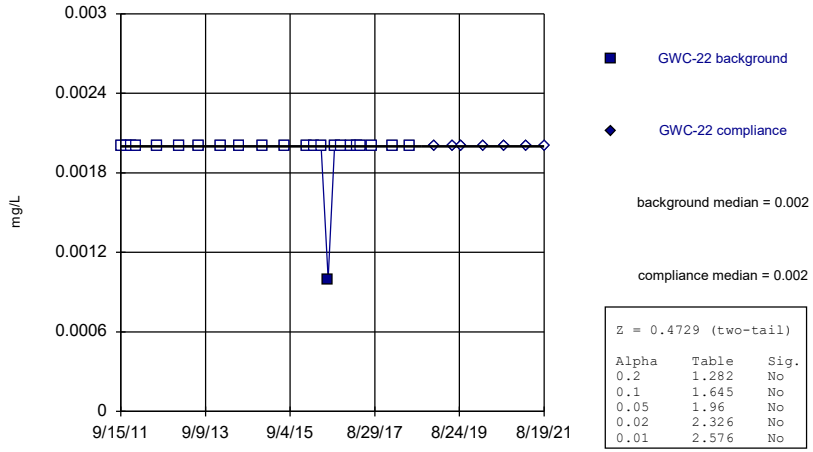
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Antimony Analysis Run 5/14/2022 11:16 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-22



Z = 0.4729 (two-tail)

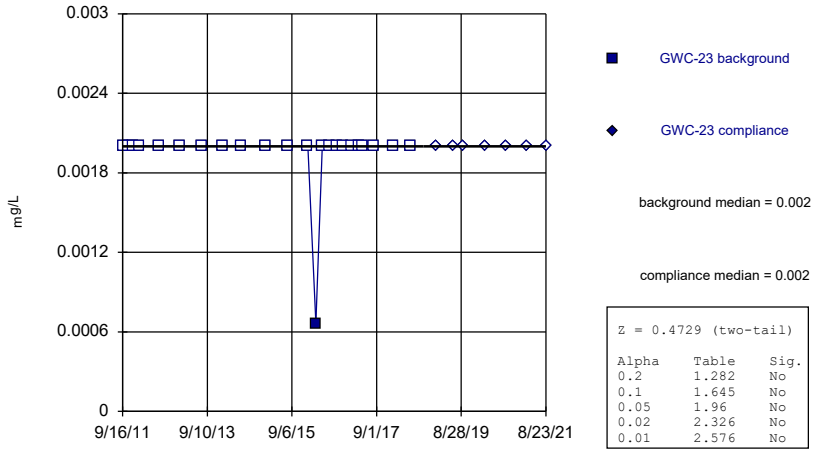
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Antimony Analysis Run 5/14/2022 11:16 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-23



Z = 0.4729 (two-tail)

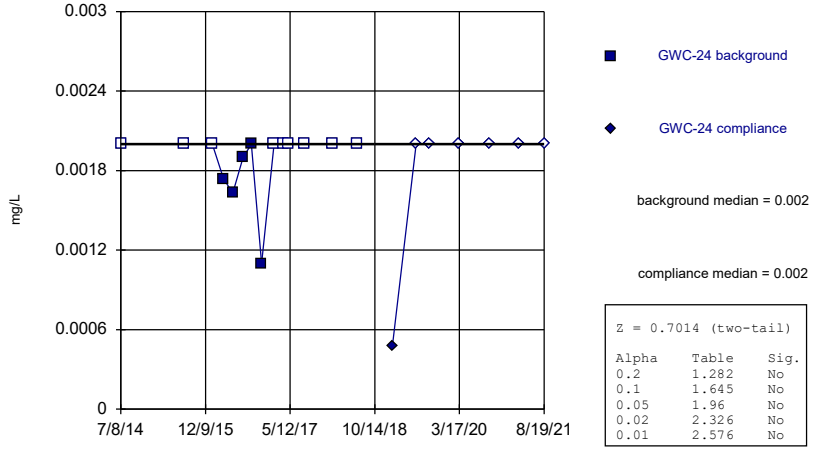
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Antimony Analysis Run 5/14/2022 11:16 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-24



Z = 0.7014 (two-tail)

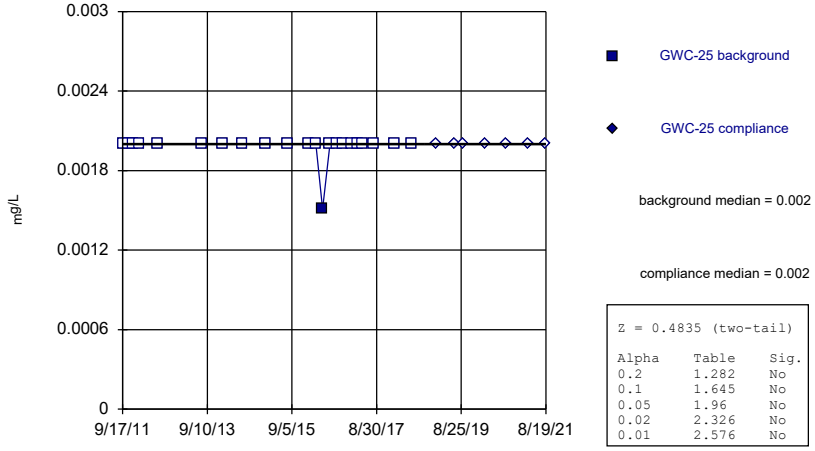
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Antimony Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-25



Z = 0.4835 (two-tail)

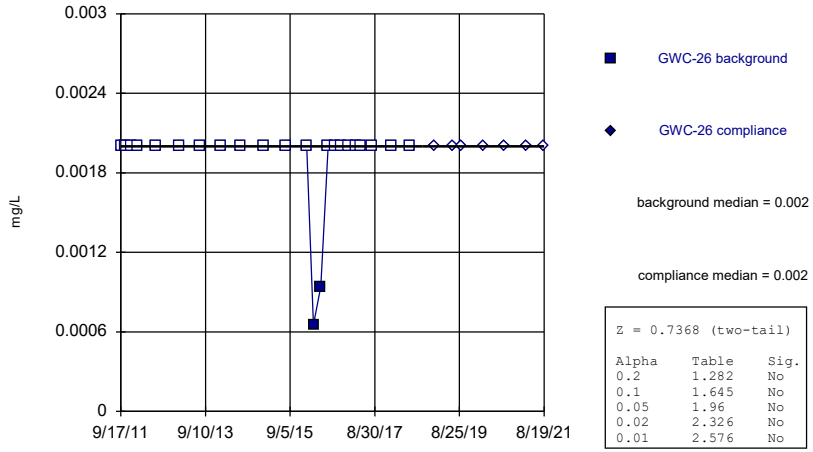
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Antimony Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-26



Z = 0.7368 (two-tail)

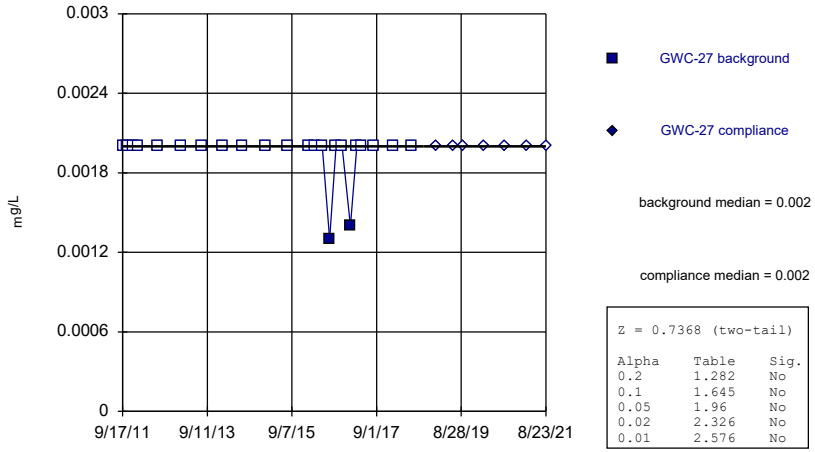
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Antimony Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-27



Z = 0.7368 (two-tail)

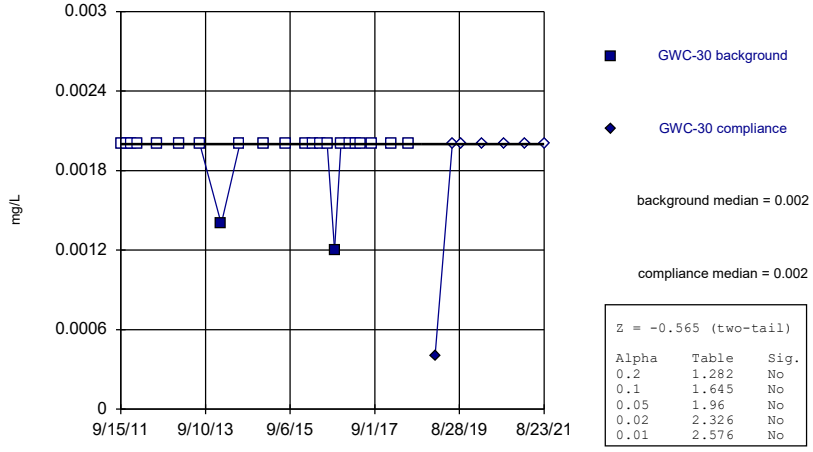
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Antimony Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-30



Z = -0.565 (two-tail)

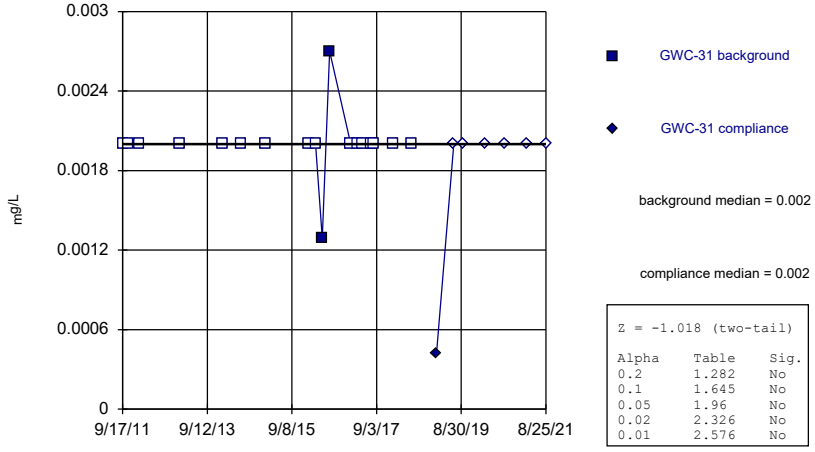
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Antimony Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-31



Z = -1.018 (two-tail)

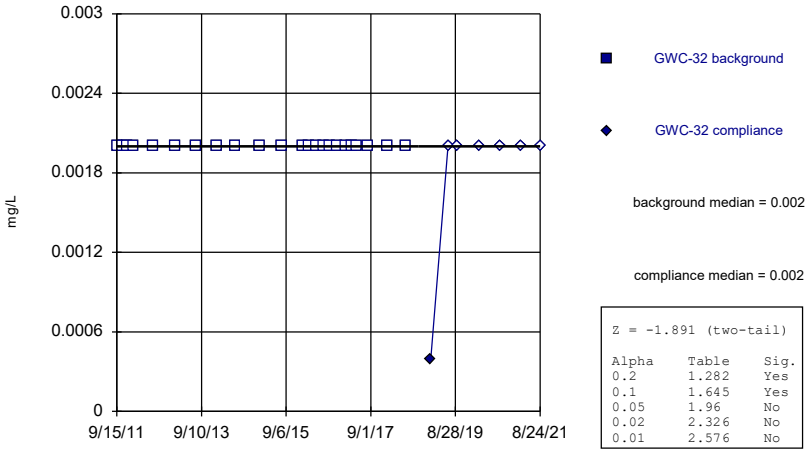
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Antimony Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-32



Z = -1.891 (two-tail)

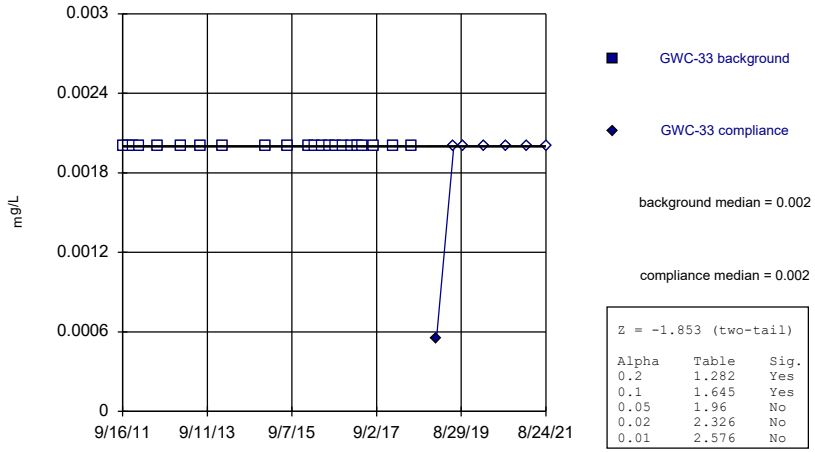
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Antimony Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-33



Z = -1.853 (two-tail)

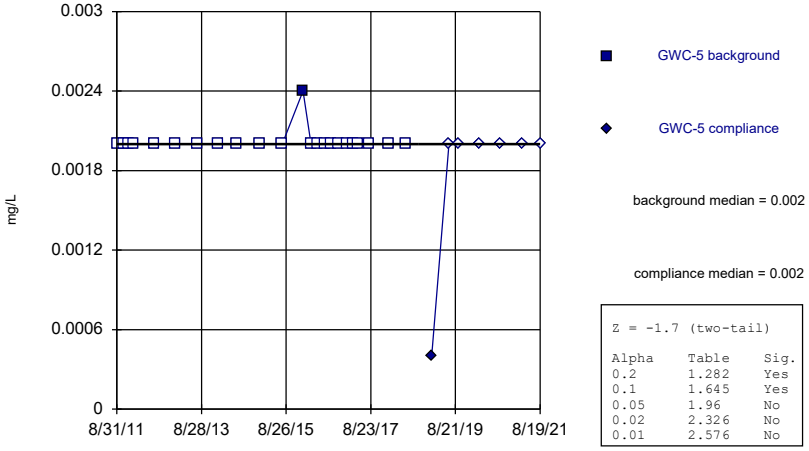
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Antimony Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-5



Z = -1.7 (two-tail)

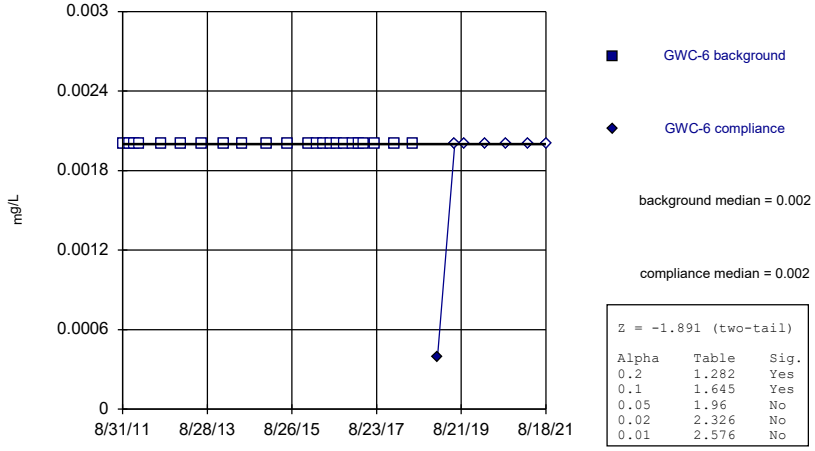
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Antimony Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-6



Z = -1.891 (two-tail)

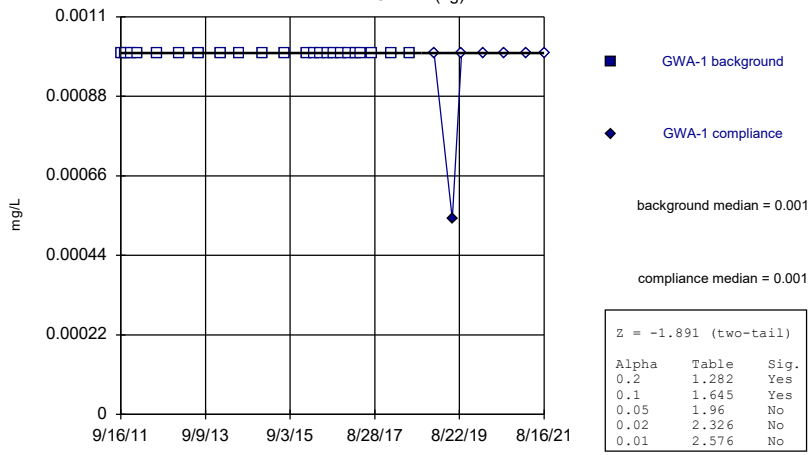
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Antimony Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-1 (bg)



Z = -1.891 (two-tail)

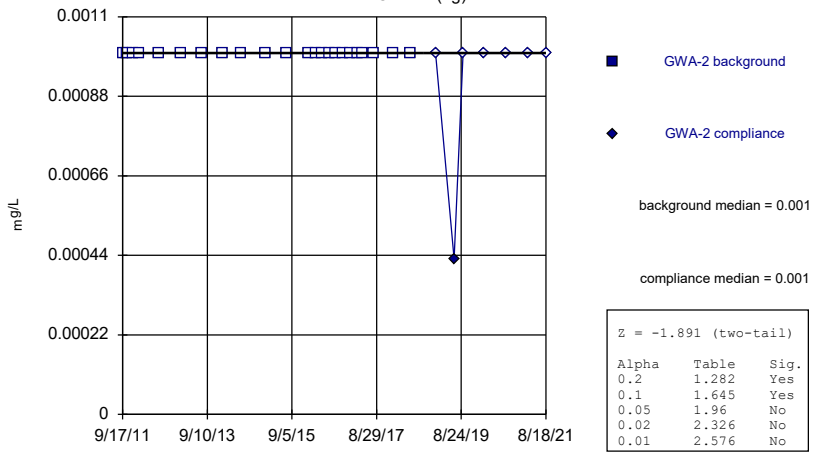
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-2 (bg)



Z = -1.891 (two-tail)

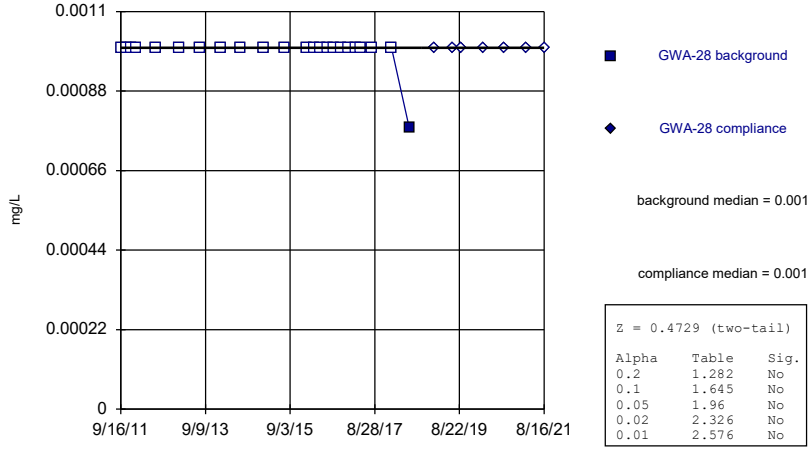
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-28 (bg)



Z = 0.4729 (two-tail)

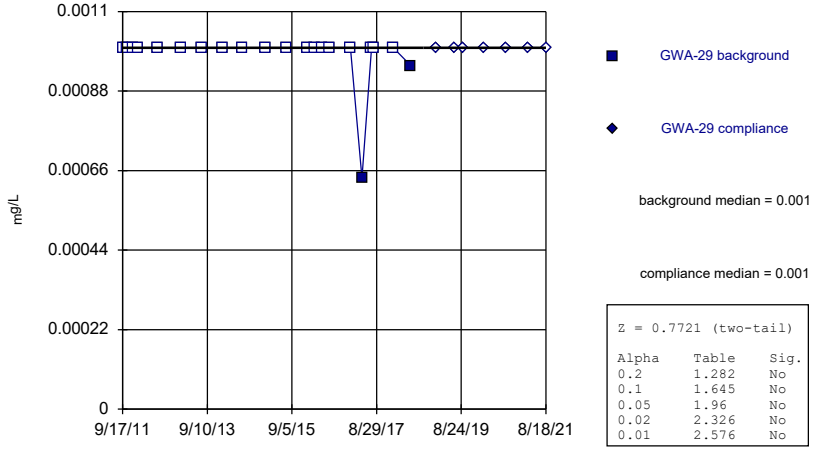
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-29 (bg)



Z = 0.7721 (two-tail)

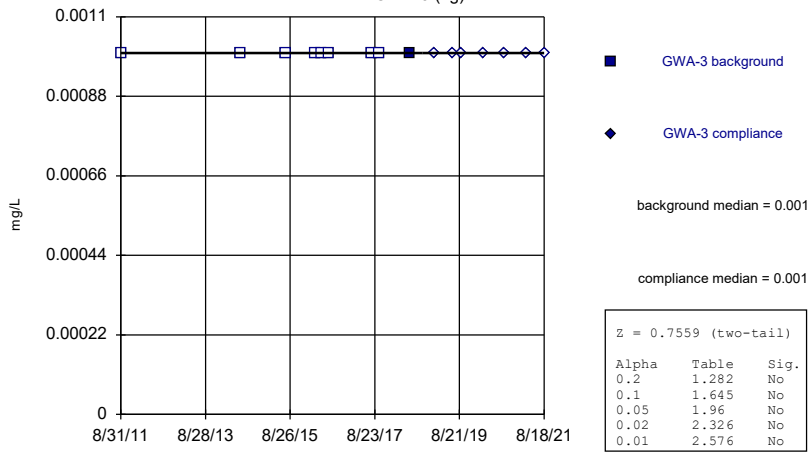
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-3 (bg)



Z = 0.7559 (two-tail)

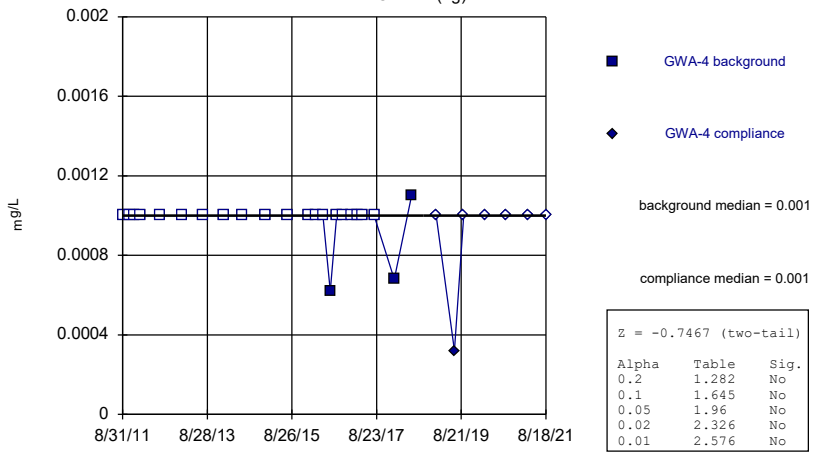
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-4 (bg)



Z = -0.7467 (two-tail)

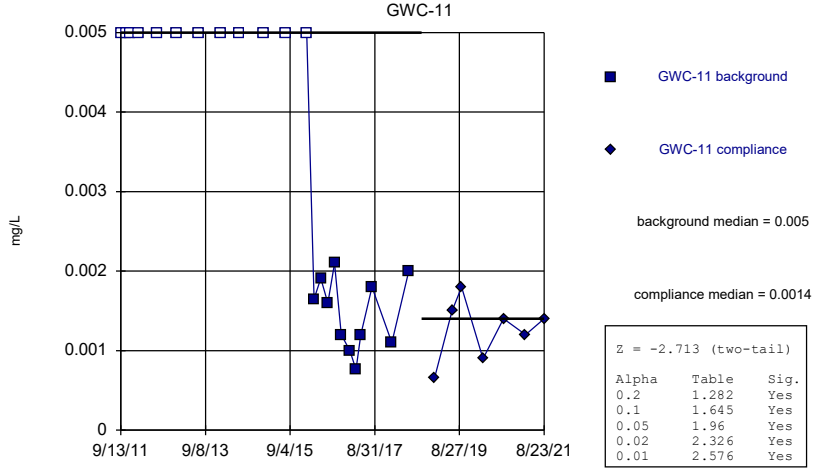
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-11



Z = -2.713 (two-tail)

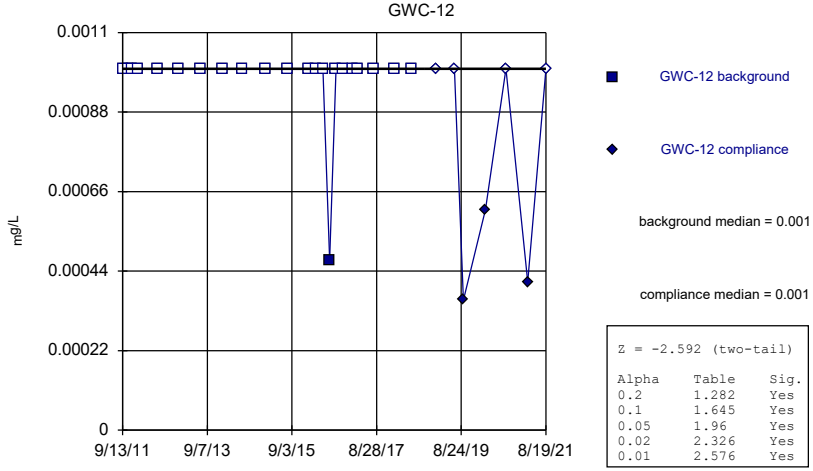
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Arsenic Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-12



Z = -2.592 (two-tail)

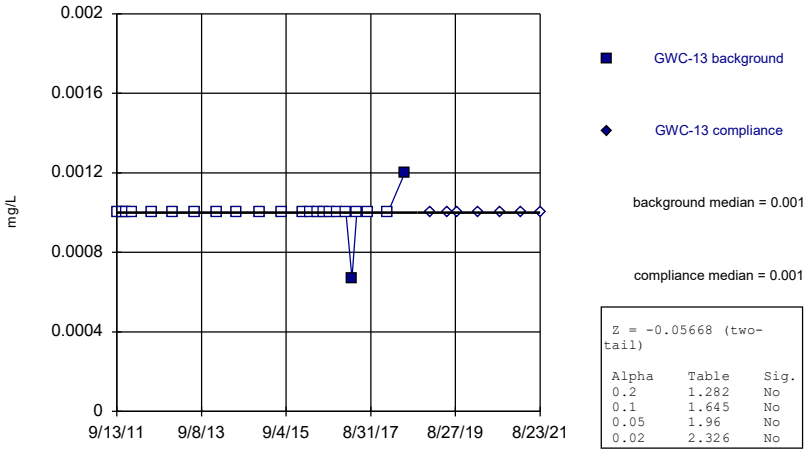
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Arsenic Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-13



Z = -0.05668 (two-tail)

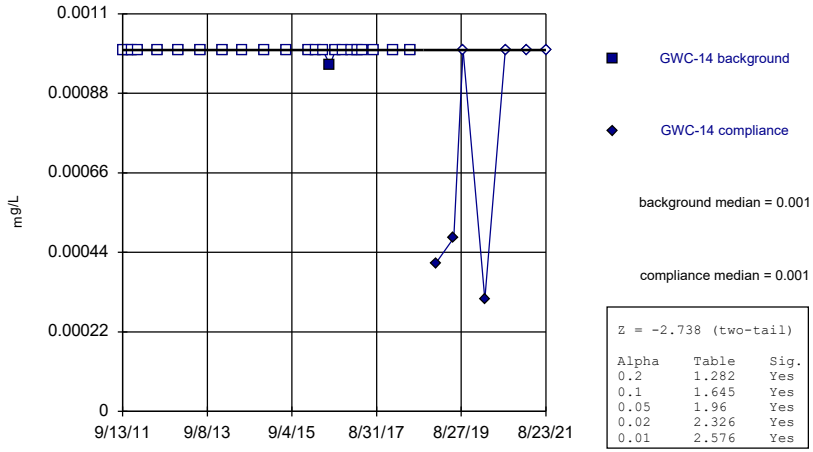
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No

Constituent: Arsenic Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-14



Z = -2.738 (two-tail)

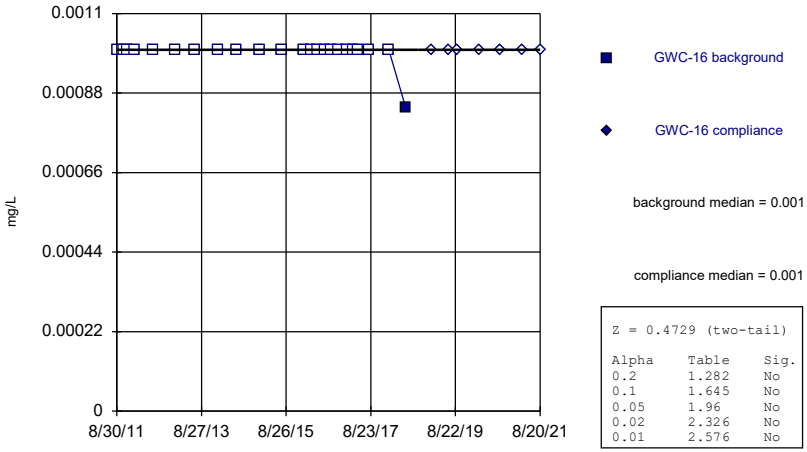
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Arsenic Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-16



Z = 0.4729 (two-tail)

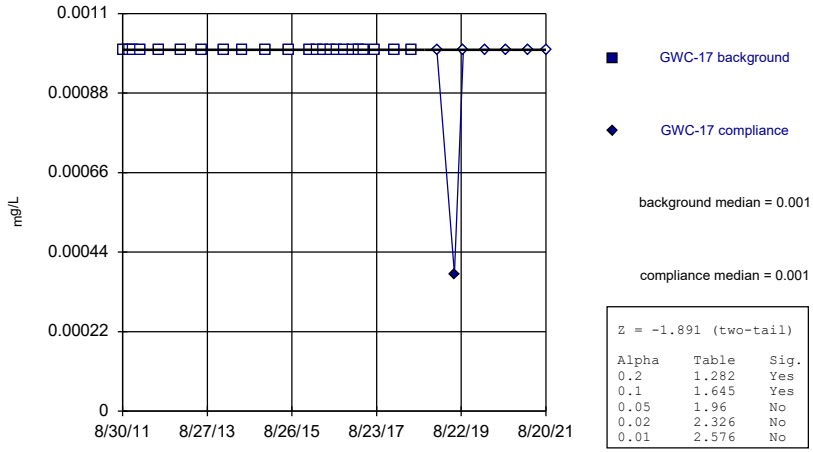
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-17



Z = -1.891 (two-tail)

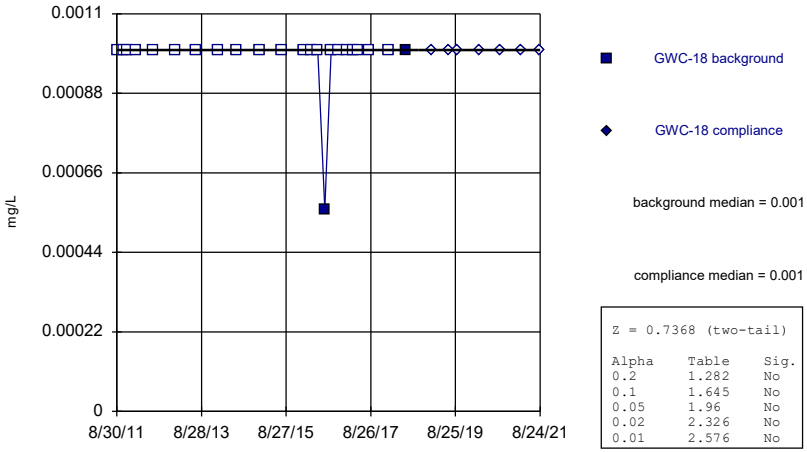
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-18



Z = 0.7368 (two-tail)

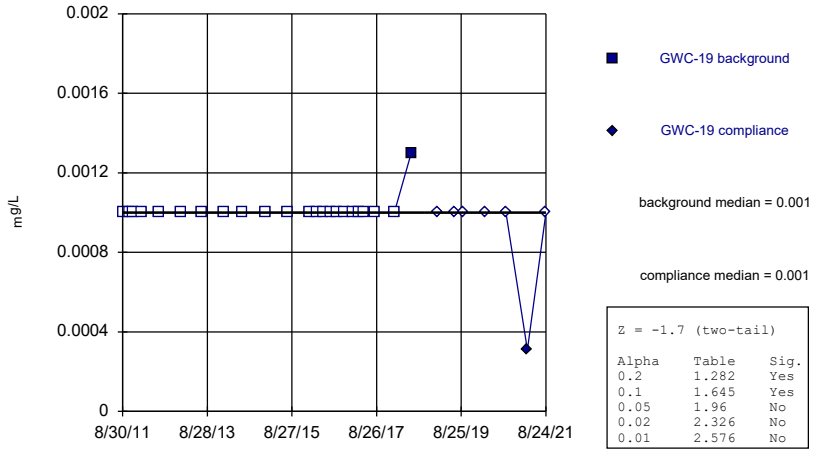
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-19



Z = -1.7 (two-tail)

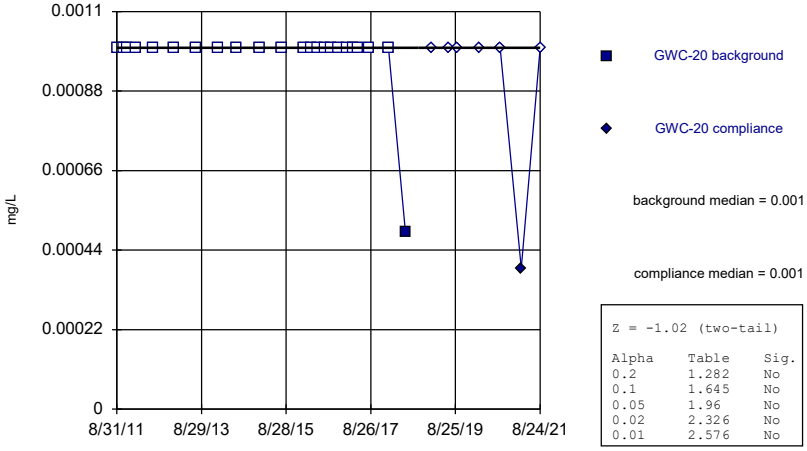
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-20



Z = -1.02 (two-tail)

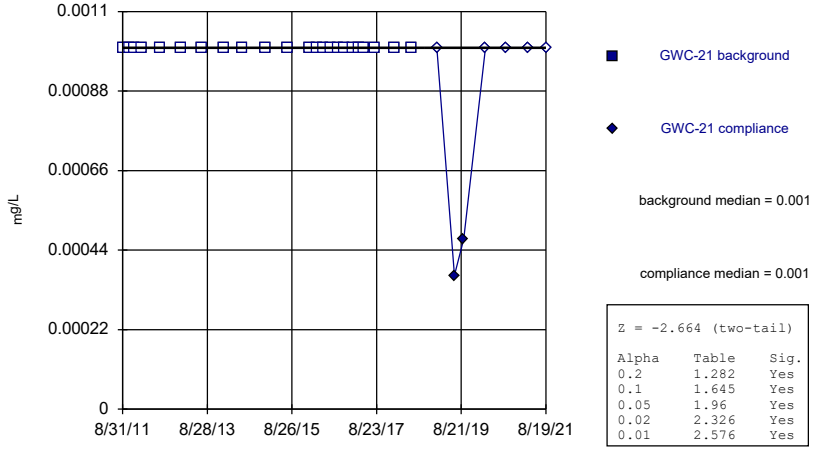
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-21



Z = -2.664 (two-tail)

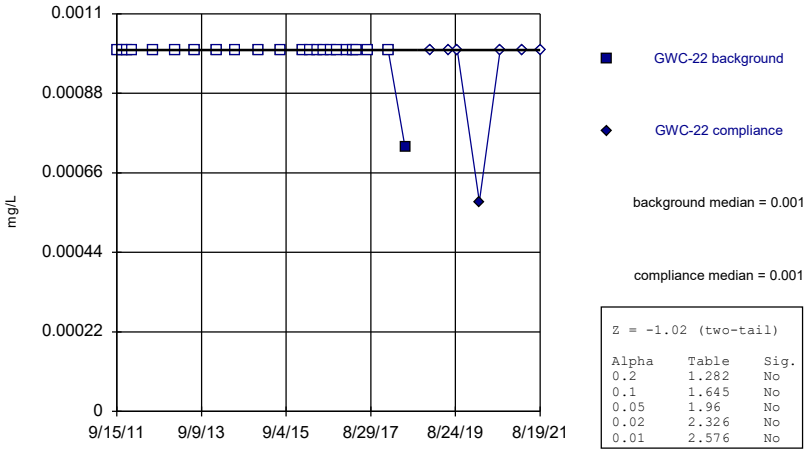
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Arsenic Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-22



Z = -1.02 (two-tail)

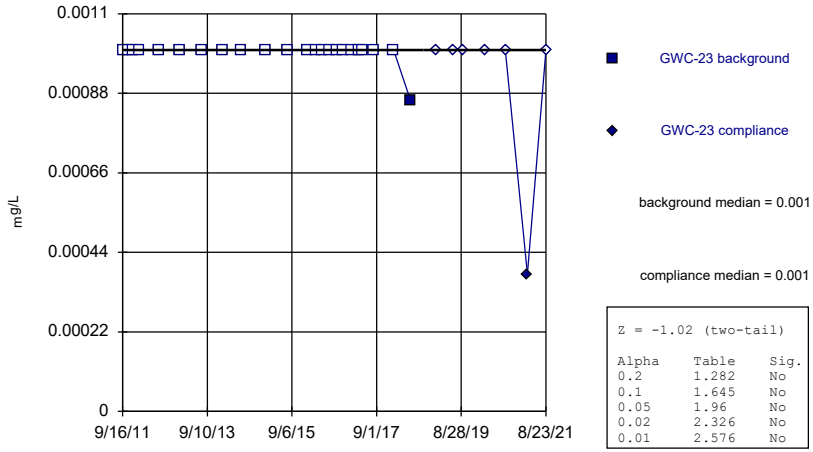
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-23



Z = -1.02 (two-tail)

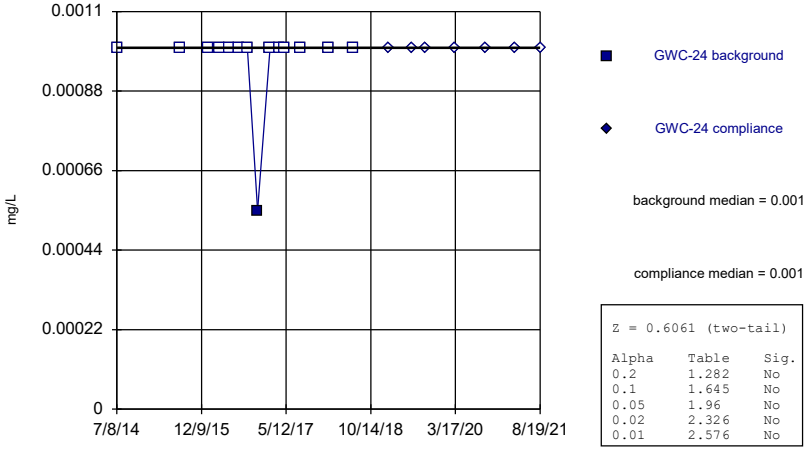
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-24



Z = 0.6061 (two-tail)

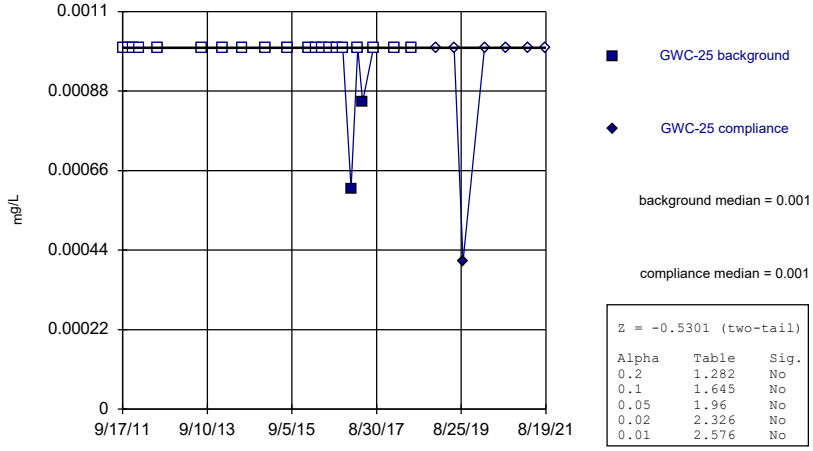
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-25



Z = -0.5301 (two-tail)

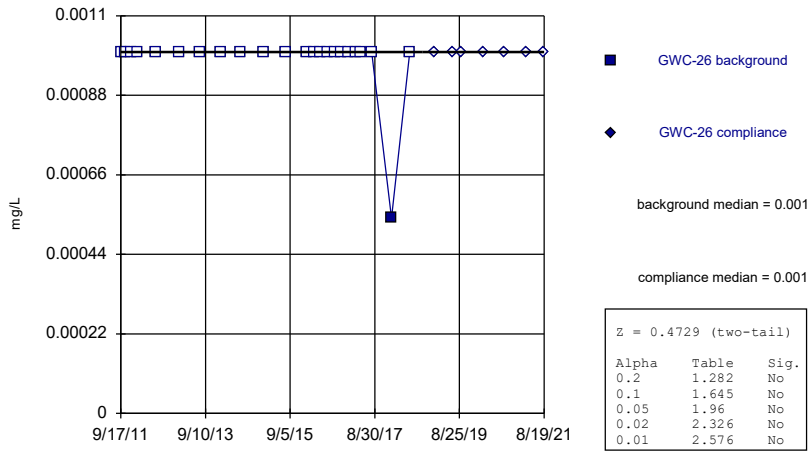
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-26



Z = 0.4729 (two-tail)

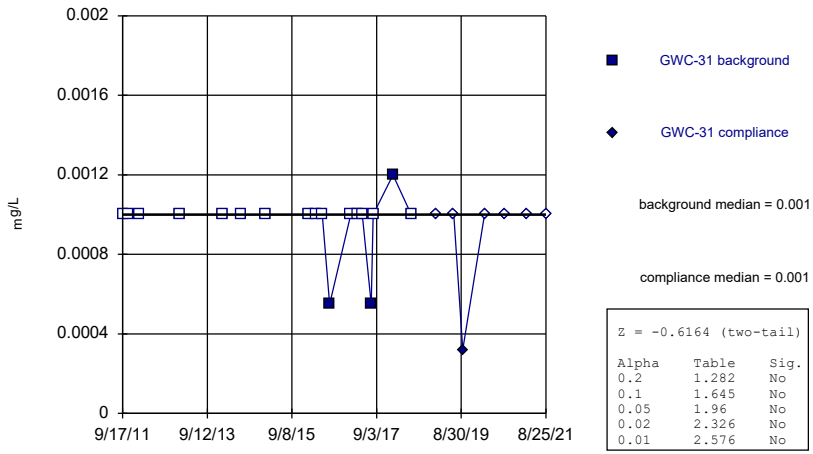
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-31



Z = -0.6164 (two-tail)

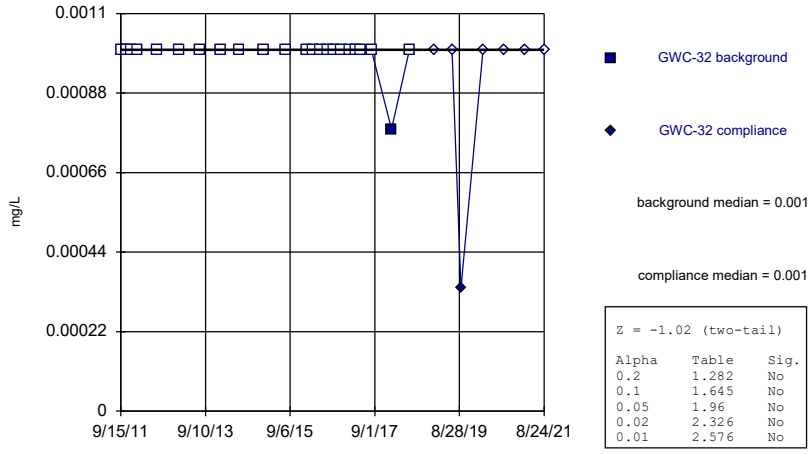
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-32



Z = -1.02 (two-tail)

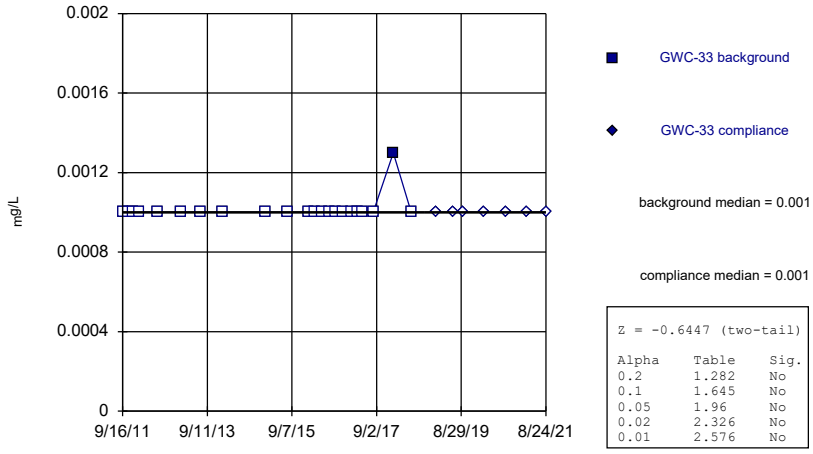
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-33



Z = -0.6447 (two-tail)

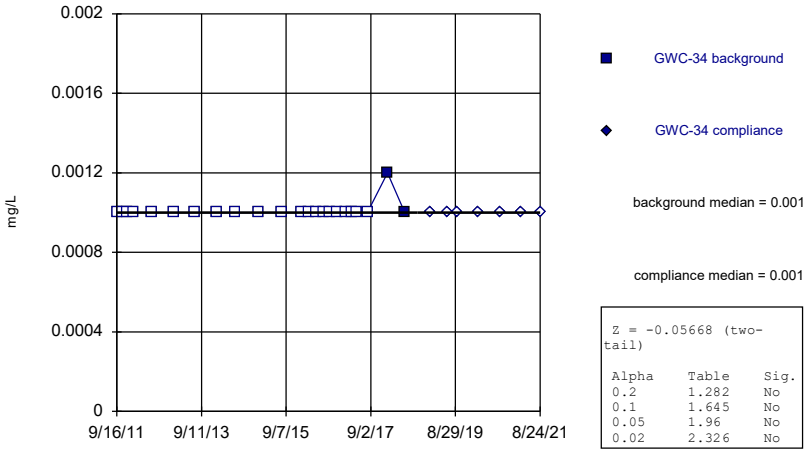
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-34



Z = -0.05668 (two-tail)

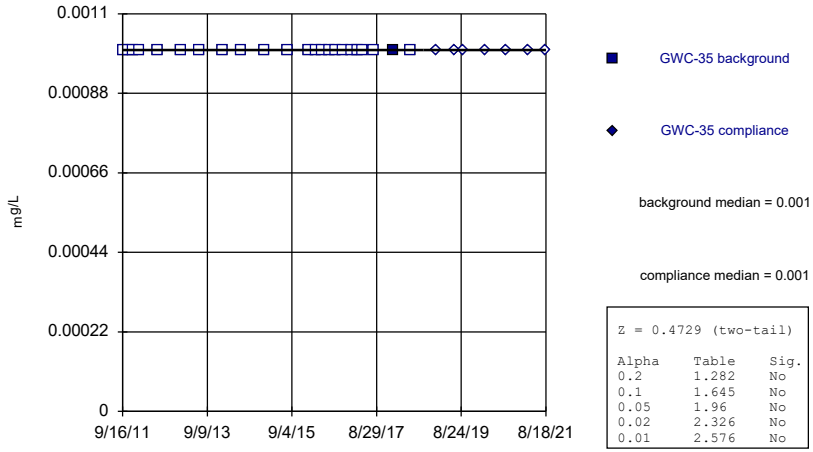
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No

Constituent: Arsenic Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-35



Z = 0.4729 (two-tail)

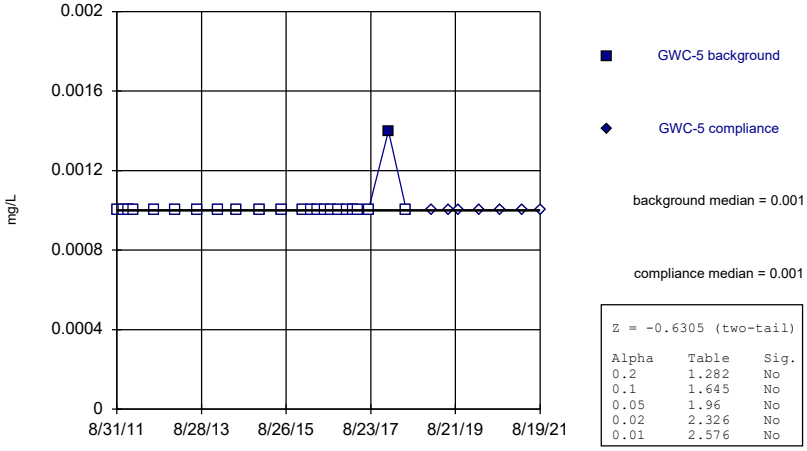
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-5



Z = -0.6305 (two-tail)

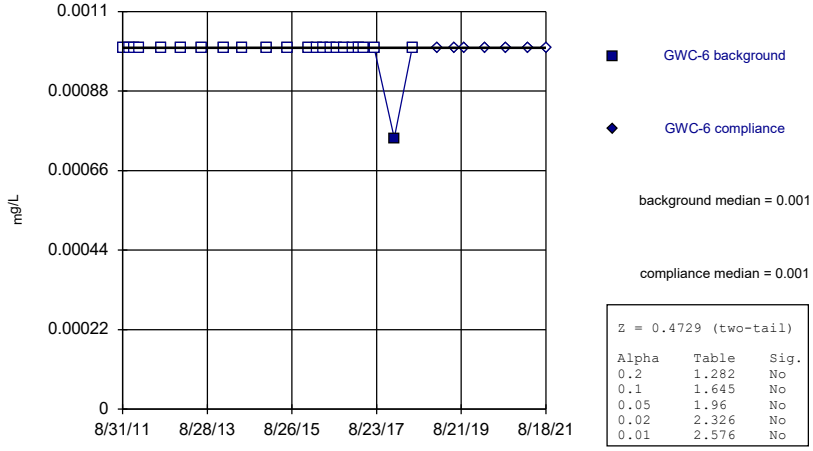
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-6



Z = 0.4729 (two-tail)

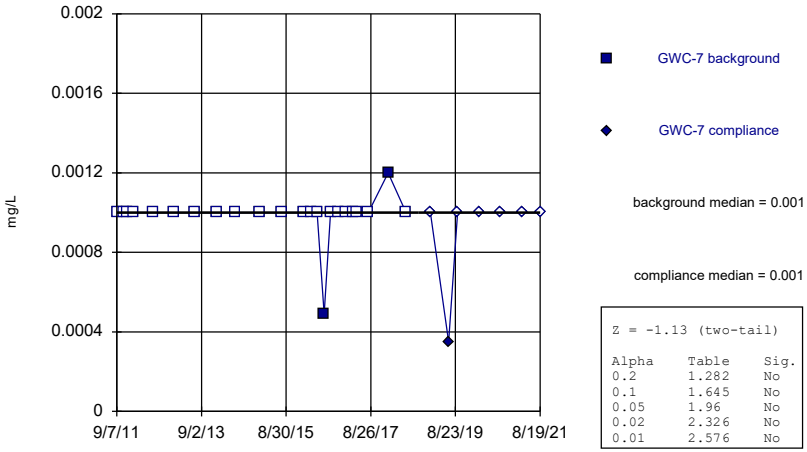
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-7



Z = -1.13 (two-tail)

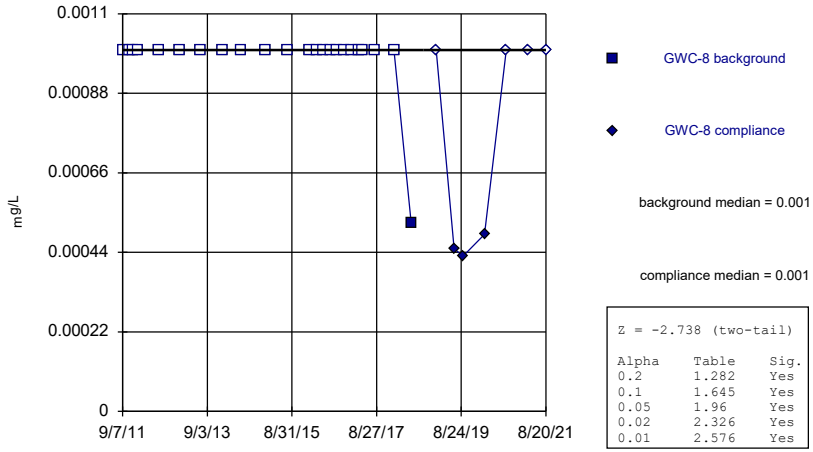
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Arsenic Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-8



Z = -2.738 (two-tail)

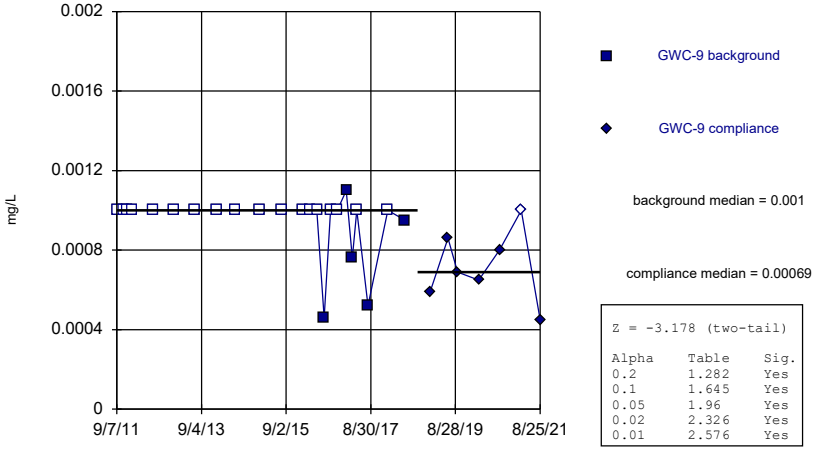
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Arsenic Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-9



Z = -3.178 (two-tail)

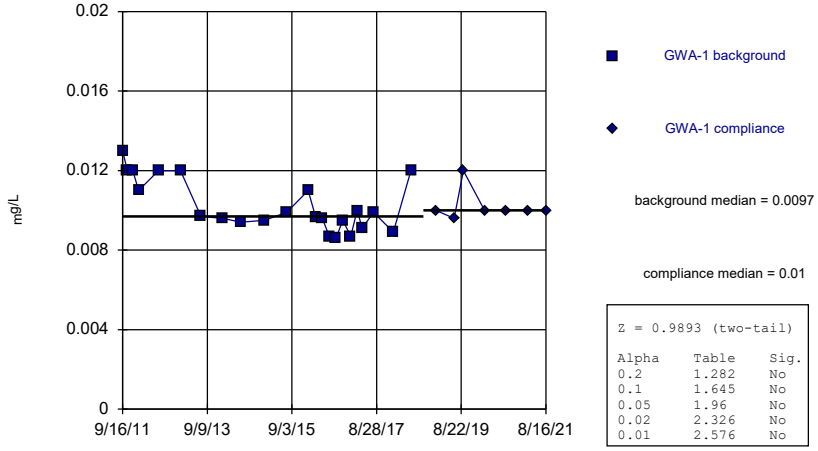
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Arsenic Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWA-1 (bg)



Z = 0.9893 (two-tail)

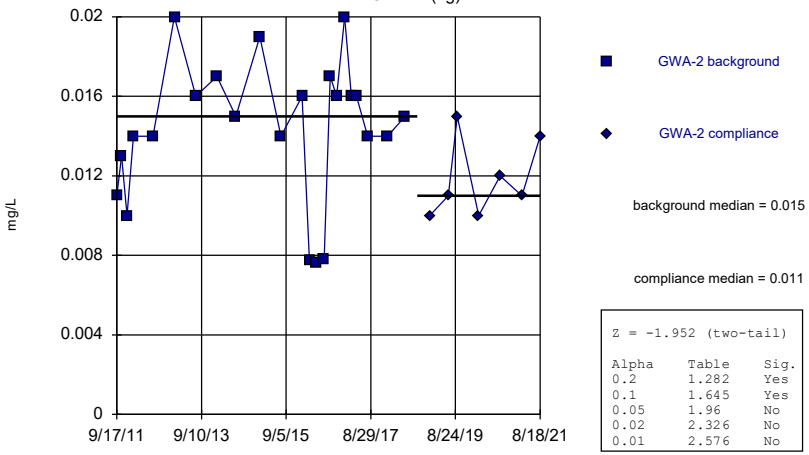
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Barium Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWA-2 (bg)



Z = -1.952 (two-tail)

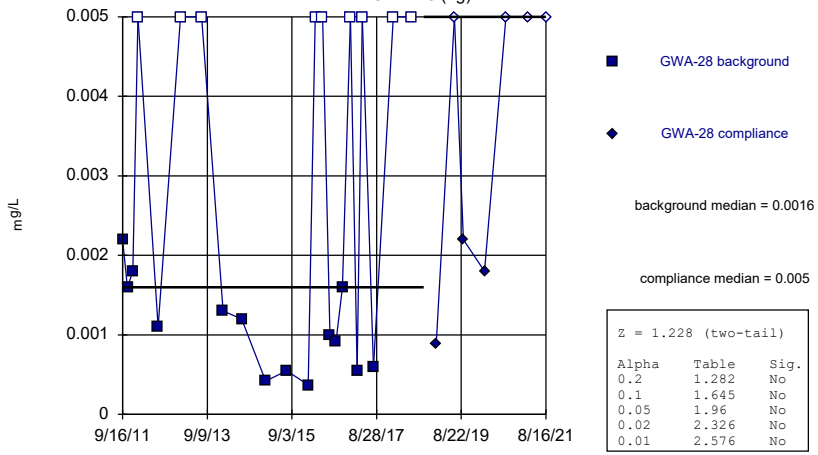
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Barium Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-28 (bg)



Z = 1.228 (two-tail)

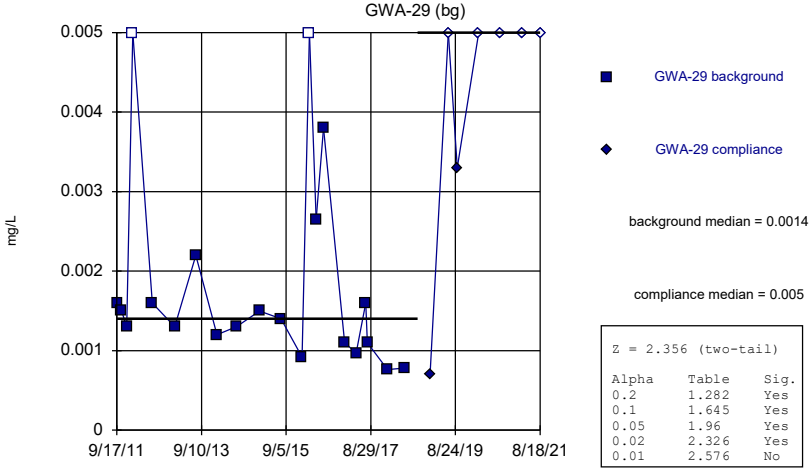
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Barium Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-29 (bg)



Z = 2.356 (two-tail)

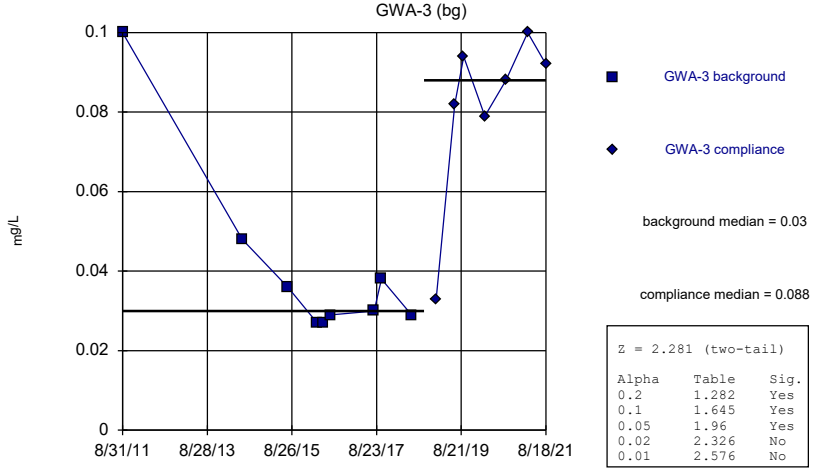
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	No

Constituent: Barium Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWA-3 (bg)



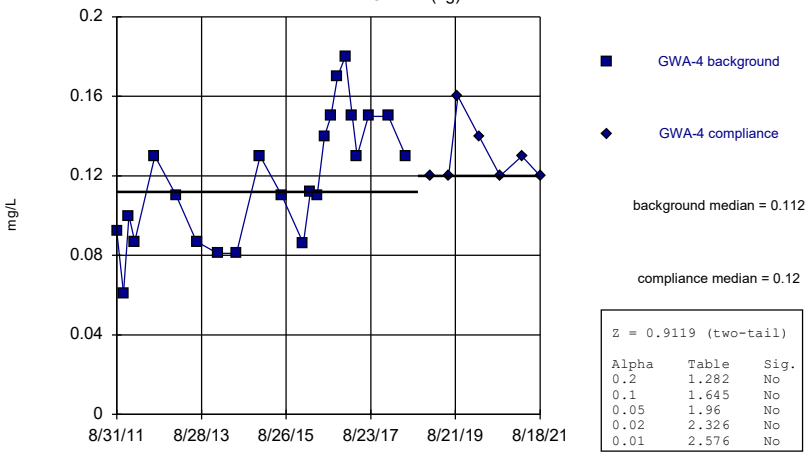
Z = 2.281 (two-tail)

Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Barium Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Mann-Whitney (Wilcoxon Rank Sum)

GWA-4 (bg)



Z = 0.9119 (two-tail)

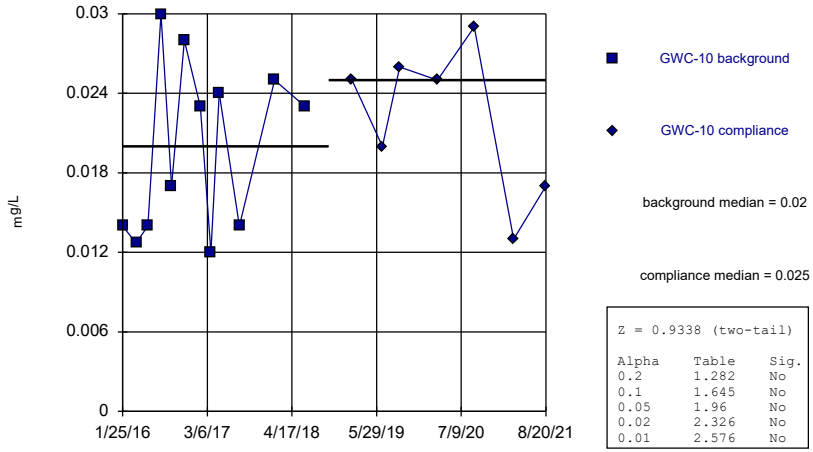
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Barium Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-10



Z = 0.9338 (two-tail)

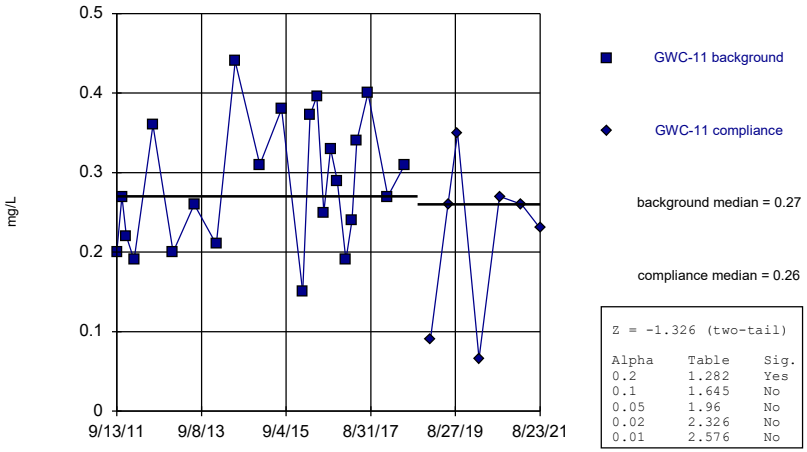
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Barium Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-11



Z = -1.326 (two-tail)

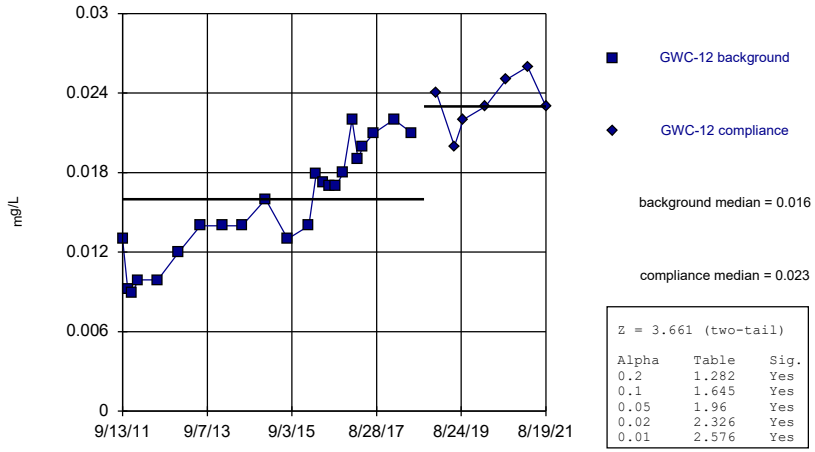
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Barium Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-12



Z = 3.661 (two-tail)

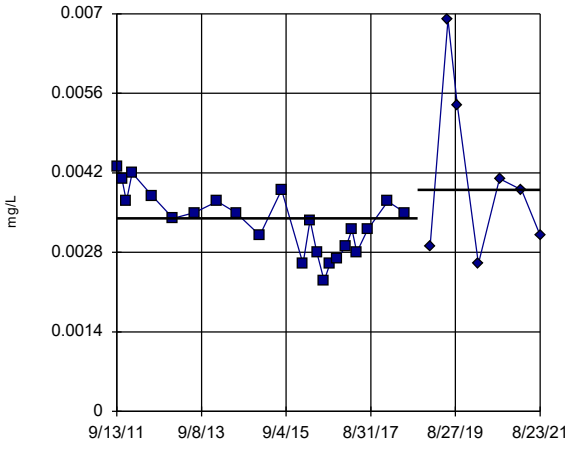
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Barium Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-13



GWC-13 background

GWC-13 compliance

background median = 0.0034

compliance median = 0.0039

Z = 1.032 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Barium Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I

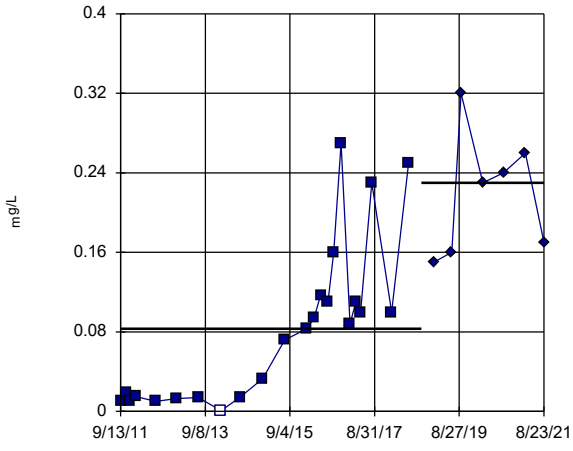
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-14



GWC-14 background

GWC-14 compliance

background median = 0.083

compliance median = 0.23

Z = 3.14 (two-tail)

Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

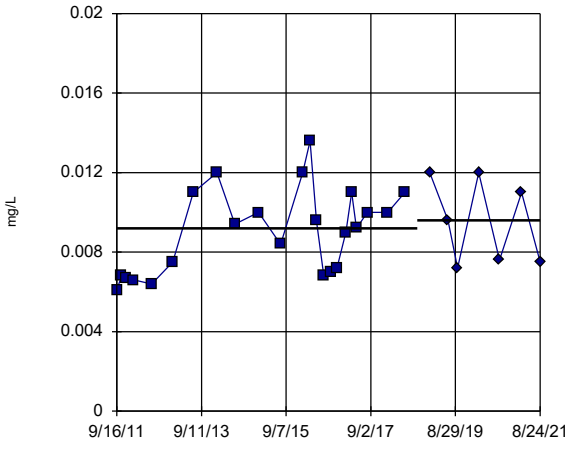
Constituent: Barium Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-15



GWC-15 background

GWC-15 compliance

background median = 0.0092

compliance median = 0.0096

Z = 0.9099 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

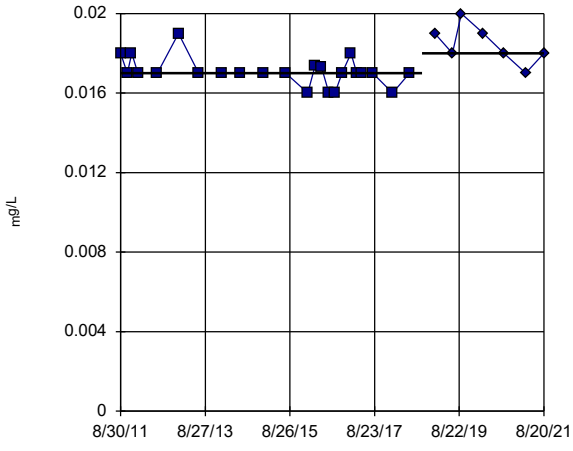
Constituent: Barium Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-16



GWC-16 background

GWC-16 compliance

background median = 0.017

compliance median = 0.018

Z = 3.07 (two-tail)

Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

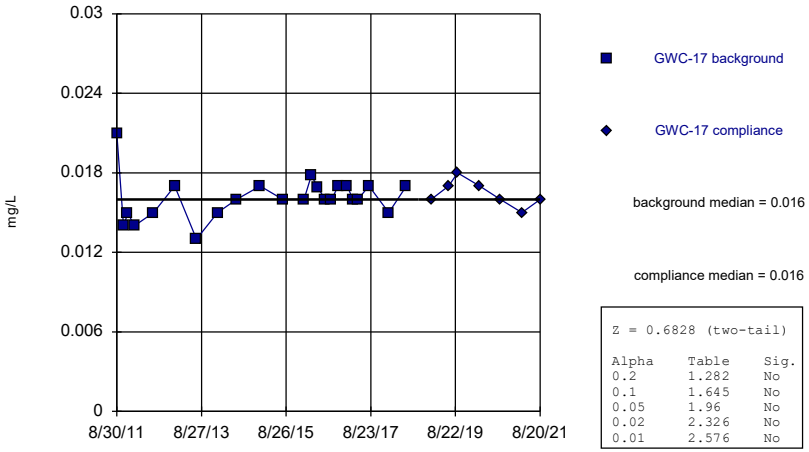
Constituent: Barium Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-17



Z = 0.6828 (two-tail)

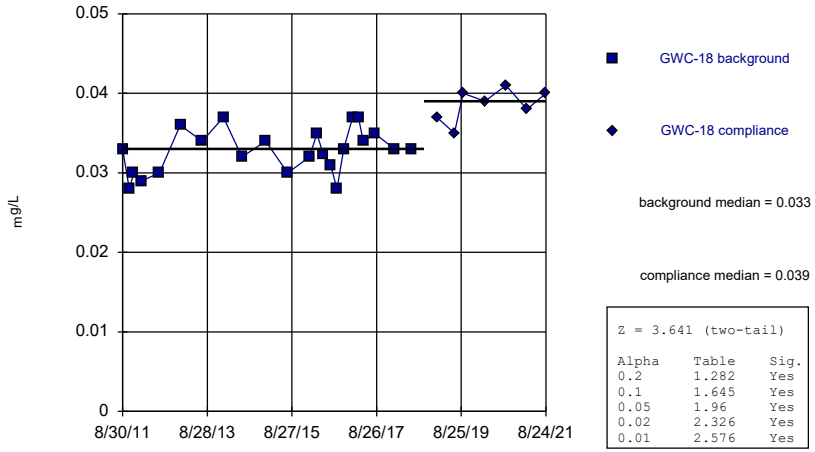
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Barium Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-18



Z = 3.641 (two-tail)

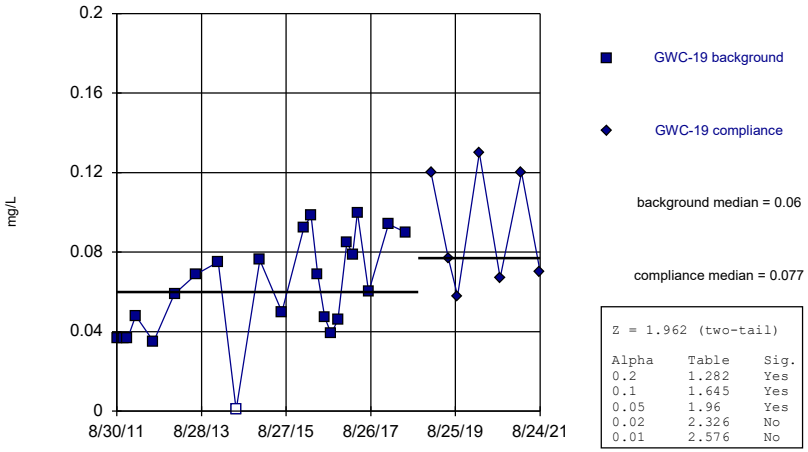
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Barium Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-19



Z = 1.962 (two-tail)

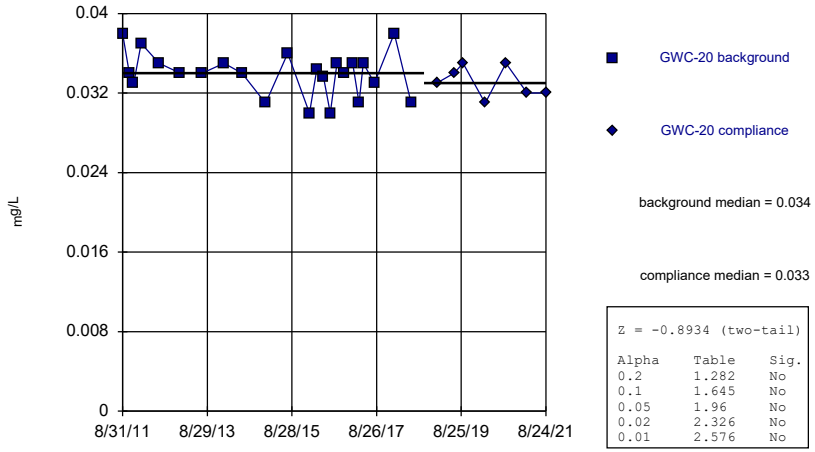
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Barium Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-20



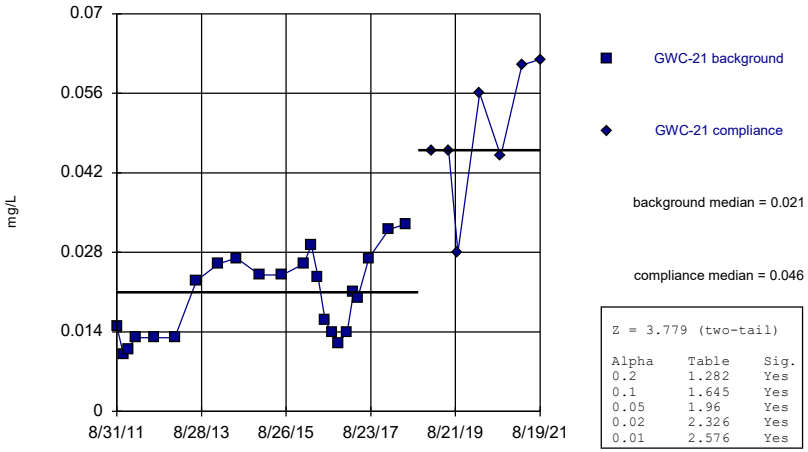
Z = -0.8934 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Barium Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Mann-Whitney (Wilcoxon Rank Sum)

GWC-21

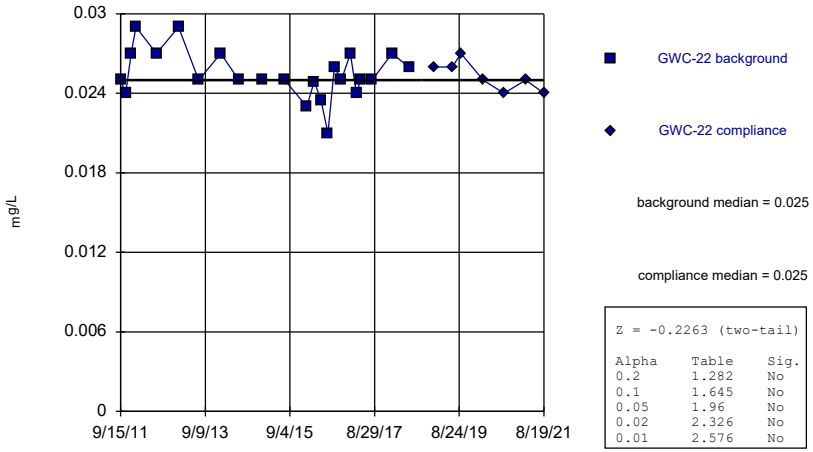


Constituent: Barium Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-22

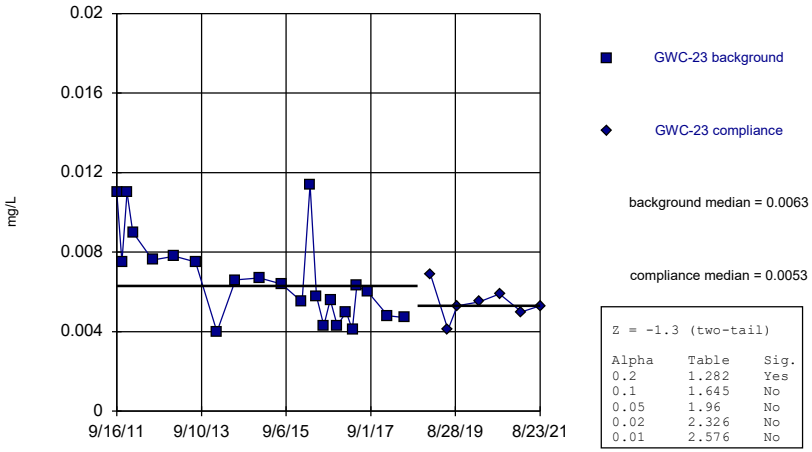


Constituent: Barium Analysis Run 5/14/2022 11:17 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-23

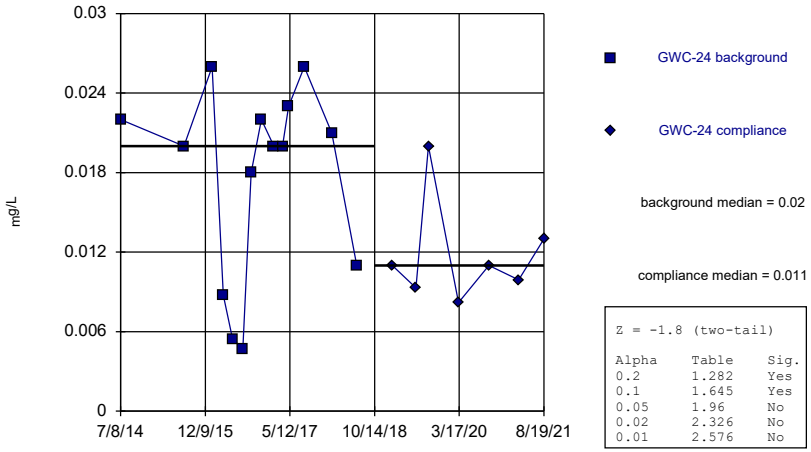


Constituent: Barium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

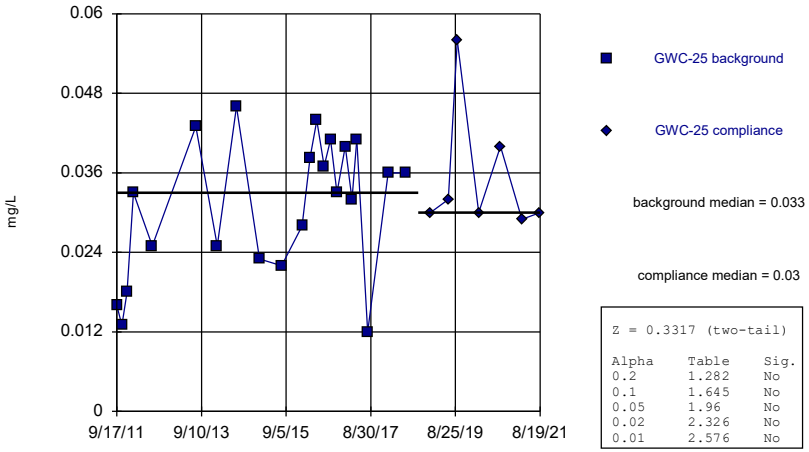
GWC-24



Constituent: Barium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Mann-Whitney (Wilcoxon Rank Sum)

GWC-25



Z = 0.3317 (two-tail)

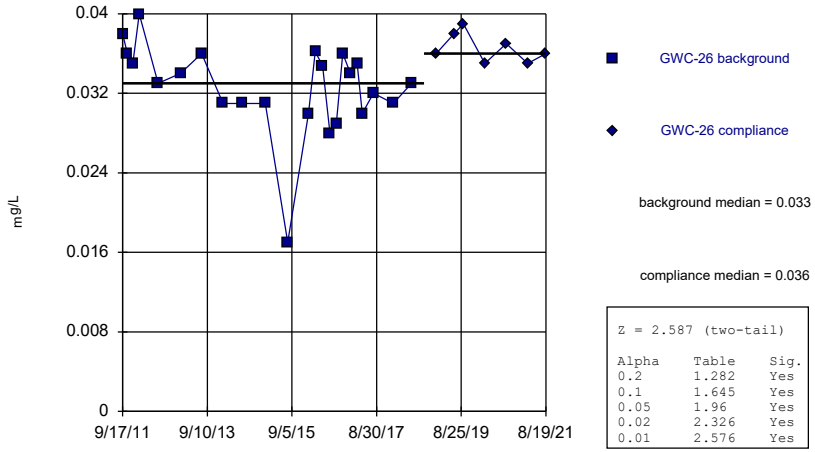
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Barium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-26



Z = 2.587 (two-tail)

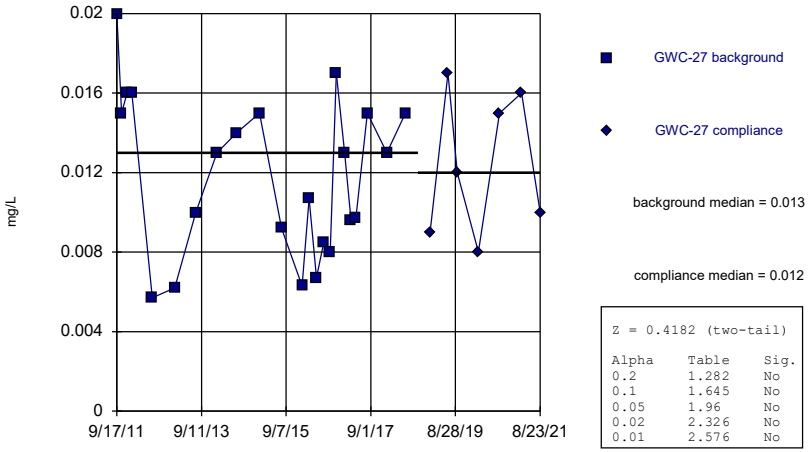
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Barium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-27



Z = 0.4182 (two-tail)

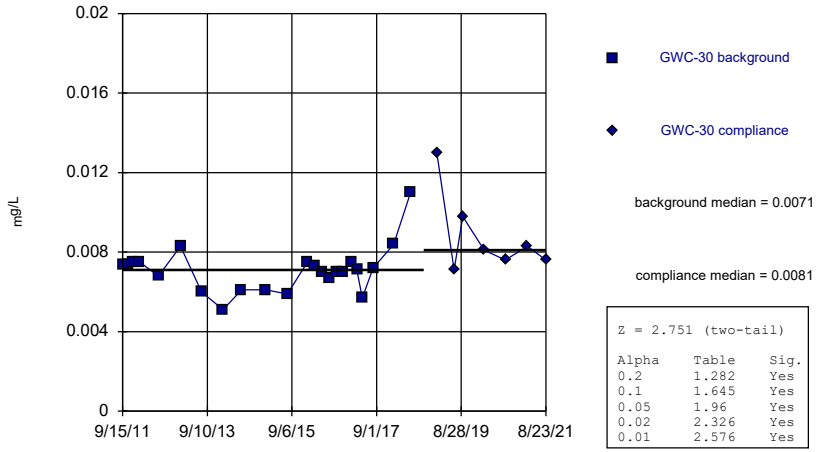
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Barium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-30



Z = 2.751 (two-tail)

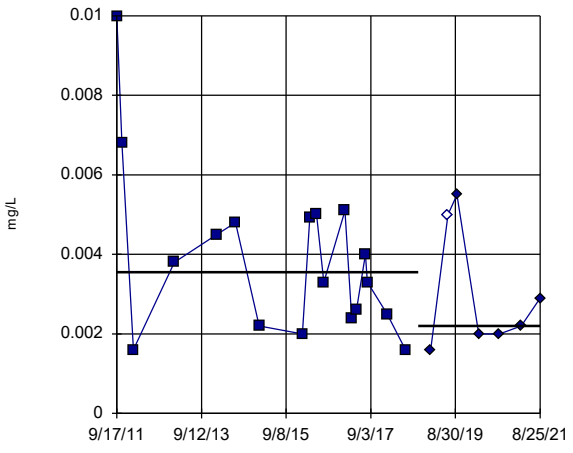
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Barium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-31



GWC-31 background

GWC-31 compliance

background median = 0.00355

compliance median = 0.0022

Z = -1.031 (two-tail)

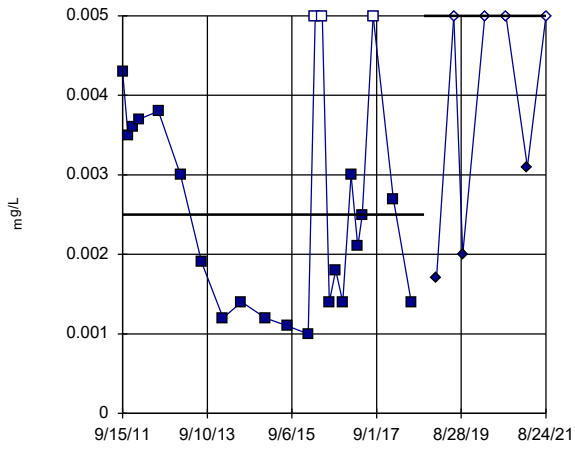
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Barium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-32



GWC-32 background

GWC-32 compliance

background median = 0.0025

compliance median = 0.005

Z = 1.878 (two-tail)

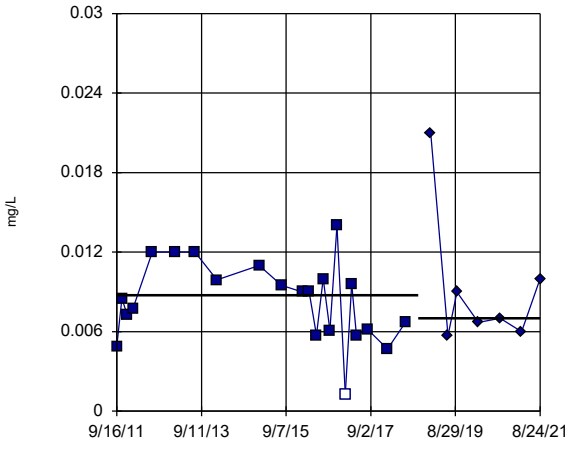
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Barium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-33



GWC-33 background

GWC-33 compliance

background median = 0.00875

compliance median = 0.007

Z = -0.1786 (two-tail)

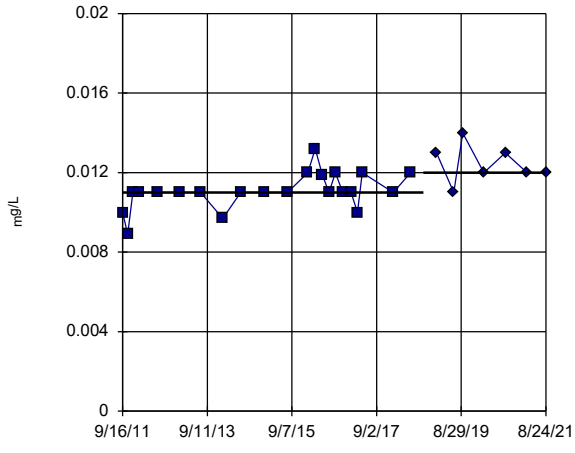
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Barium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-34



GWC-34 background

GWC-34 compliance

background median = 0.011

compliance median = 0.012

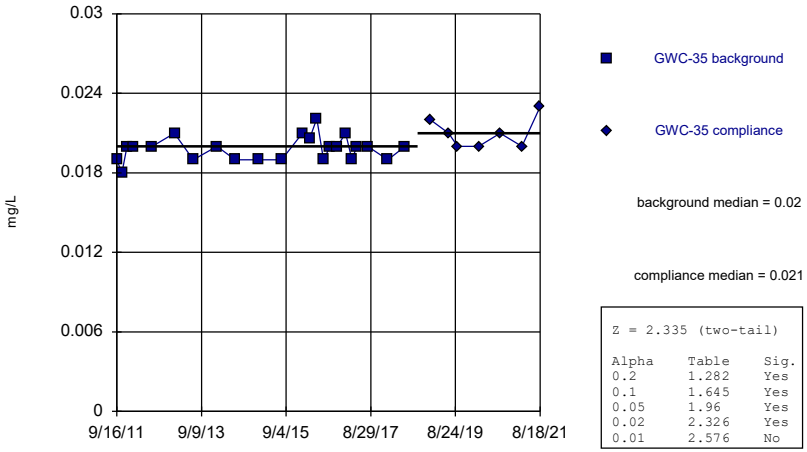
Z = 2.88 (two-tail)

Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Barium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Mann-Whitney (Wilcoxon Rank Sum)

GWC-35



Z = 2.335 (two-tail)

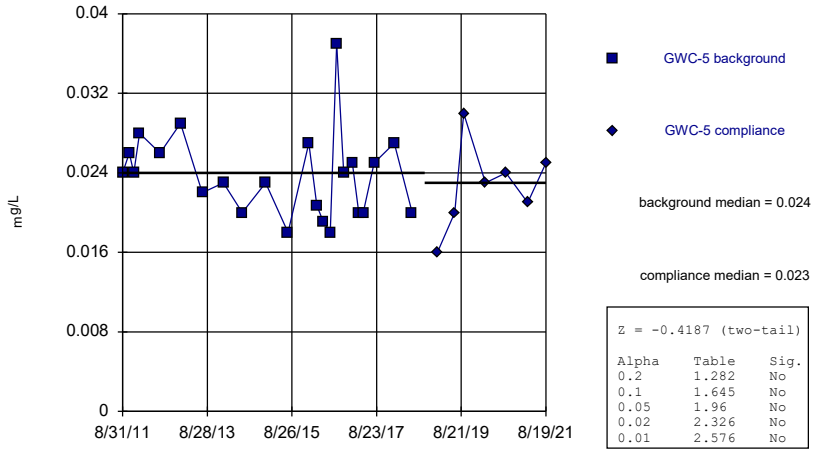
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	No

Constituent: Barium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-5



Z = -0.4187 (two-tail)

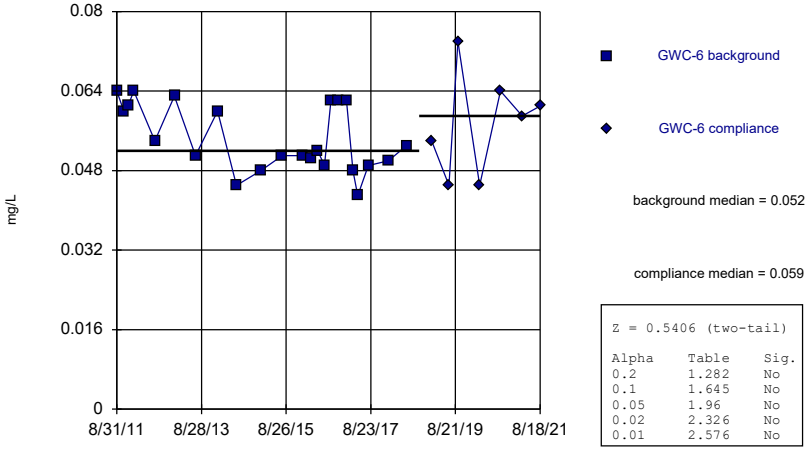
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Barium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-6



Z = 0.5406 (two-tail)

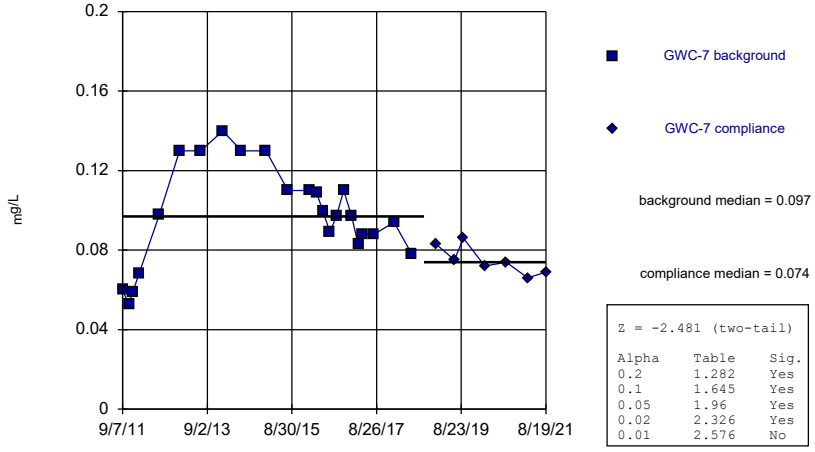
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Barium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-7



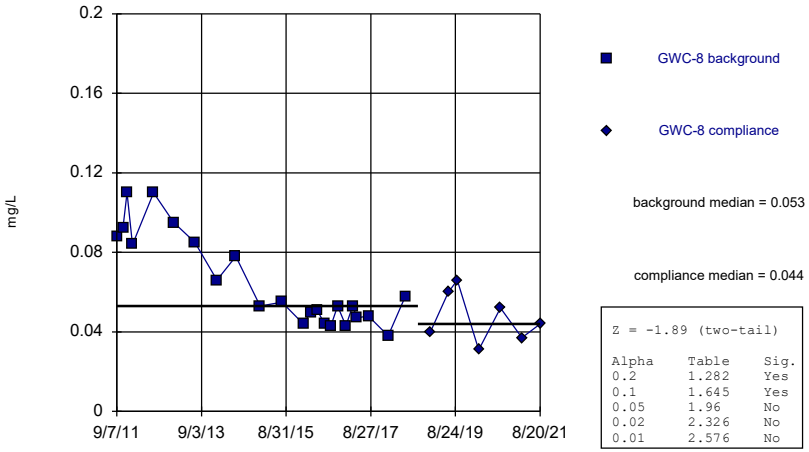
Z = -2.481 (two-tail)

Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	No

Constituent: Barium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Mann-Whitney (Wilcoxon Rank Sum)

GWC-8



Z = -1.89 (two-tail)

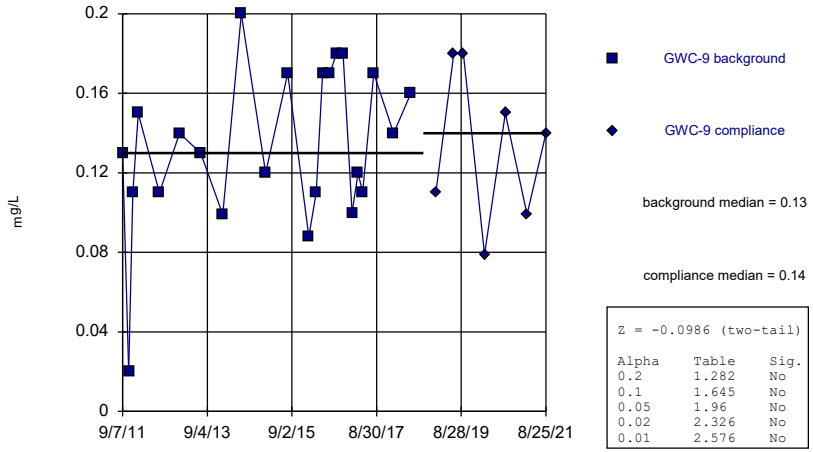
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Barium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-9



Z = -0.0986 (two-tail)

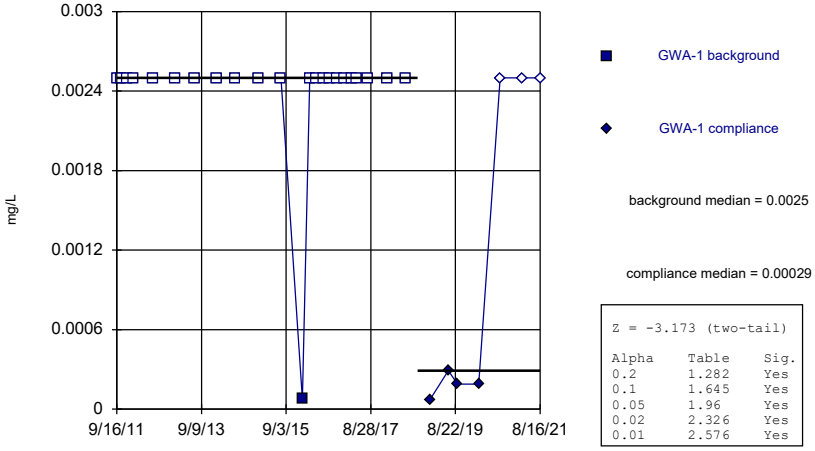
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Barium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-1 (bg)



Z = -3.173 (two-tail)

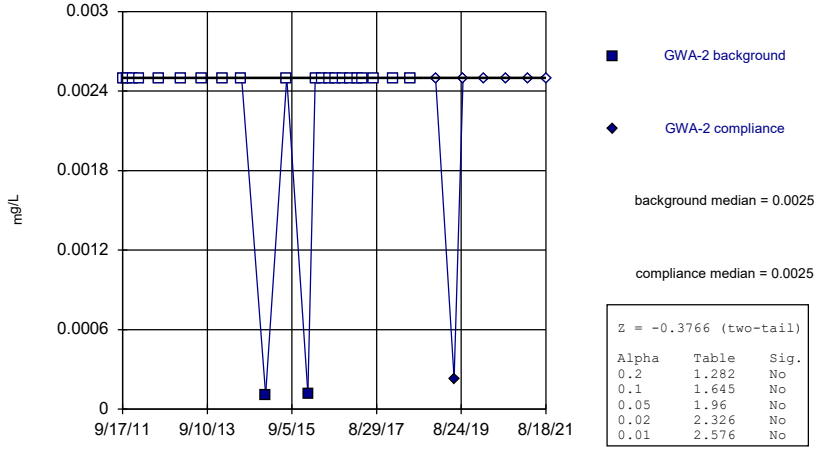
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Beryllium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-2 (bg)



Z = -0.3766 (two-tail)

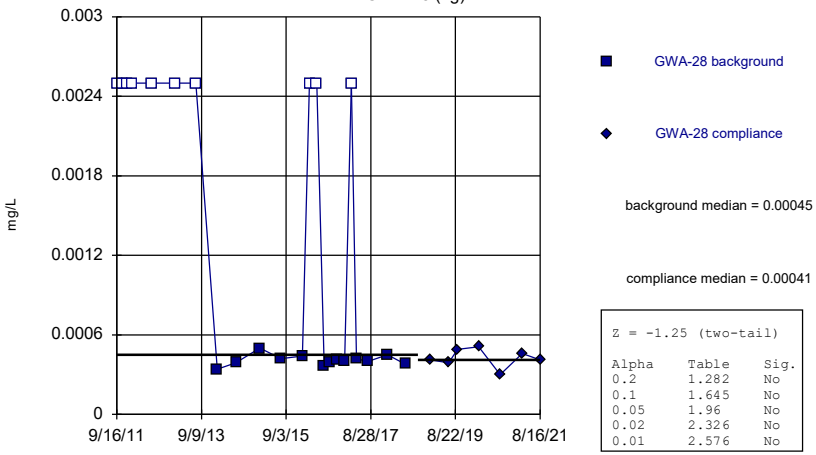
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Beryllium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-28 (bg)



background median = 0.00045

compliance median = 0.00041

Z = -1.25 (two-tail)

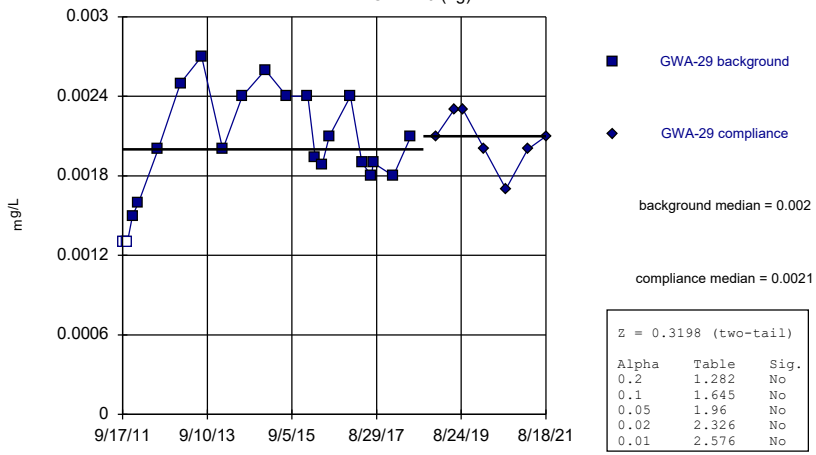
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Beryllium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-29 (bg)



background median = 0.002

compliance median = 0.0021

Z = 0.3198 (two-tail)

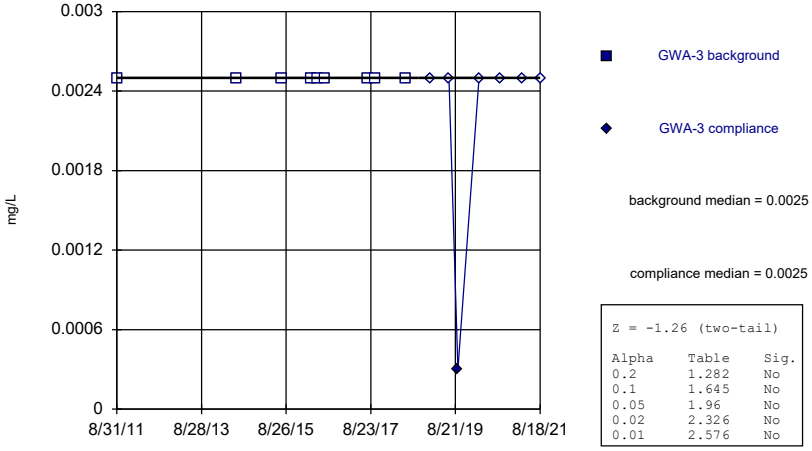
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Beryllium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-3 (bg)



background median = 0.0025

compliance median = 0.0025

Z = -1.26 (two-tail)

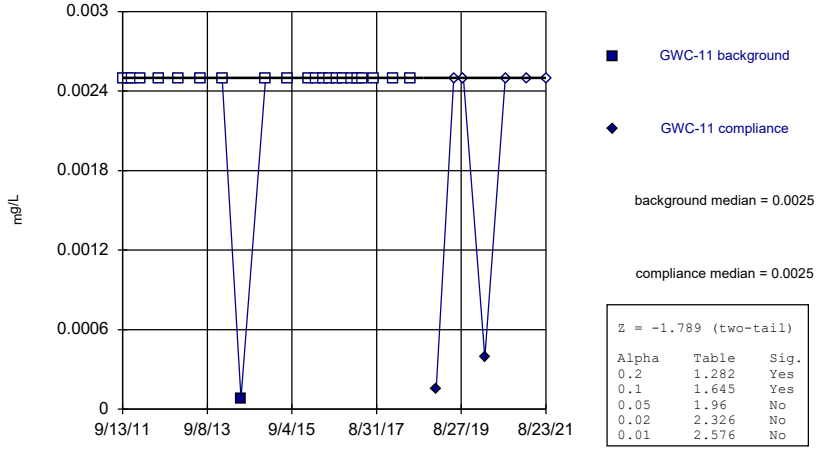
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Beryllium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-11



background median = 0.0025

compliance median = 0.0025

Z = -1.789 (two-tail)

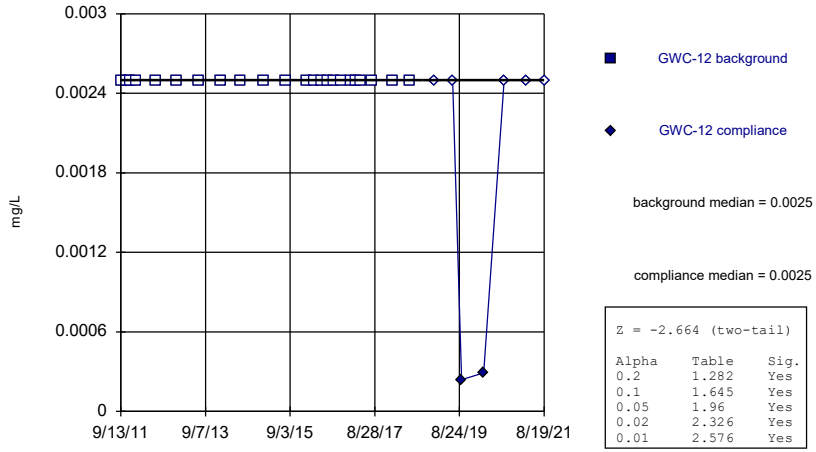
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Beryllium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-12



Z = -2.664 (two-tail)

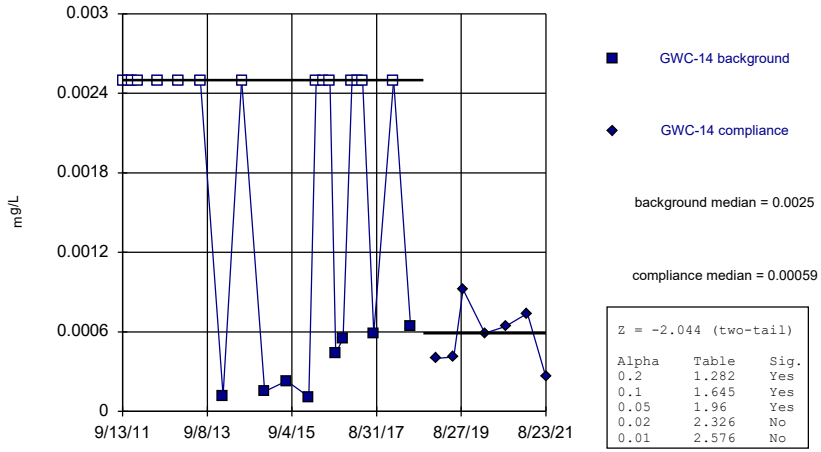
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Beryllium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-14



Z = -2.044 (two-tail)

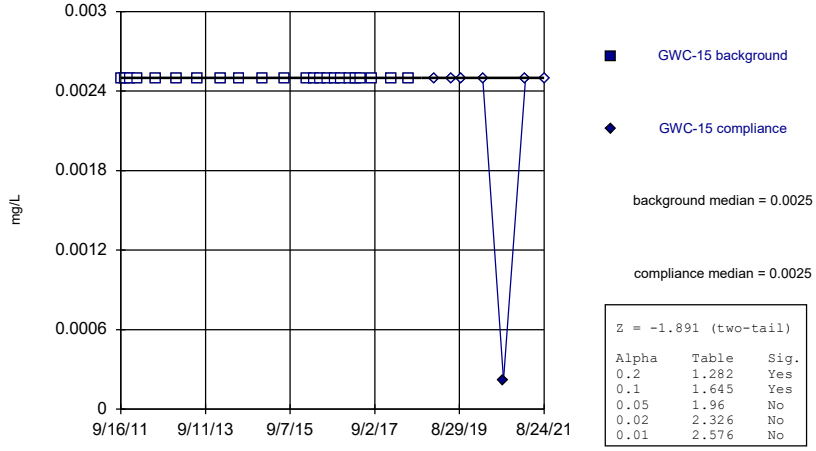
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Beryllium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-15



Z = -1.891 (two-tail)

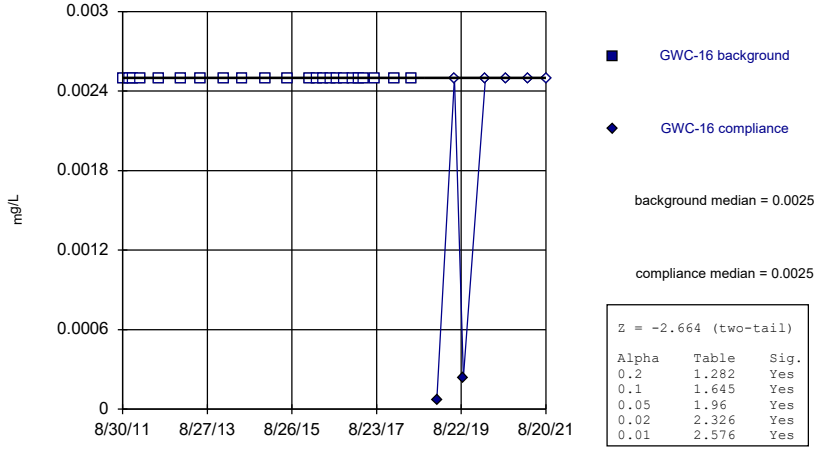
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Beryllium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-16



Z = -2.664 (two-tail)

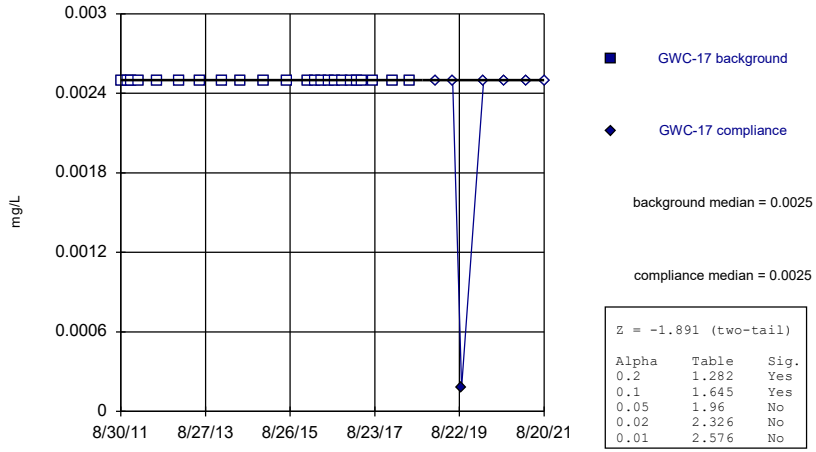
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Beryllium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-17



Z = -1.891 (two-tail)

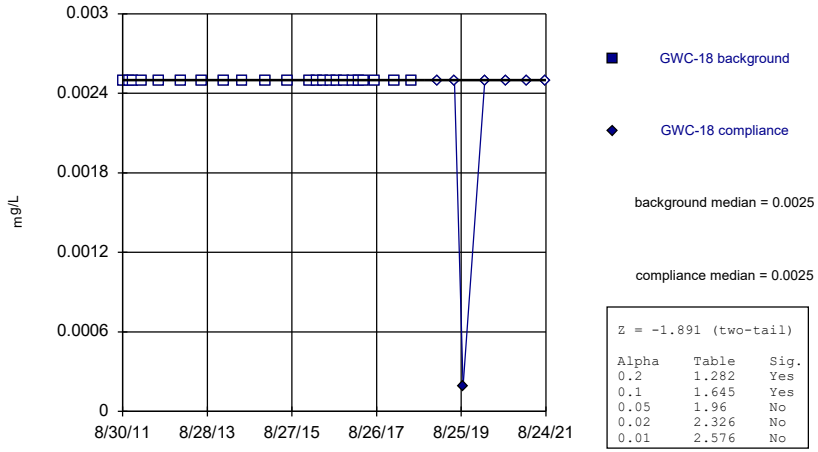
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Beryllium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-18



Z = -1.891 (two-tail)

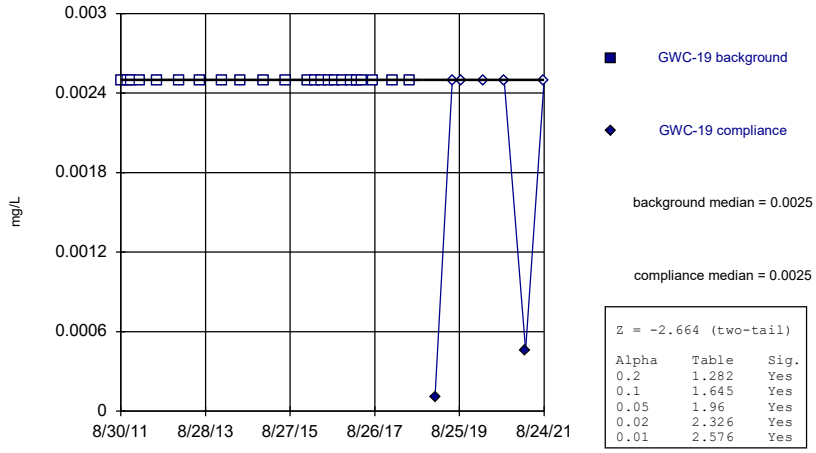
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Beryllium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-19



Z = -2.664 (two-tail)

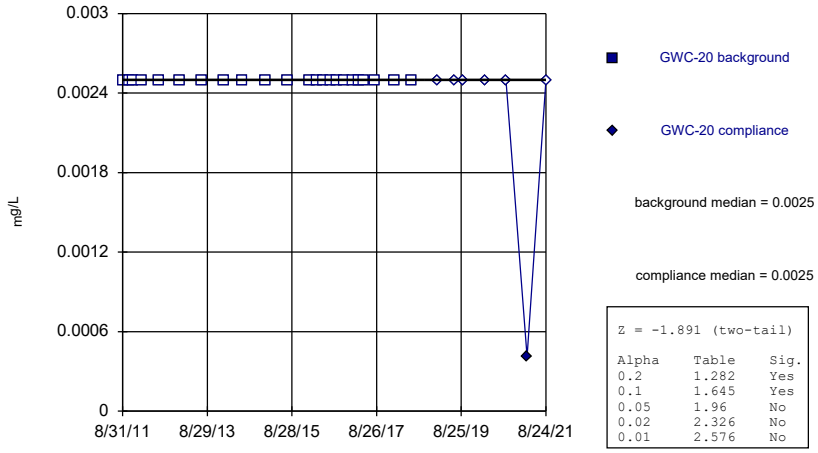
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Beryllium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-20



Z = -1.891 (two-tail)

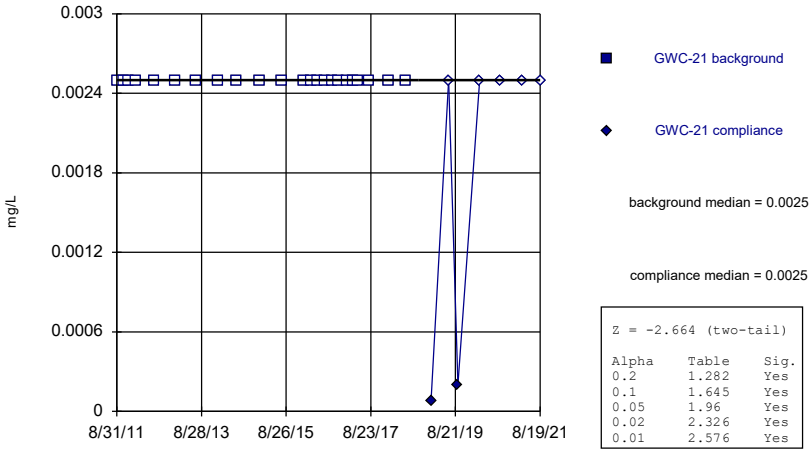
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Beryllium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-21



Z = -2.664 (two-tail)

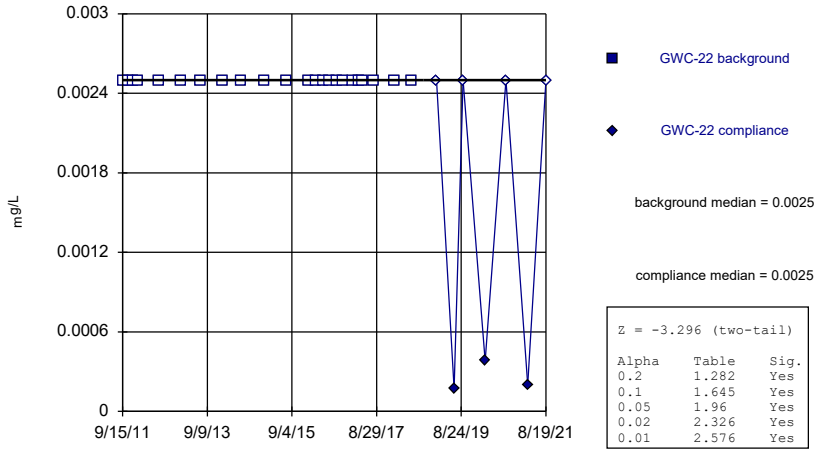
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Beryllium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-22



Z = -3.296 (two-tail)

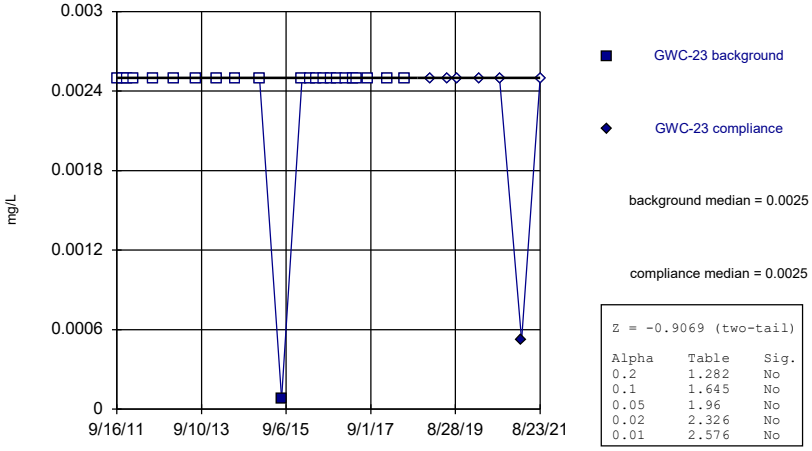
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Beryllium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-23



Z = -0.9069 (two-tail)

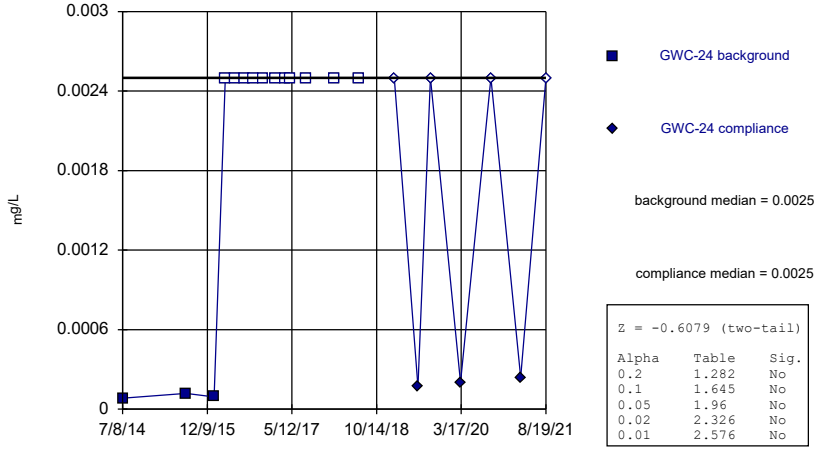
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Beryllium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-24



Z = -0.6079 (two-tail)

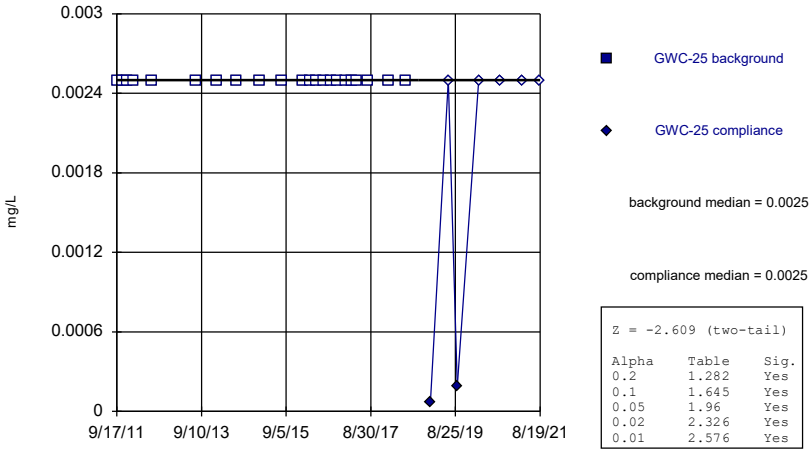
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Beryllium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-25



Z = -2.609 (two-tail)

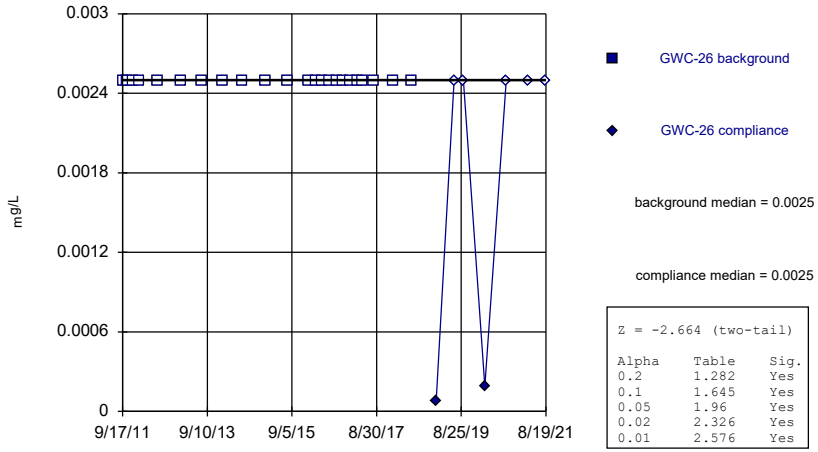
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Beryllium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-26



Z = -2.664 (two-tail)

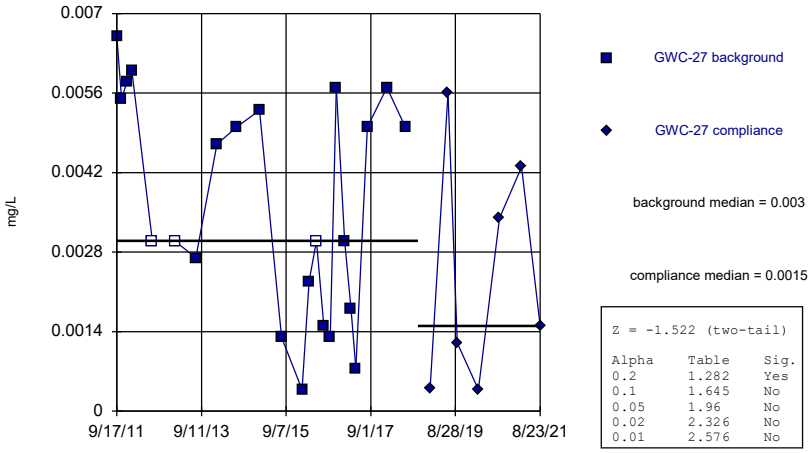
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Beryllium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-27



Z = -1.522 (two-tail)

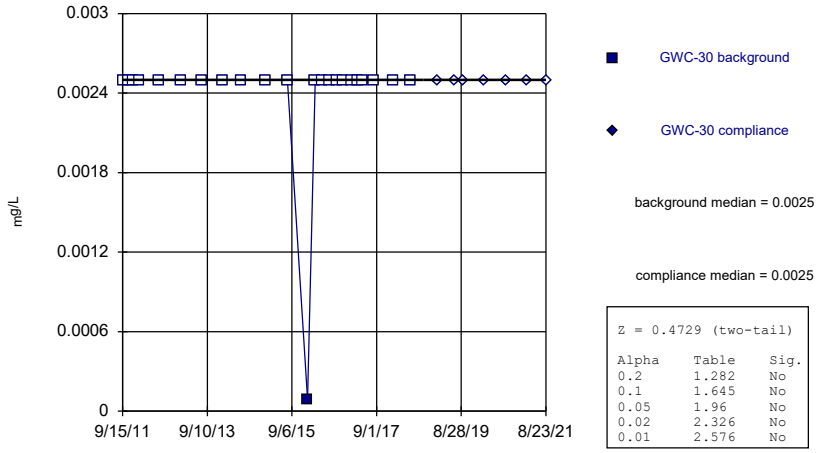
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Beryllium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-30



Z = 0.4729 (two-tail)

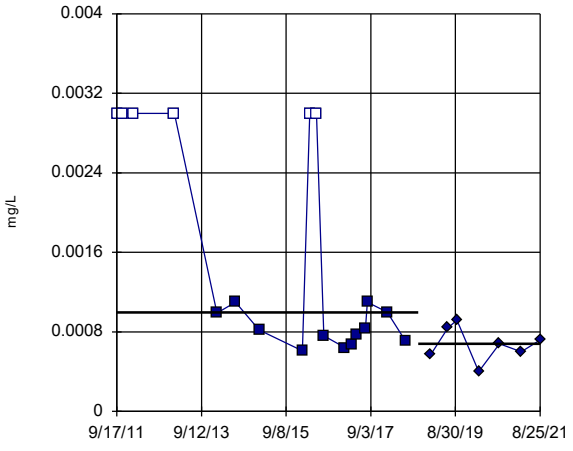
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Beryllium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-31



GWC-31 background

GWC-31 compliance

background median = 0.000995

compliance median = 0.00068

Z = -2.468 (two-tail)

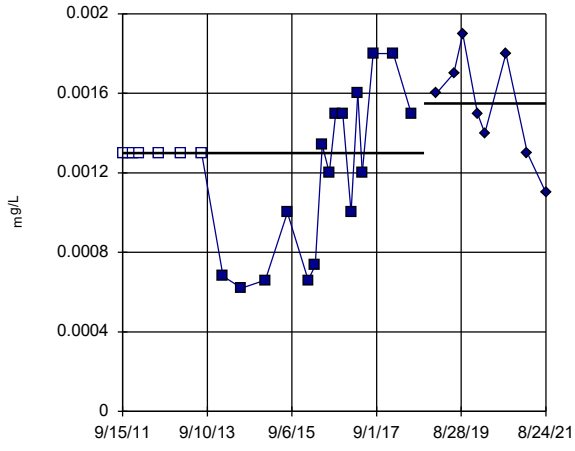
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	No

Constituent: Beryllium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-32



GWC-32 background

GWC-32 compliance

background median = 0.0013

compliance median = 0.00155

Z = 2.07 (two-tail)

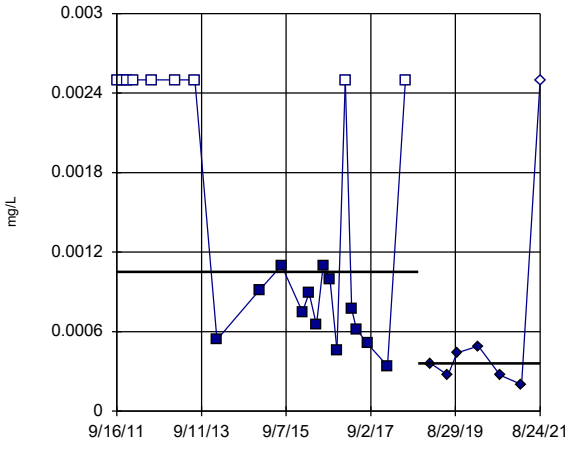
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Beryllium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-33



GWC-33 background

GWC-33 compliance

background median = 0.00105

compliance median = 0.00036

Z = -2.915 (two-tail)

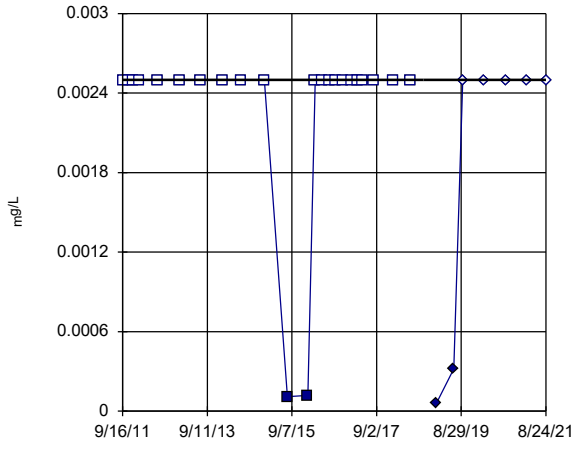
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Beryllium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-34



GWC-34 background

GWC-34 compliance

background median = 0.0025

compliance median = 0.0025

Z = -1.369 (two-tail)

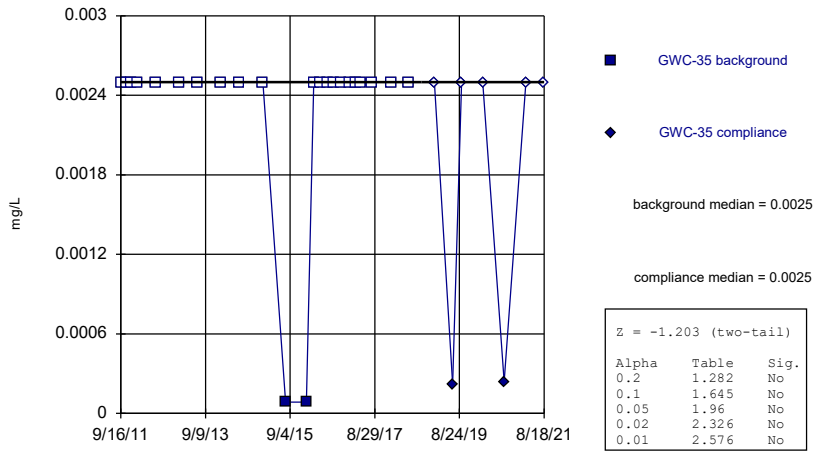
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Beryllium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-35



Z = -1.203 (two-tail)

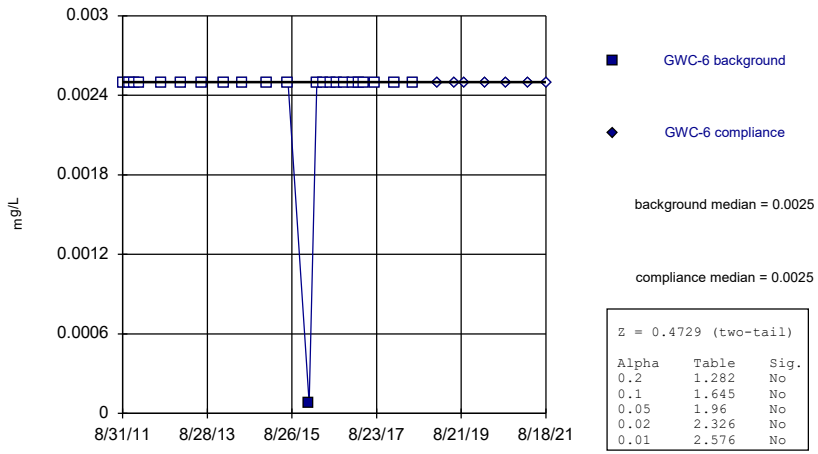
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Beryllium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-6



Z = 0.4729 (two-tail)

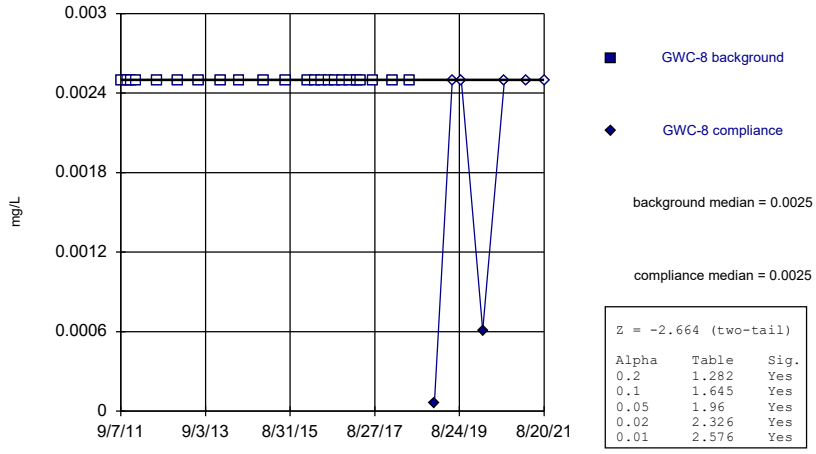
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Beryllium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-8



Z = -2.664 (two-tail)

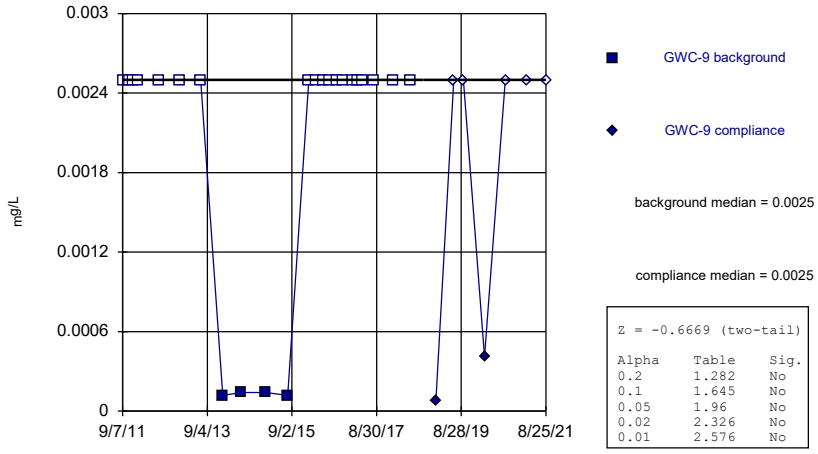
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Beryllium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-9



Z = -0.6669 (two-tail)

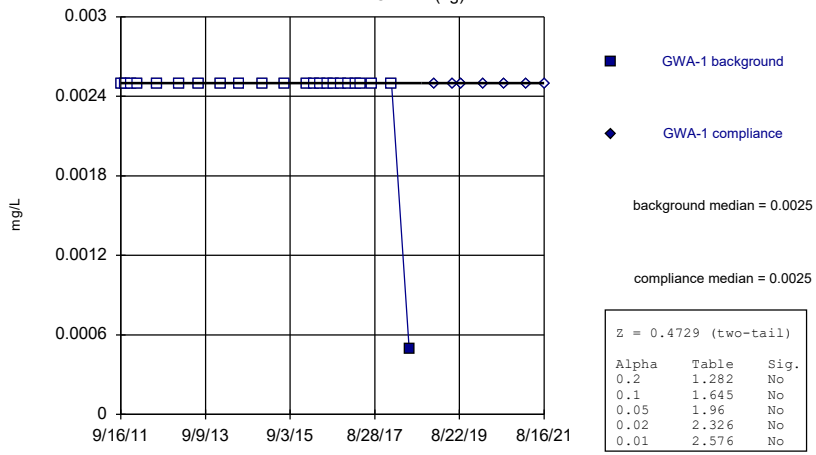
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Beryllium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-1 (bg)



Z = 0.4729 (two-tail)

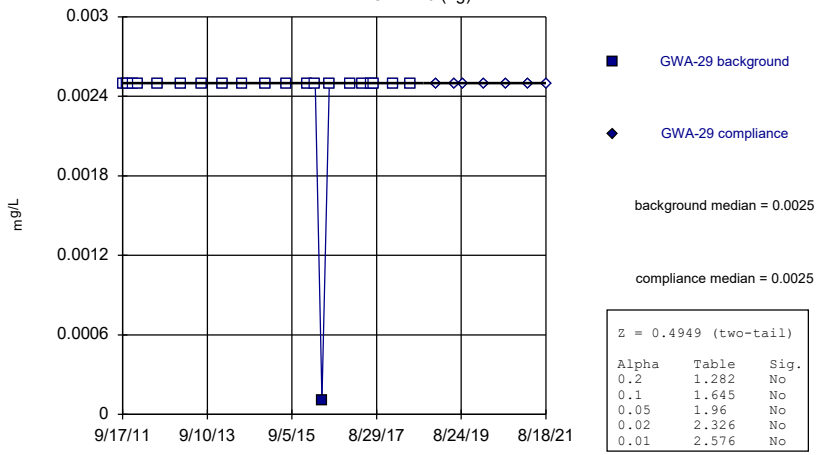
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cadmium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-29 (bg)



Z = 0.4949 (two-tail)

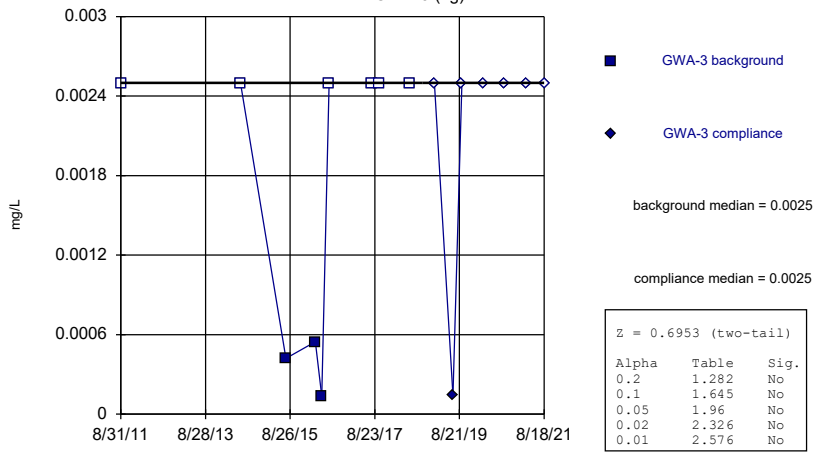
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cadmium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-3 (bg)



Z = 0.6953 (two-tail)

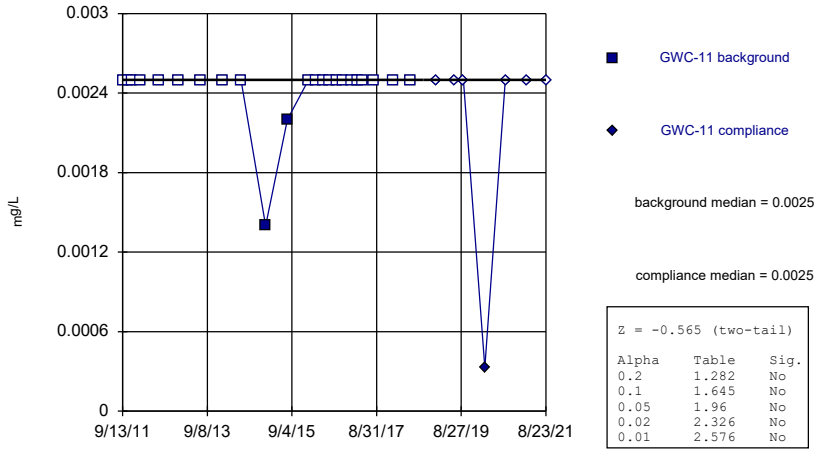
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cadmium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-11



Z = -0.565 (two-tail)

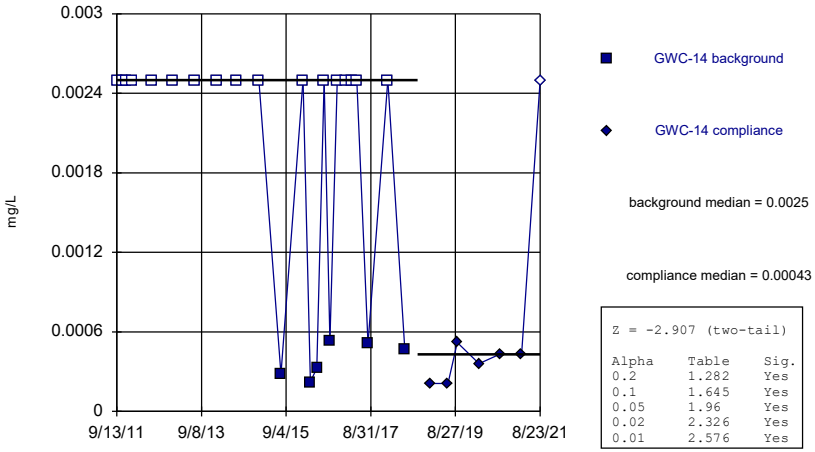
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cadmium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-14



background median = 0.0025

compliance median = 0.00043

Z = -2.907 (two-tail)

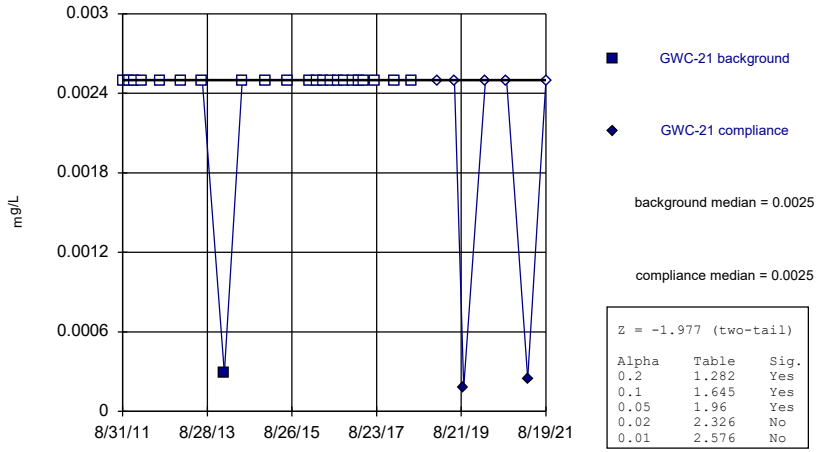
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Cadmium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-21



background median = 0.0025

compliance median = 0.0025

Z = -1.977 (two-tail)

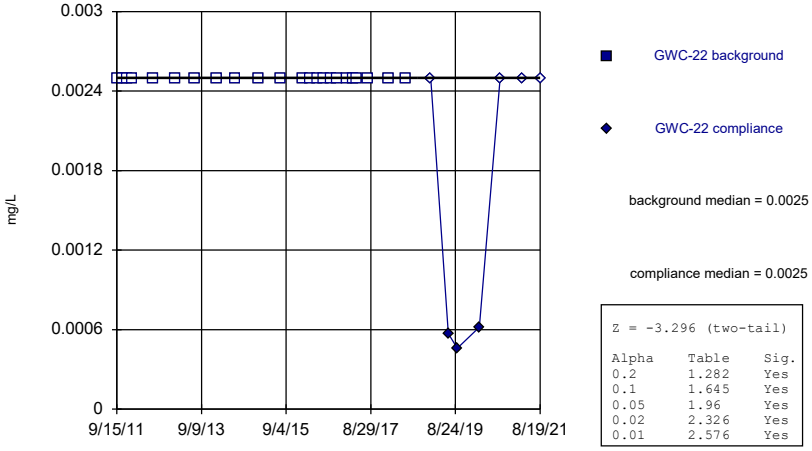
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Cadmium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-22



background median = 0.0025

compliance median = 0.0025

Z = -3.296 (two-tail)

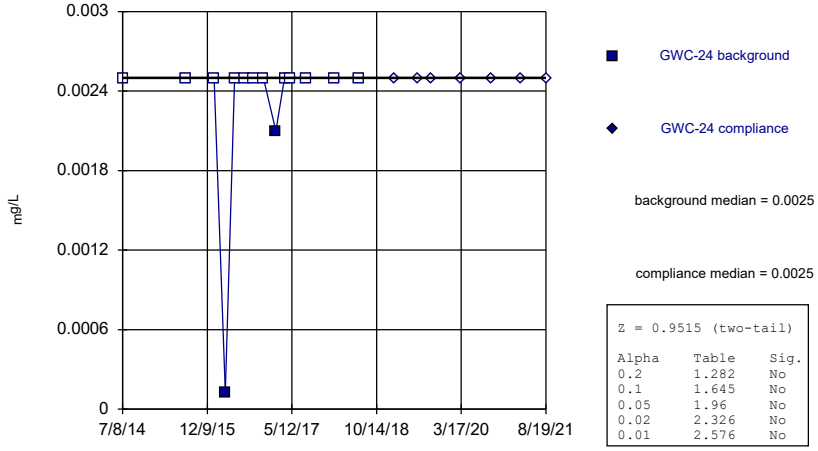
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Cadmium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-24



background median = 0.0025

compliance median = 0.0025

Z = 0.9515 (two-tail)

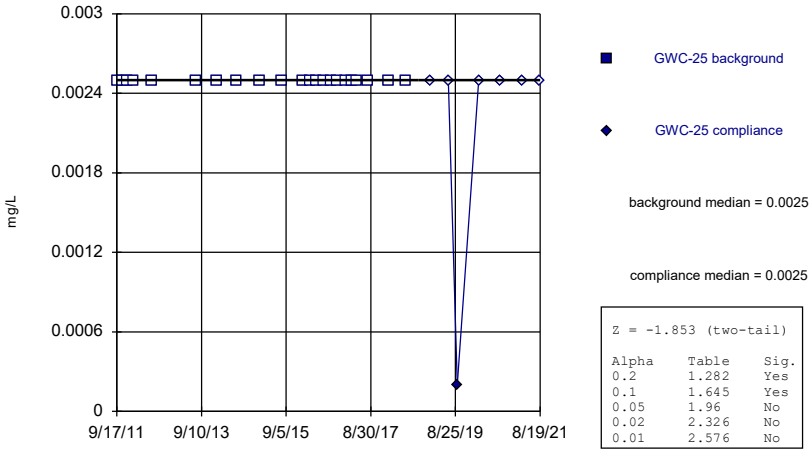
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cadmium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-25



Z = -1.853 (two-tail)

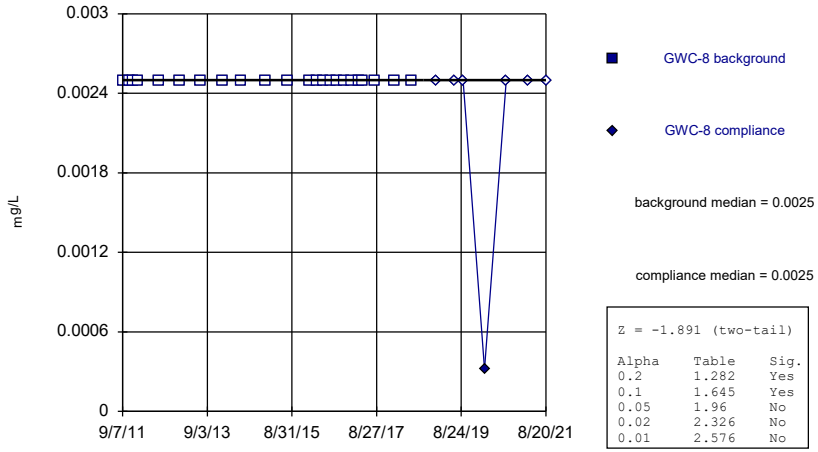
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cadmium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-8



Z = -1.891 (two-tail)

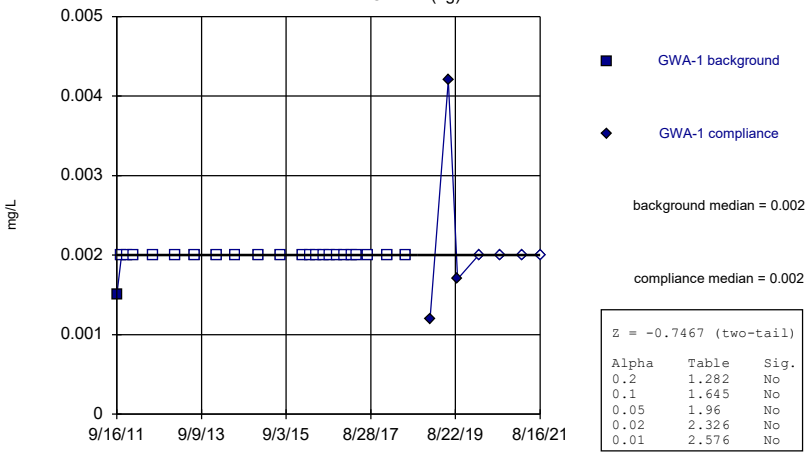
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cadmium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-1 (bg)



Z = -0.7467 (two-tail)

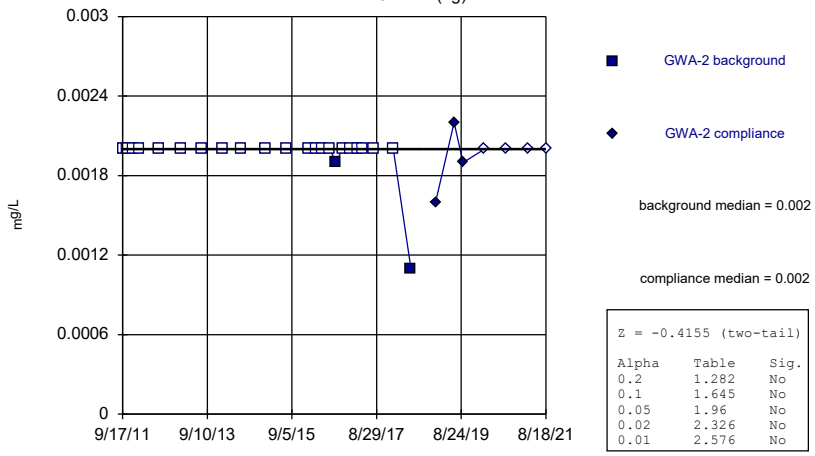
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-2 (bg)



Z = -0.4155 (two-tail)

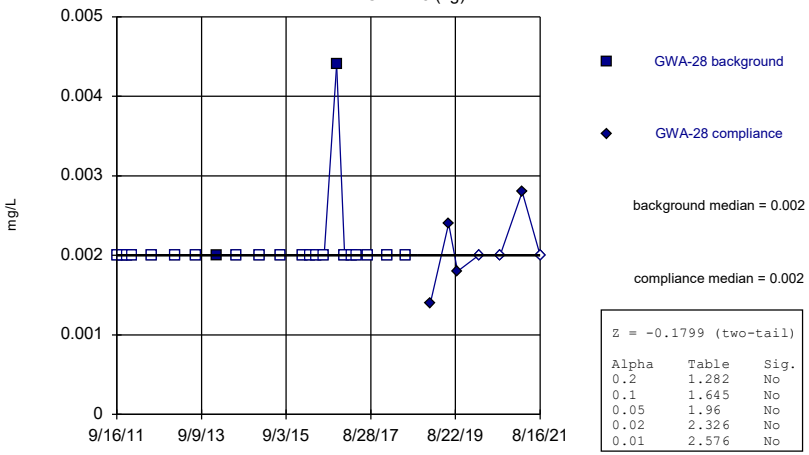
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-28 (bg)



Z = -0.1799 (two-tail)

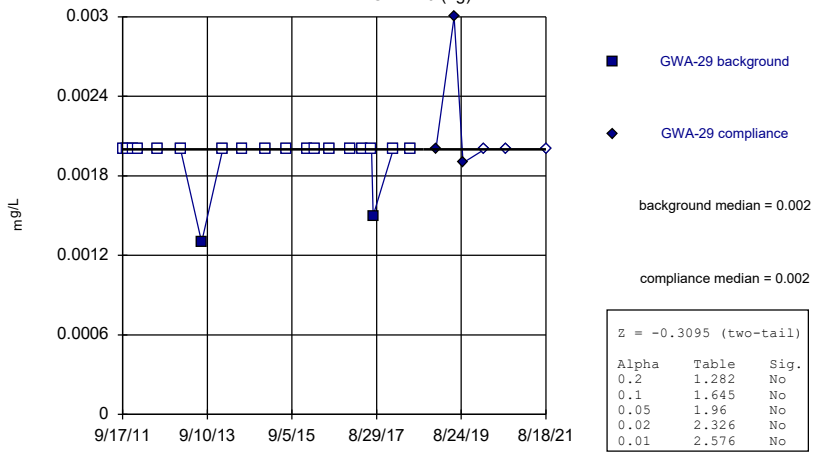
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-29 (bg)



Z = -0.3095 (two-tail)

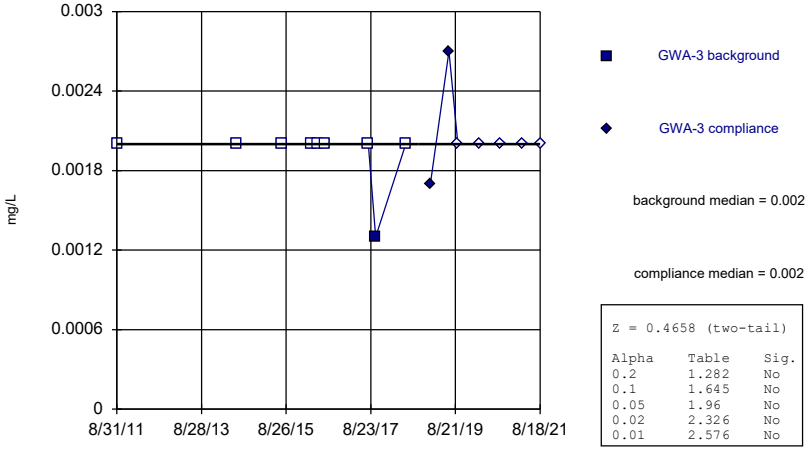
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-3 (bg)



Z = 0.4658 (two-tail)

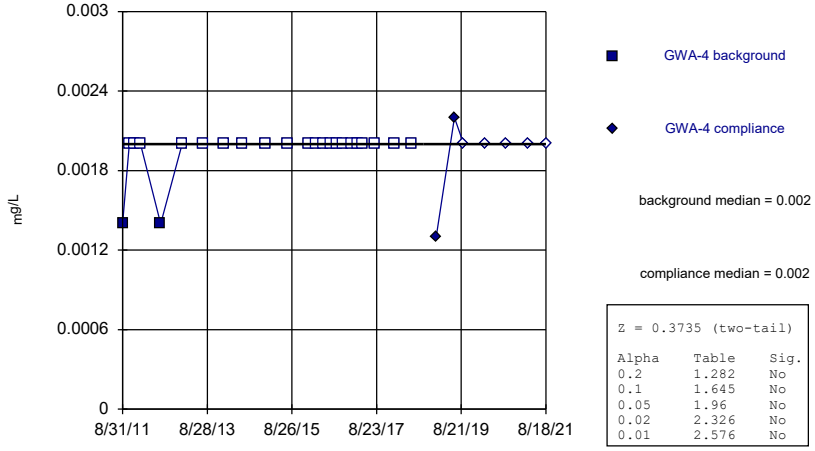
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 5/14/2022 11:18 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-4 (bg)



Z = 0.3735 (two-tail)

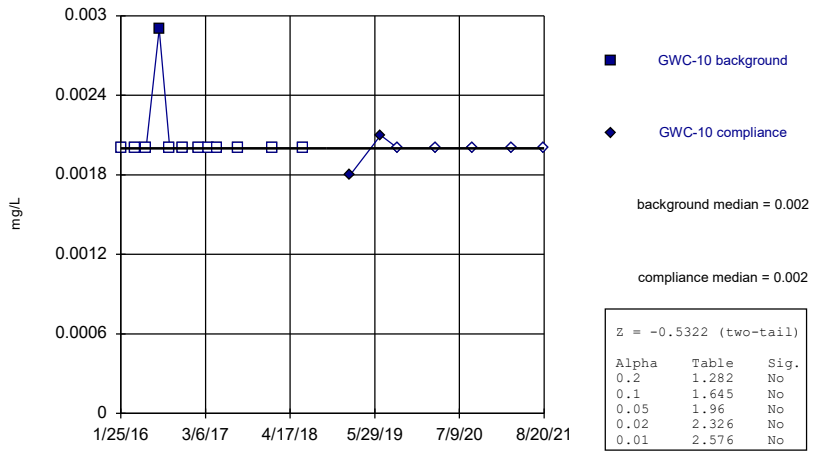
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-10



Z = -0.5322 (two-tail)

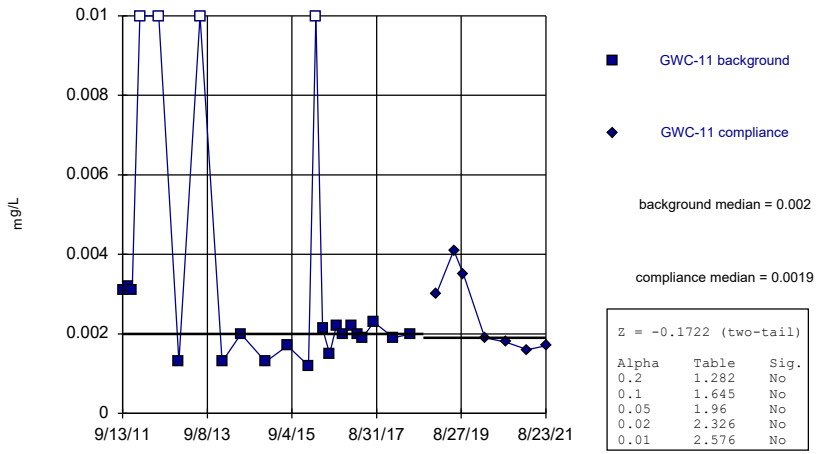
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-11



Z = -0.1722 (two-tail)

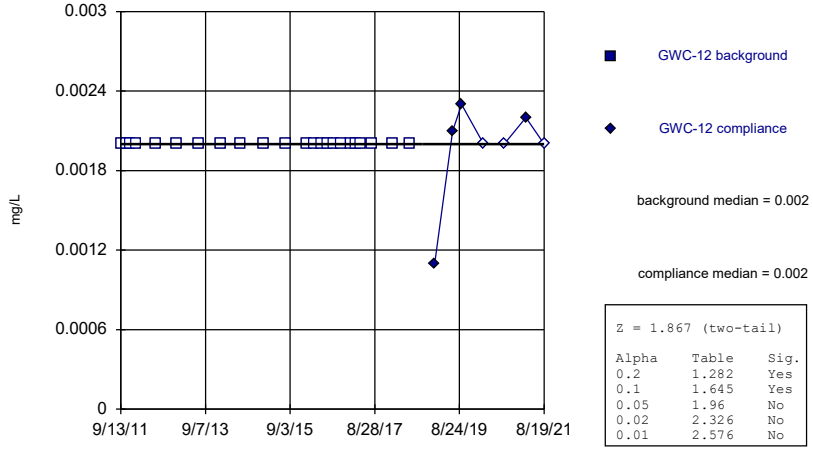
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-12



Z = 1.867 (two-tail)

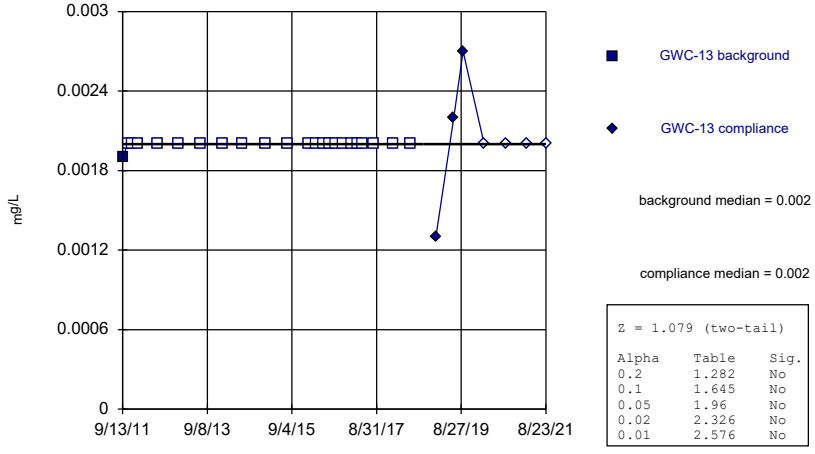
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-13



Z = 1.079 (two-tail)

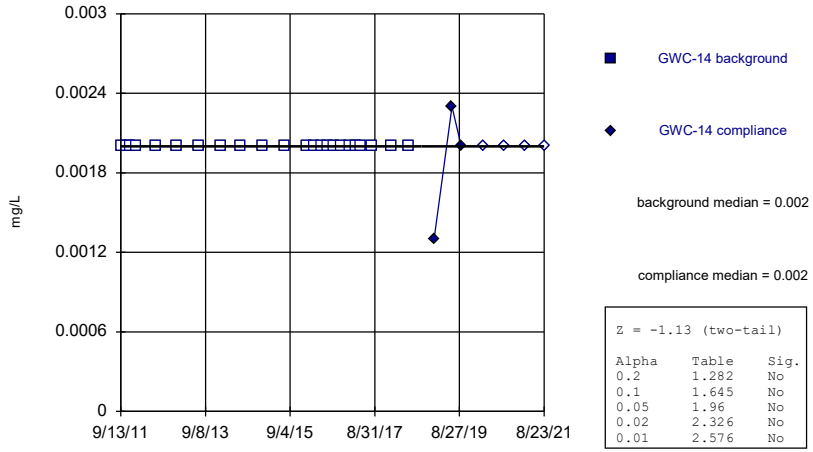
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-14



Z = -1.13 (two-tail)

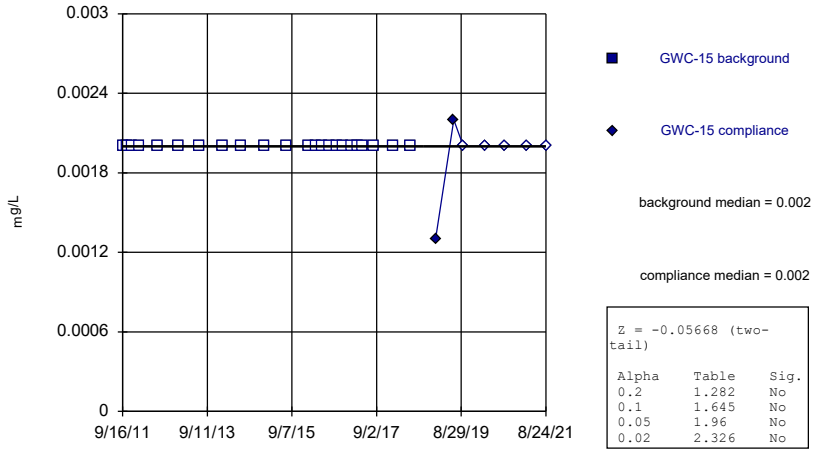
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-15



Z = -0.05668 (two-tail)

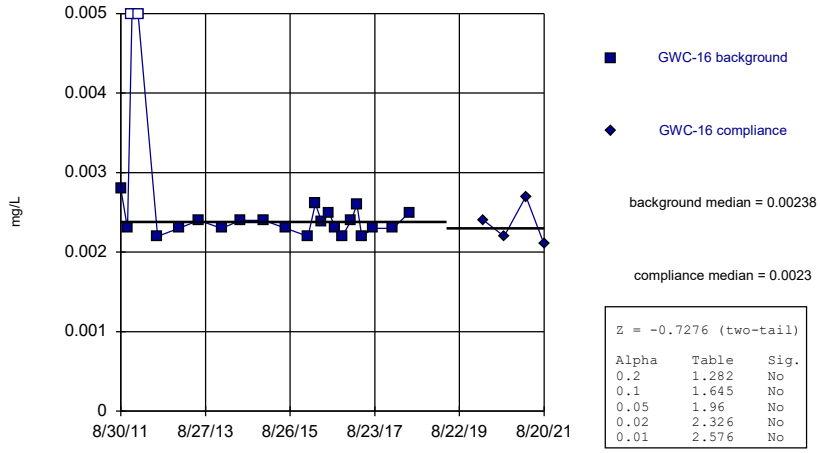
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No

Constituent: Chromium Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-16



Z = -0.7276 (two-tail)

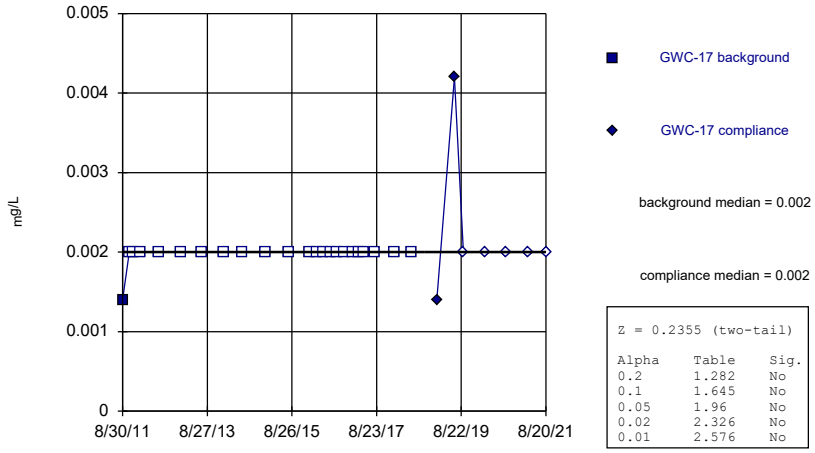
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-17



Z = 0.2355 (two-tail)

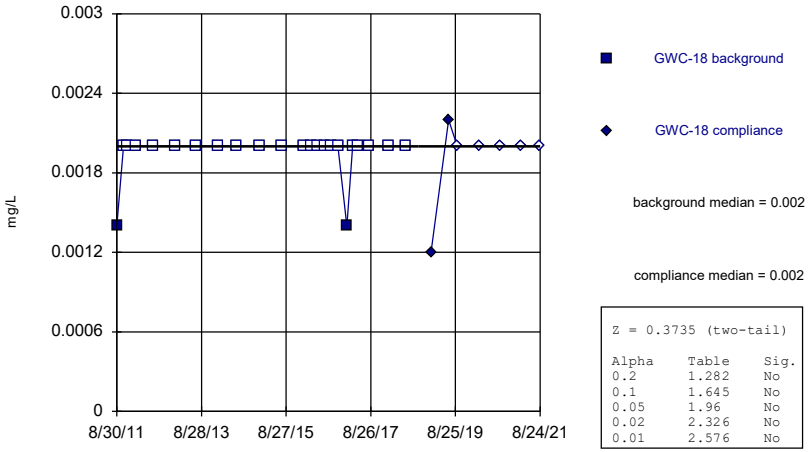
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-18



Z = 0.3735 (two-tail)

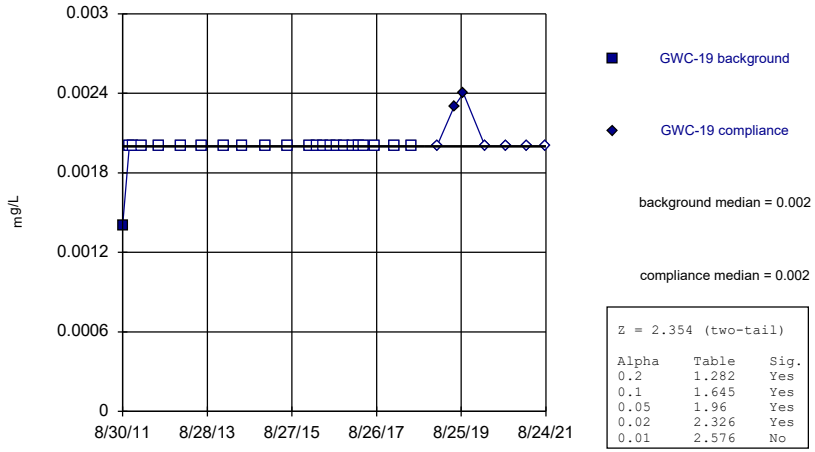
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-19



Z = 2.354 (two-tail)

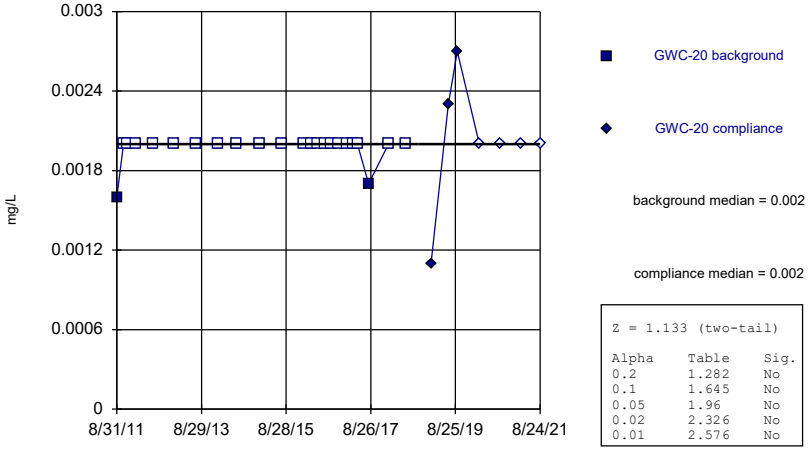
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	No

Constituent: Chromium Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-20



Z = 1.133 (two-tail)

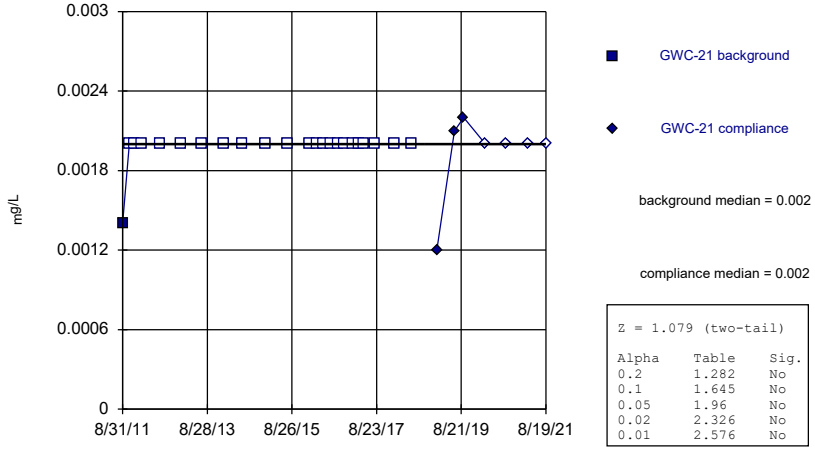
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-21



Z = 1.079 (two-tail)

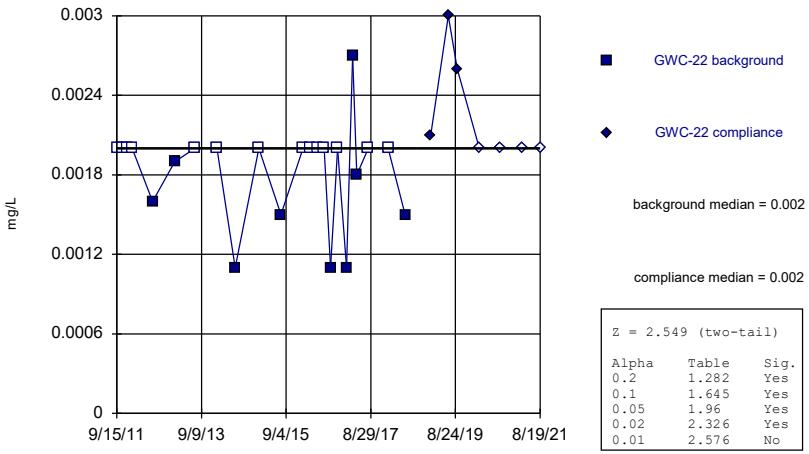
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-22



Z = 2.549 (two-tail)

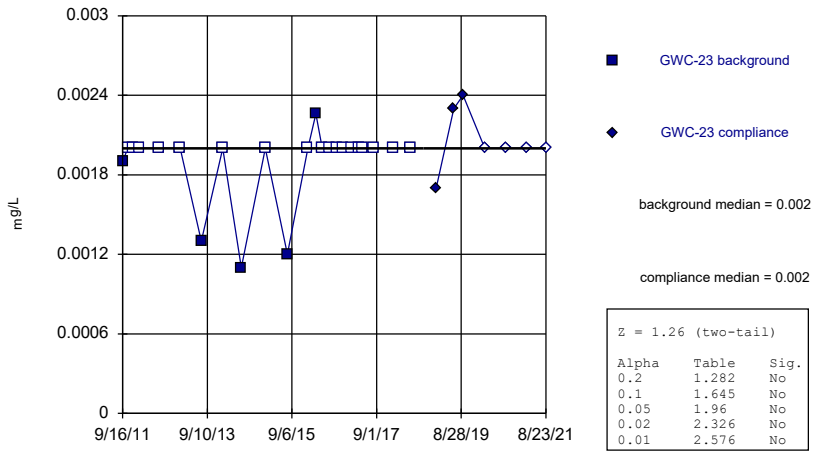
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	No

Constituent: Chromium Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-23



Z = 1.26 (two-tail)

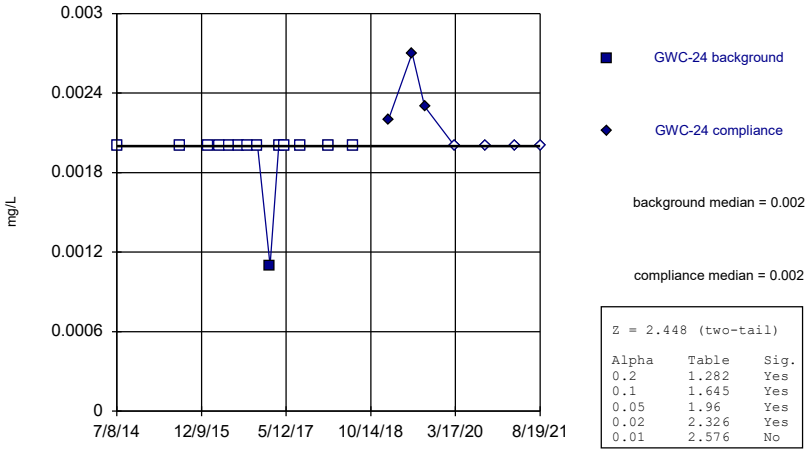
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-24



Z = 2.448 (two-tail)

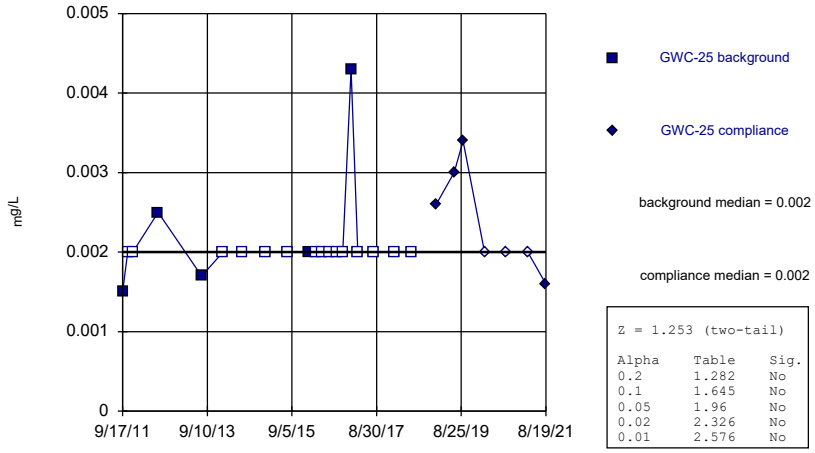
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	No

Constituent: Chromium Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-25



Z = 1.253 (two-tail)

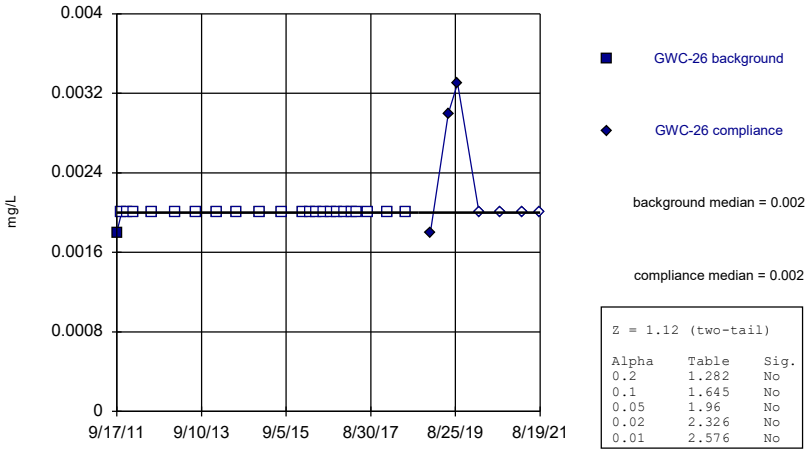
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-26



Z = 1.12 (two-tail)

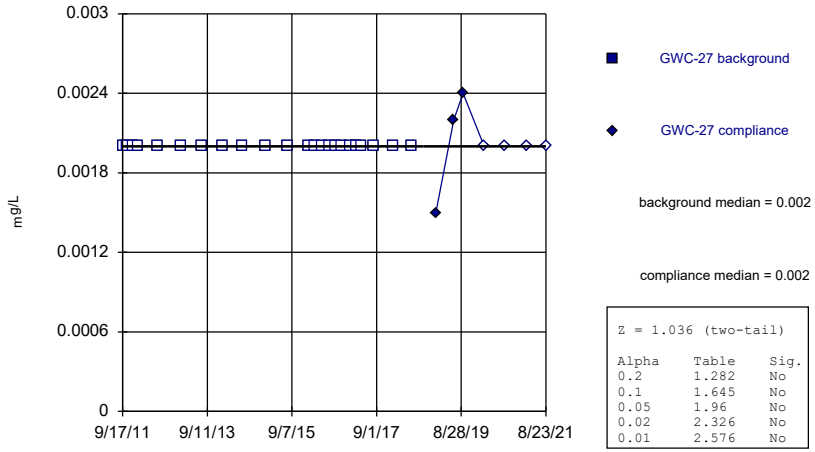
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-27



Z = 1.036 (two-tail)

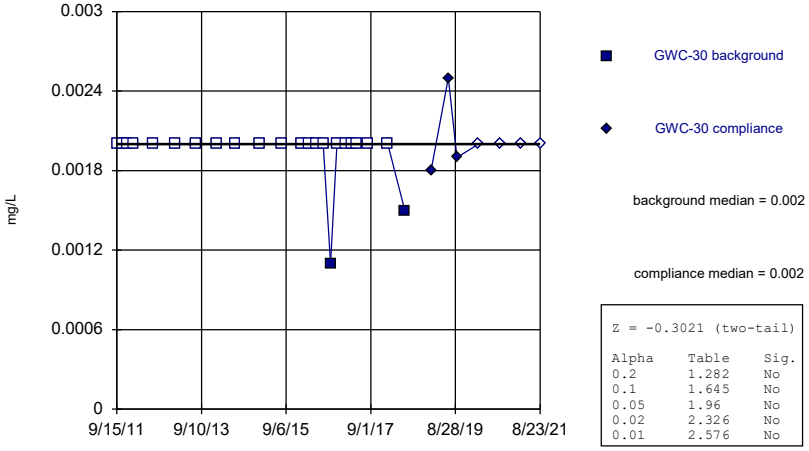
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-30



Z = -0.3021 (two-tail)

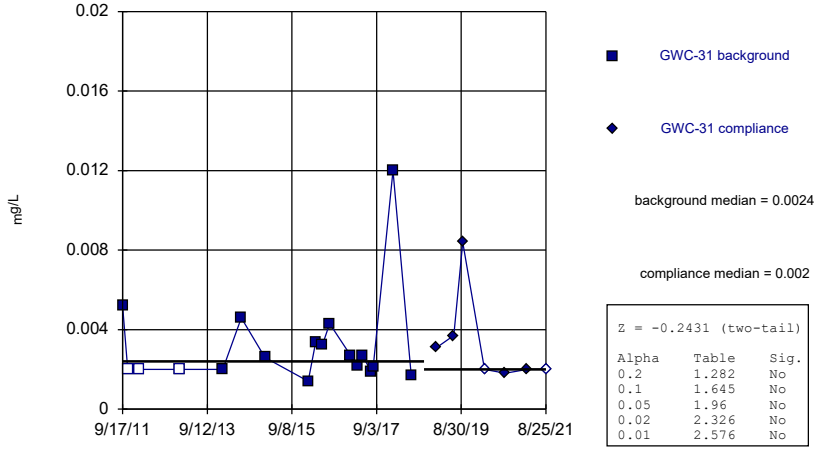
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-31



Z = -0.2431 (two-tail)

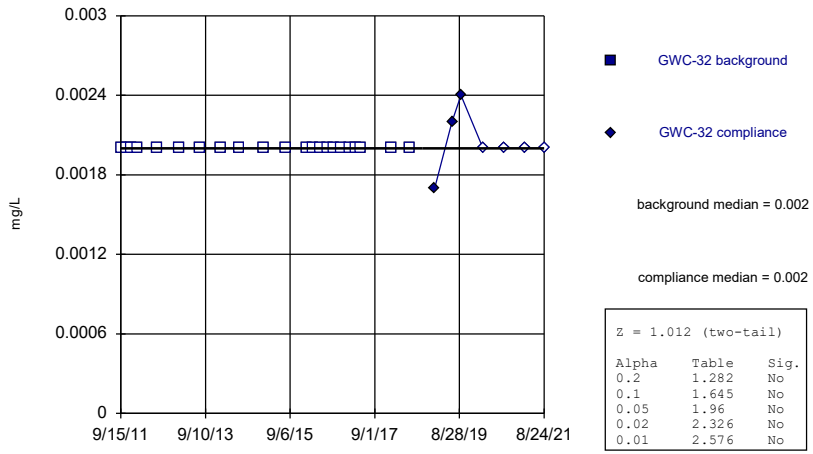
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-32



Z = 1.012 (two-tail)

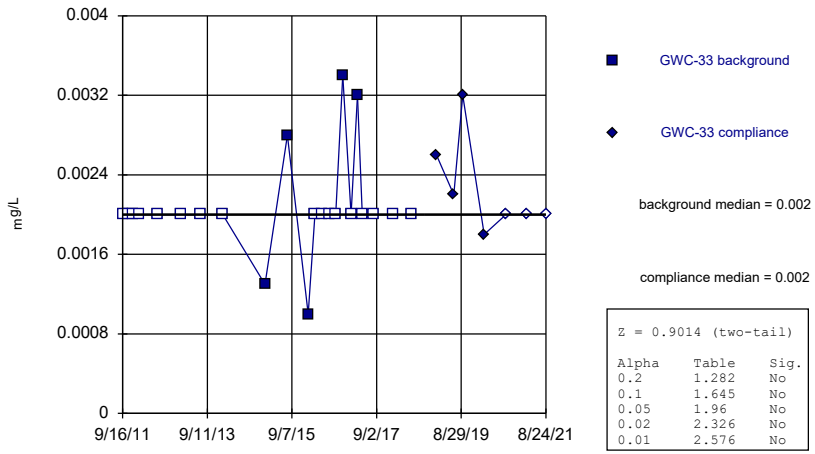
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-33



Z = 0.9014 (two-tail)

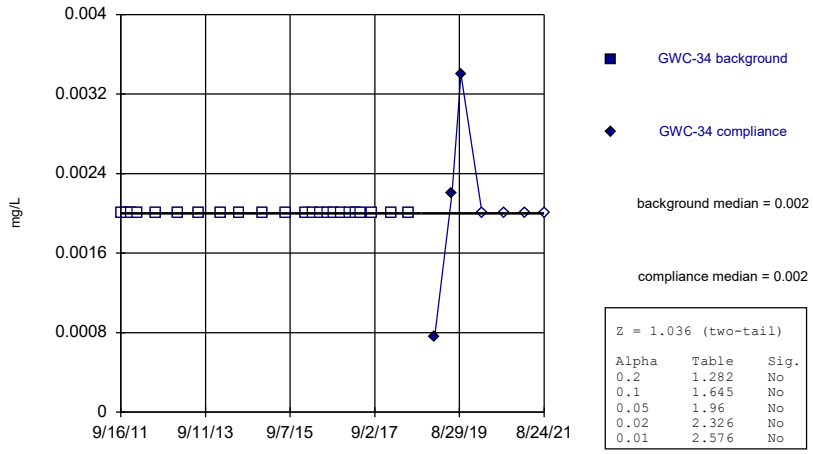
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-34



Z = 1.036 (two-tail)

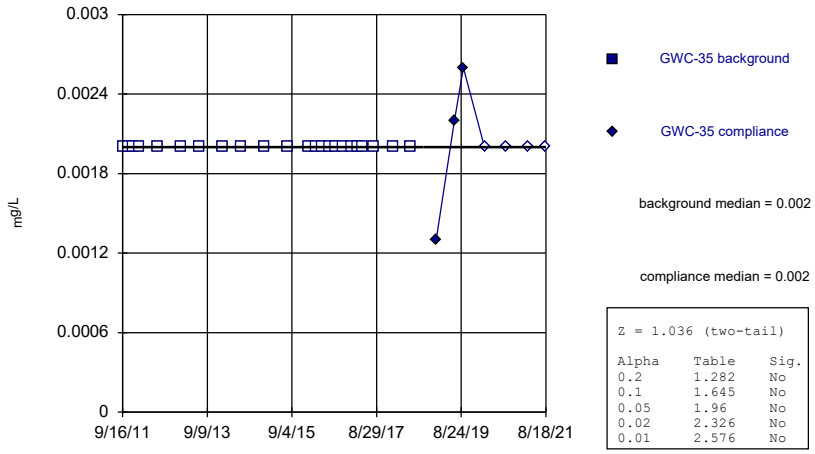
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-35



Z = 1.036 (two-tail)

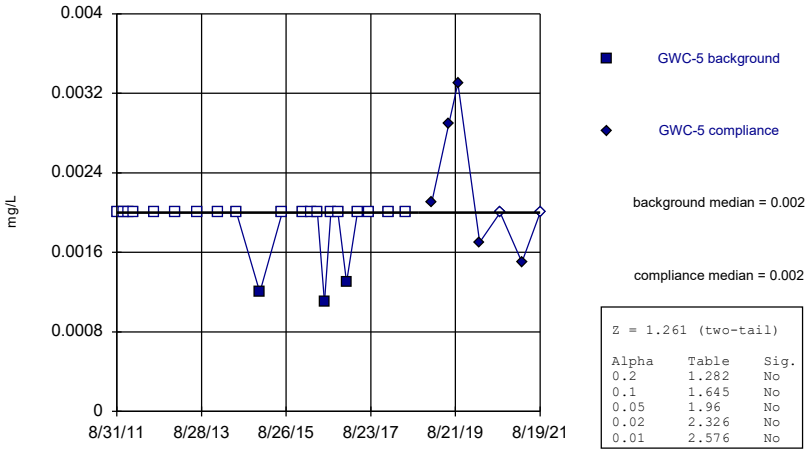
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-5



Z = 1.261 (two-tail)

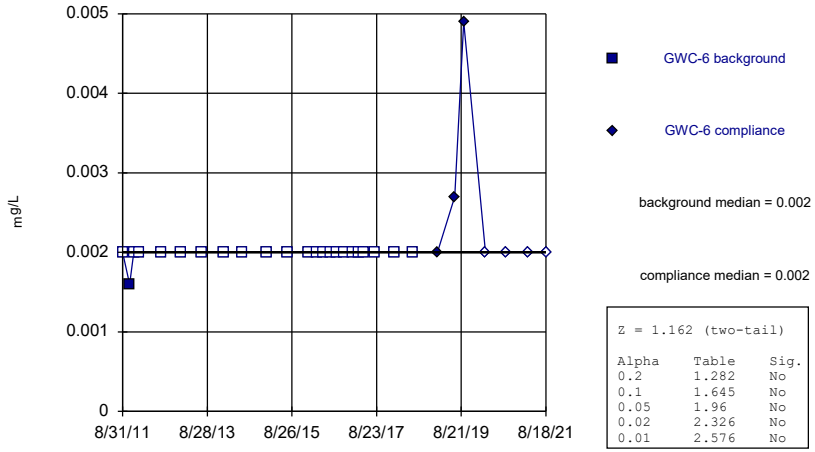
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-6



Z = 1.162 (two-tail)

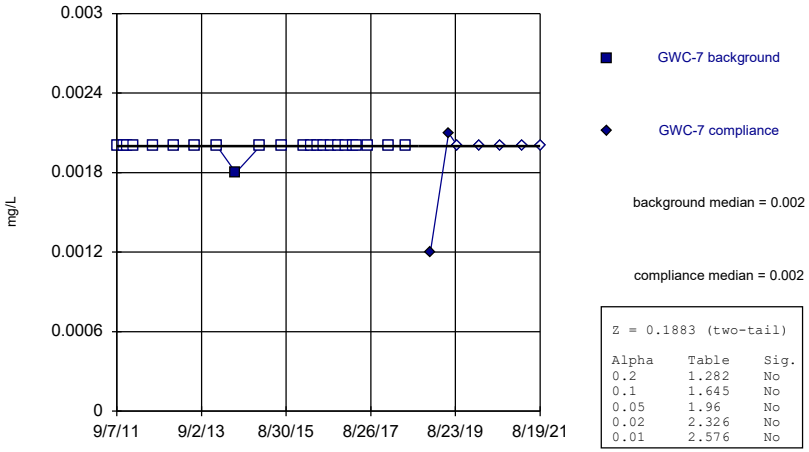
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-7



Z = 0.1883 (two-tail)

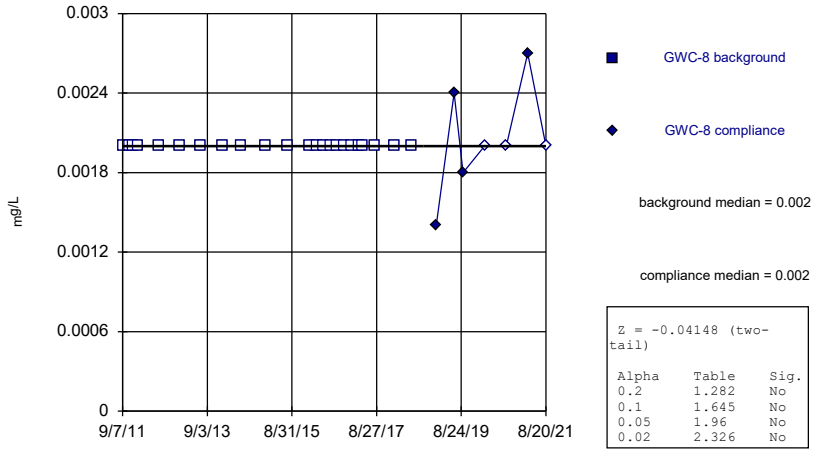
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-8



Z = -0.04148 (two-tail)

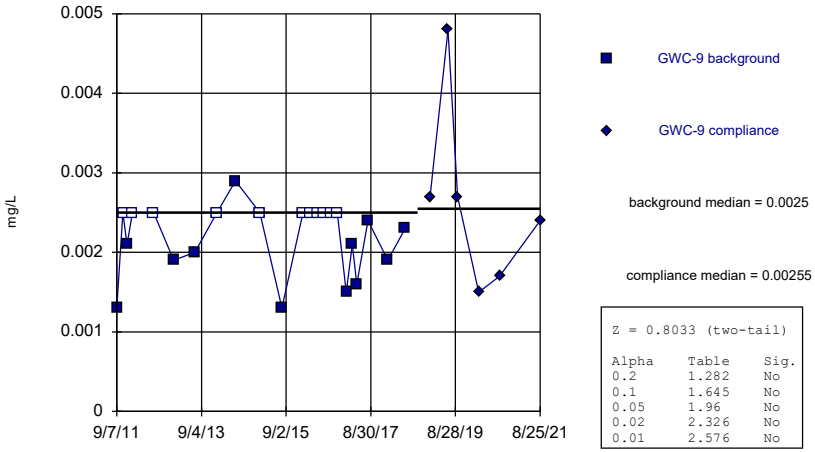
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No

Constituent: Chromium Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-9



Z = 0.8033 (two-tail)

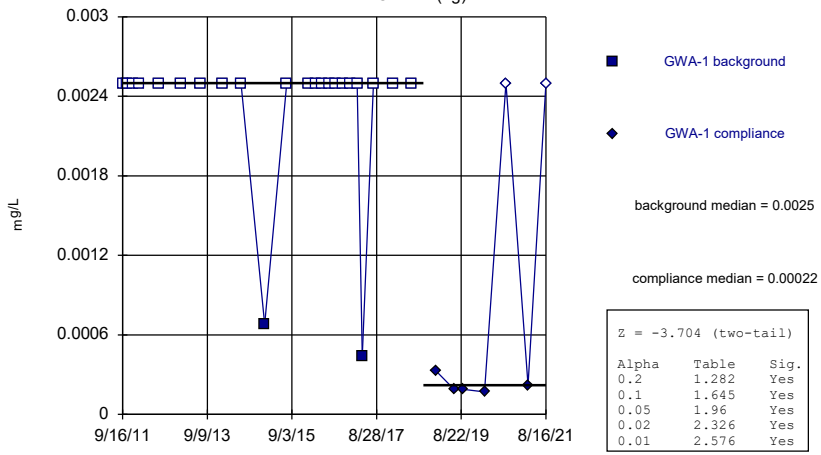
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Chromium Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-1 (bg)



Z = -3.704 (two-tail)

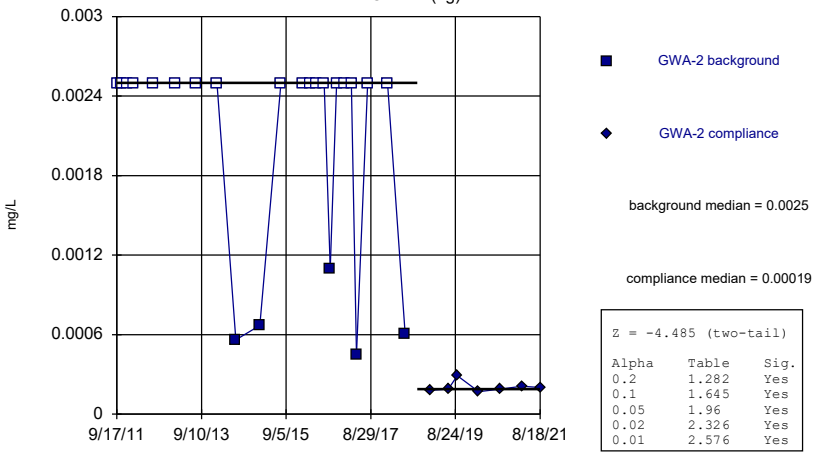
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Cobalt Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-2 (bg)



Z = -4.485 (two-tail)

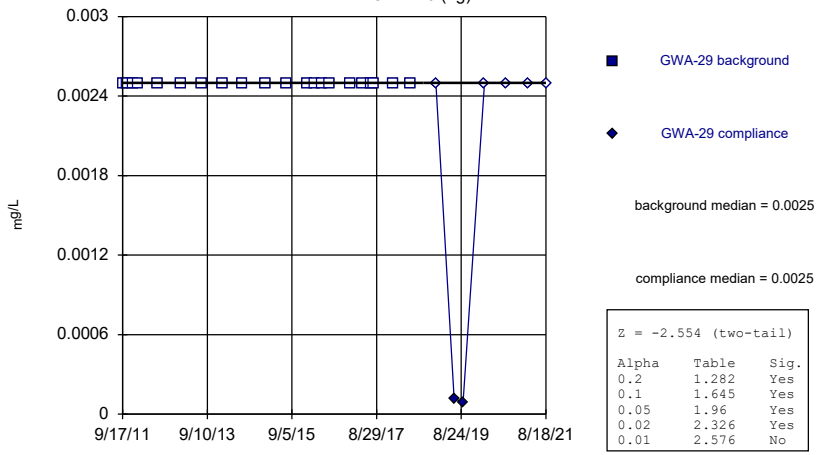
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Cobalt Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-29 (bg)



Z = -2.554 (two-tail)

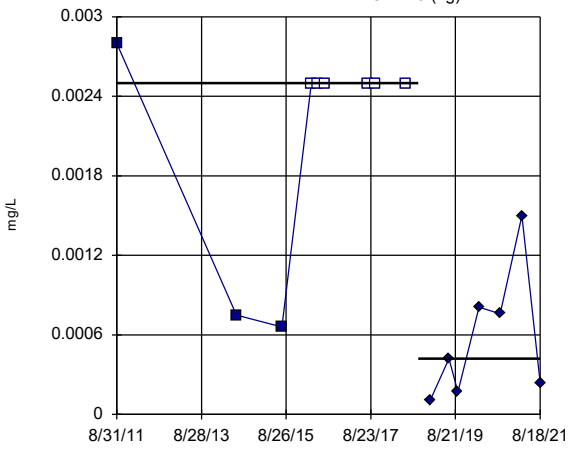
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	No

Constituent: Cobalt Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-3 (bg)



GWA-3 background

GWA-3 compliance

background median = 0.0025

compliance median = 0.00042

Z = -2.826 (two-tail)

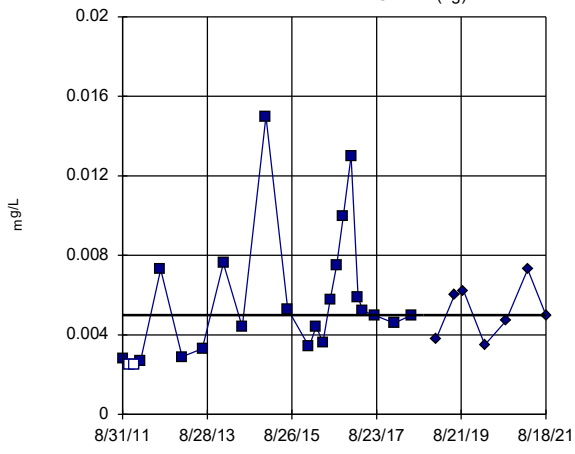
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Cobalt Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-4 (bg)



GWA-4 background

GWA-4 compliance

background median = 0.005

compliance median = 0.005

Z = 0.4171 (two-tail)

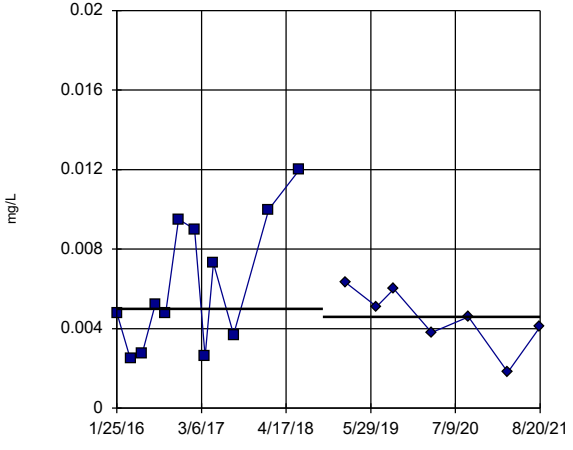
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cobalt Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-10



GWC-10 background

GWC-10 compliance

background median = 0.005

compliance median = 0.0046

Z = -0.8878 (two-tail)

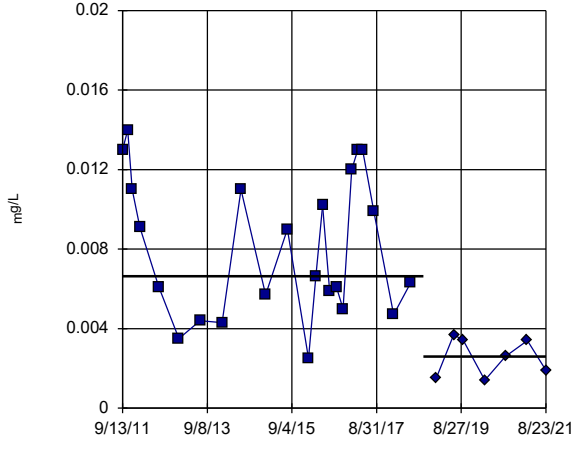
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cobalt Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-11



GWC-11 background

GWC-11 compliance

background median = 0.00664

compliance median = 0.0026

Z = -3.729 (two-tail)

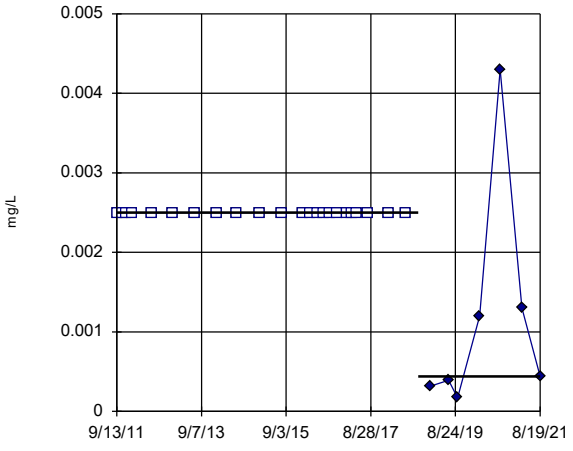
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Cobalt Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-12



GWC-12 background

GWC-12 compliance

background median = 0.0025

compliance median = 0.00044

Z = -3.836 (two-tail)

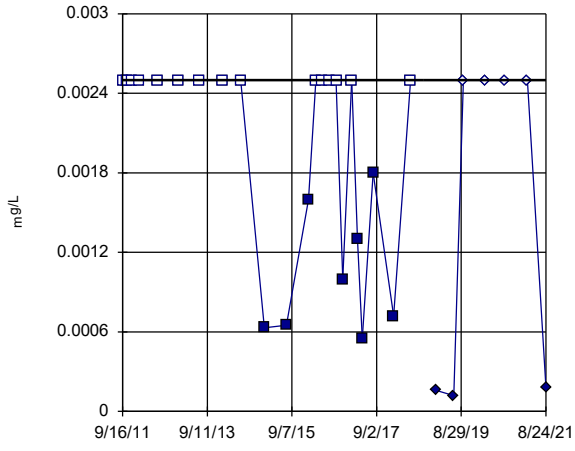
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Cobalt Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-15



GWC-15 background

GWC-15 compliance

background median = 0.0025

compliance median = 0.0025

Z = -1.078 (two-tail)

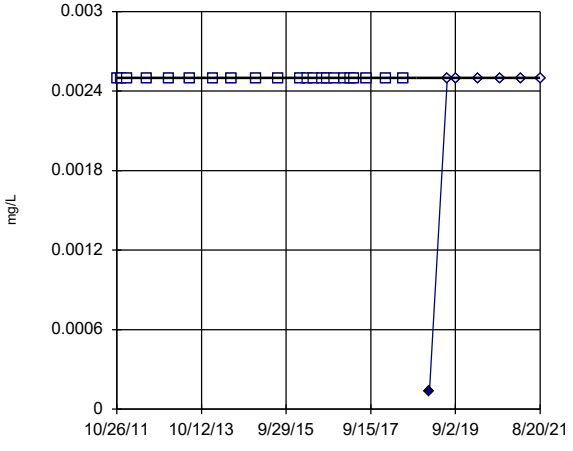
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cobalt Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-16



GWC-16 background

GWC-16 compliance

background median = 0.0025

compliance median = 0.0025

Z = -1.853 (two-tail)

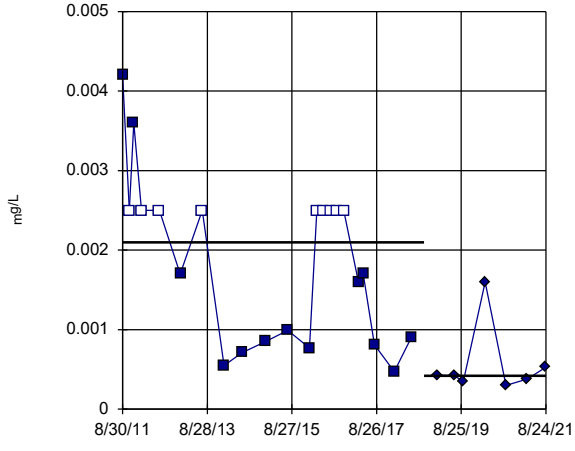
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cobalt Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-19



GWC-19 background

GWC-19 compliance

background median = 0.0021

compliance median = 0.00042

Z = -3.519 (two-tail)

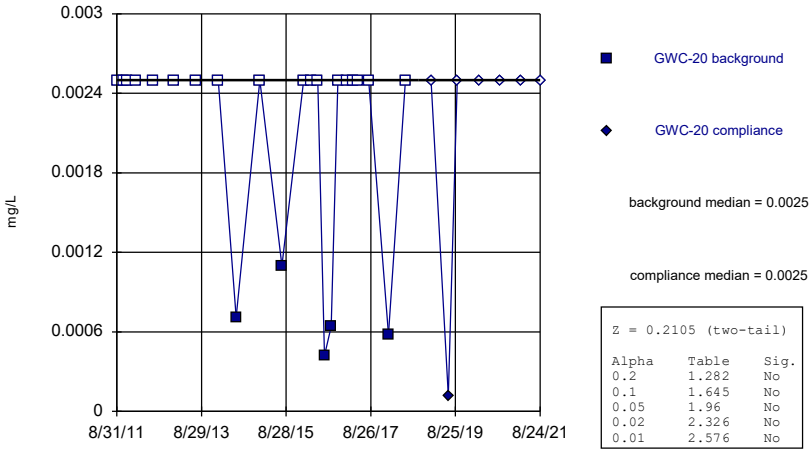
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Cobalt Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-20



Z = 0.2105 (two-tail)

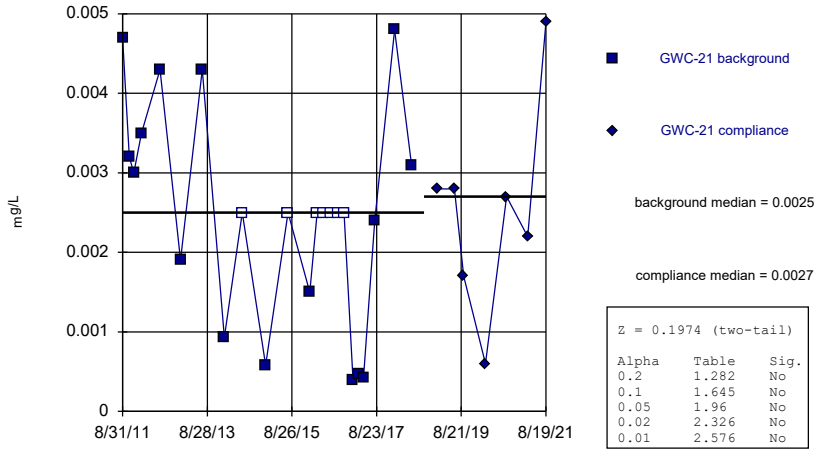
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cobalt Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-21



Z = 0.1974 (two-tail)

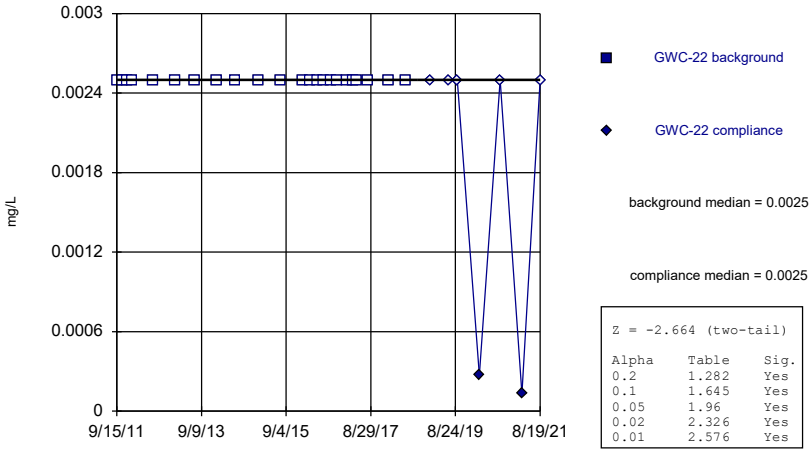
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cobalt Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-22



Z = -2.664 (two-tail)

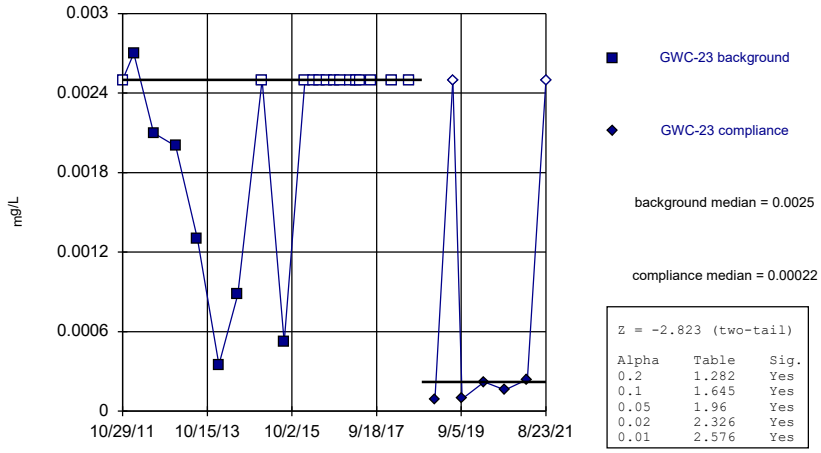
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Cobalt Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-23



Z = -2.823 (two-tail)

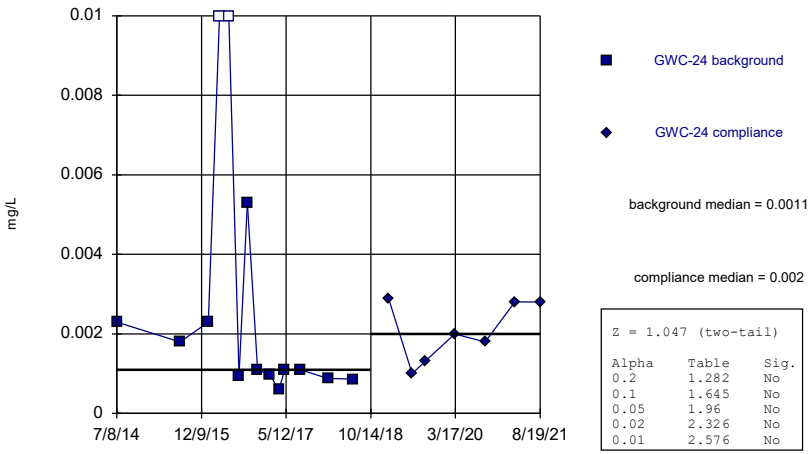
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Cobalt Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-24



background median = 0.0011

compliance median = 0.002

Z = 1.047 (two-tail)

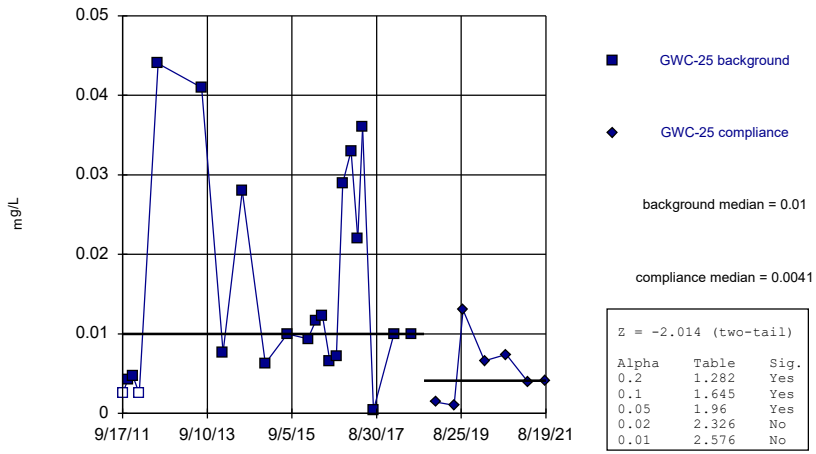
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cobalt Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-25



background median = 0.01

compliance median = 0.0041

Z = -2.014 (two-tail)

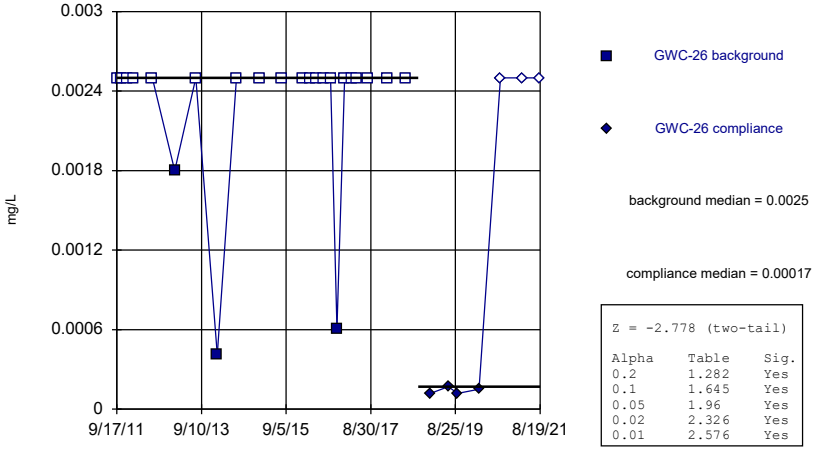
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Cobalt Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-26



background median = 0.0025

compliance median = 0.00017

Z = -2.778 (two-tail)

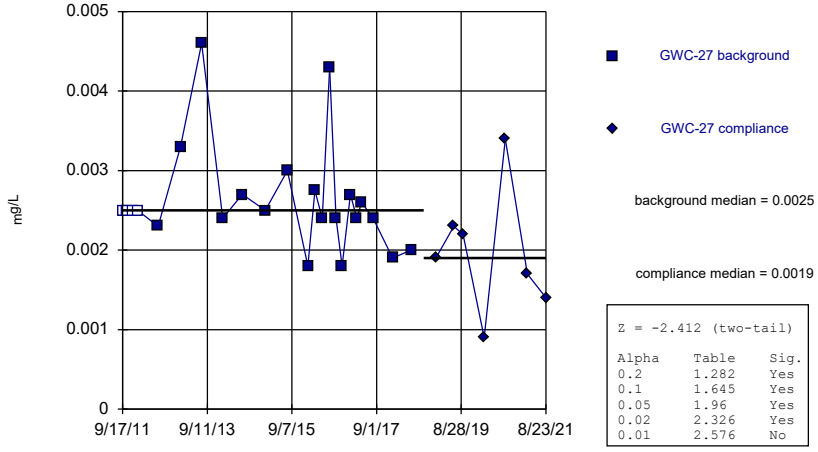
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Cobalt Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-27



background median = 0.0025

compliance median = 0.0019

Z = -2.412 (two-tail)

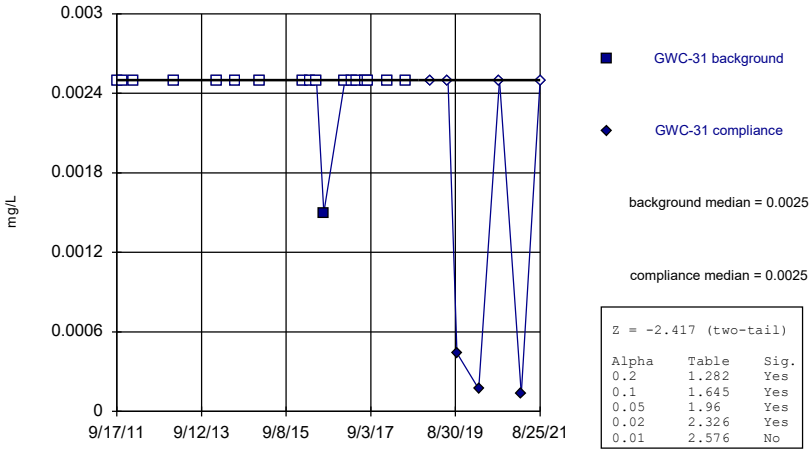
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	No

Constituent: Cobalt Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-31



Z = -2.417 (two-tail)

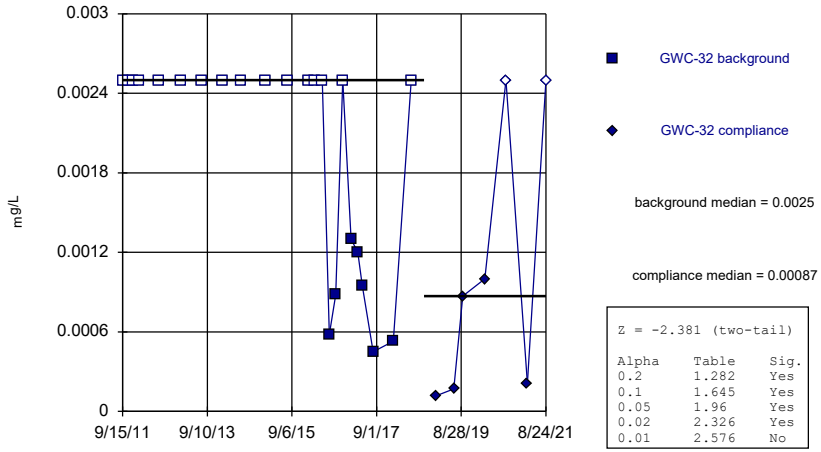
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	No

Constituent: Cobalt Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-32



Z = -2.381 (two-tail)

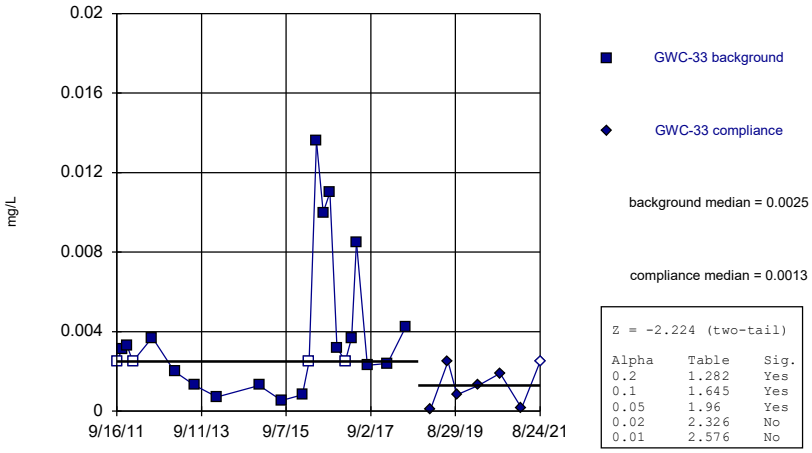
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	No

Constituent: Cobalt Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-33



Z = -2.224 (two-tail)

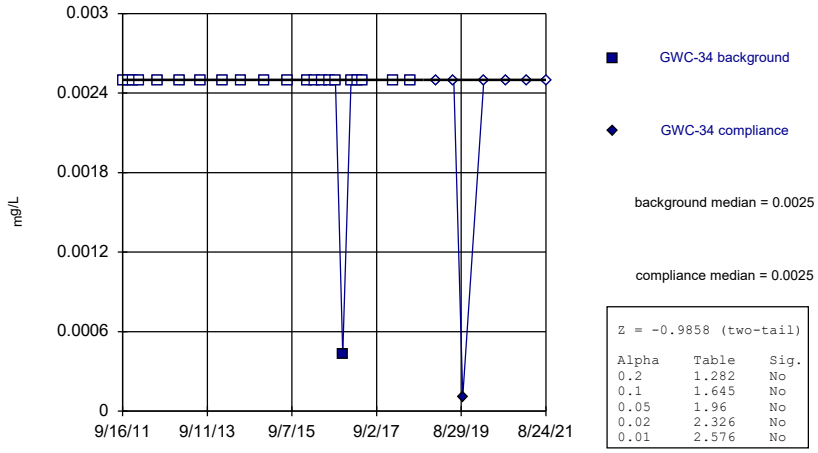
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Cobalt Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-34



Z = -0.9858 (two-tail)

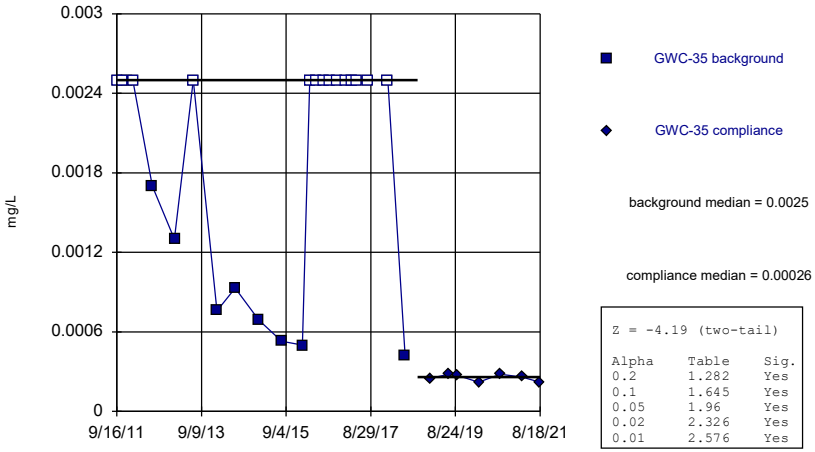
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cobalt Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-35



Z = -4.19 (two-tail)

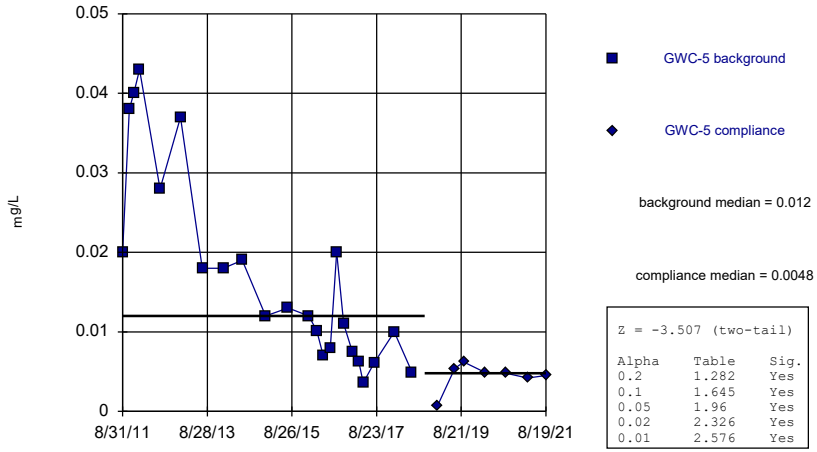
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Cobalt Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-5



Z = -3.507 (two-tail)

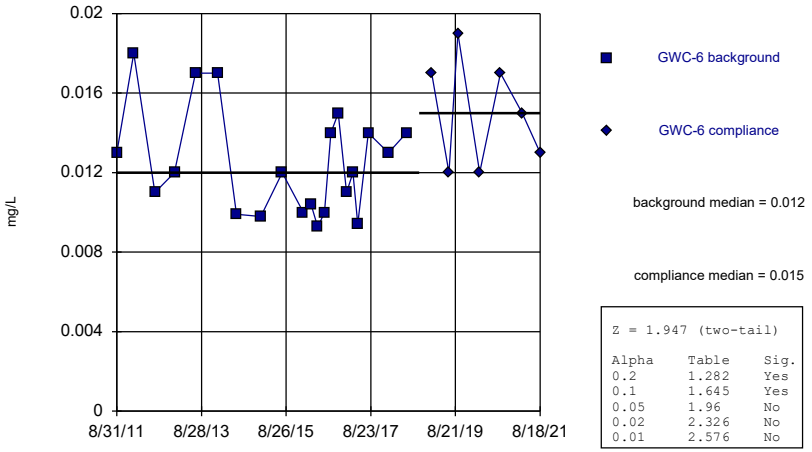
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Cobalt Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-6



Z = 1.947 (two-tail)

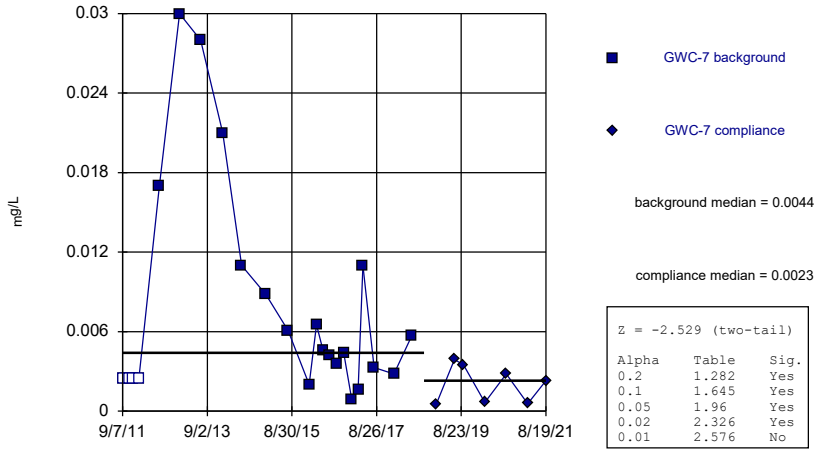
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Cobalt Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-7



Z = -2.529 (two-tail)

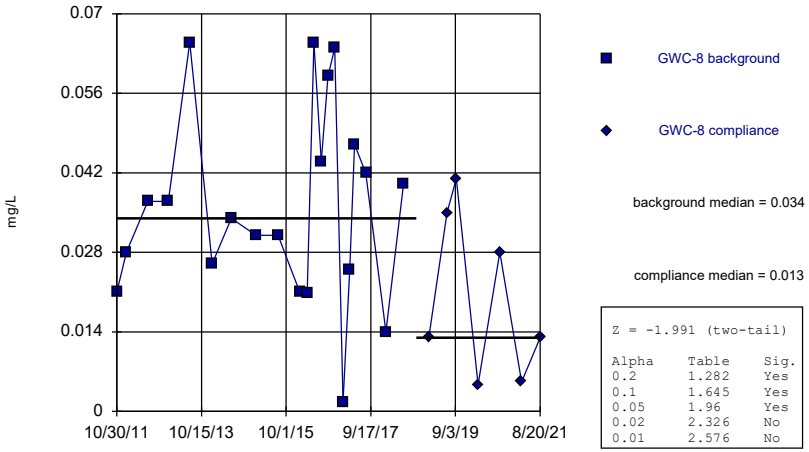
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	No

Constituent: Cobalt Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-8



Z = -1.991 (two-tail)

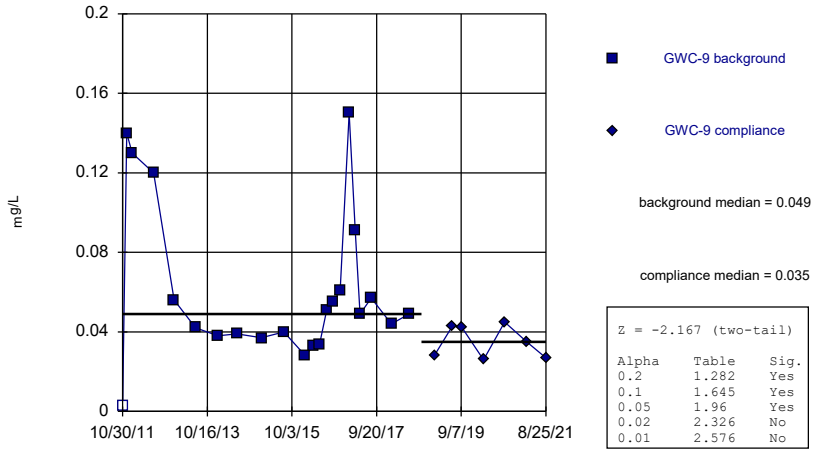
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Cobalt Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-9



Z = -2.167 (two-tail)

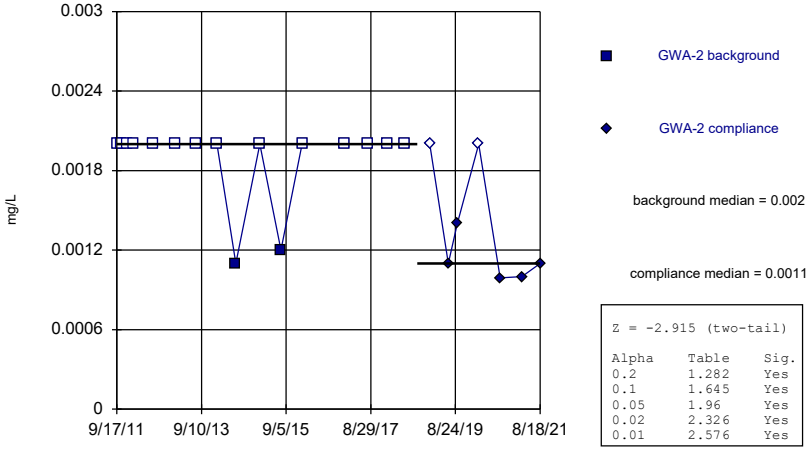
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Cobalt Analysis Run 5/14/2022 11:19 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-2 (bg)



Z = -2.915 (two-tail)

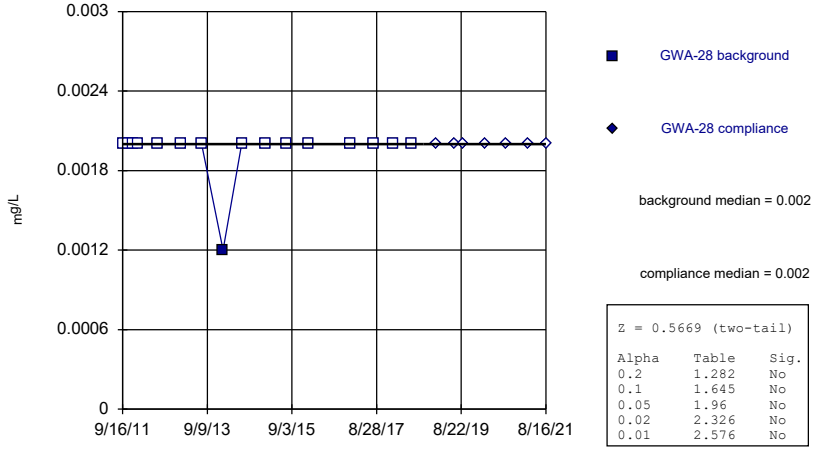
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Copper Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-28 (bg)



Z = 0.5669 (two-tail)

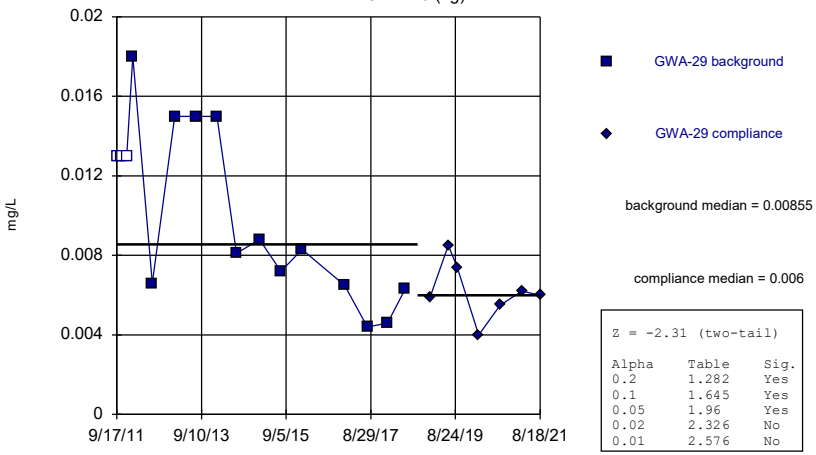
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-29 (bg)



Z = -2.31 (two-tail)

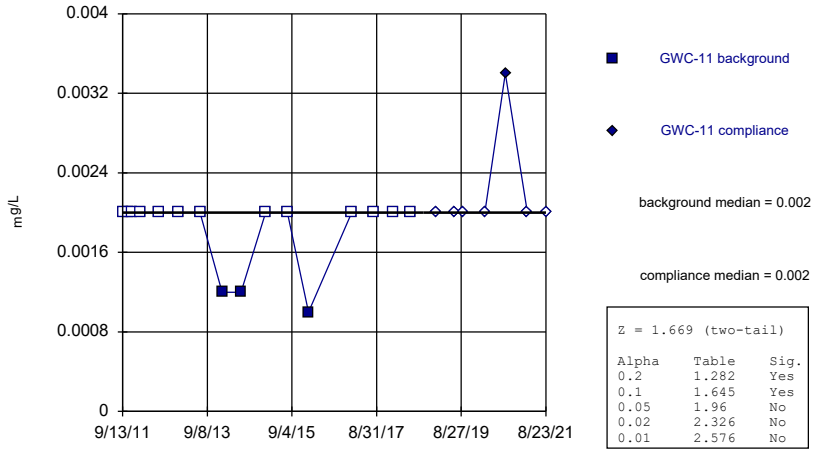
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-11



Z = 1.669 (two-tail)

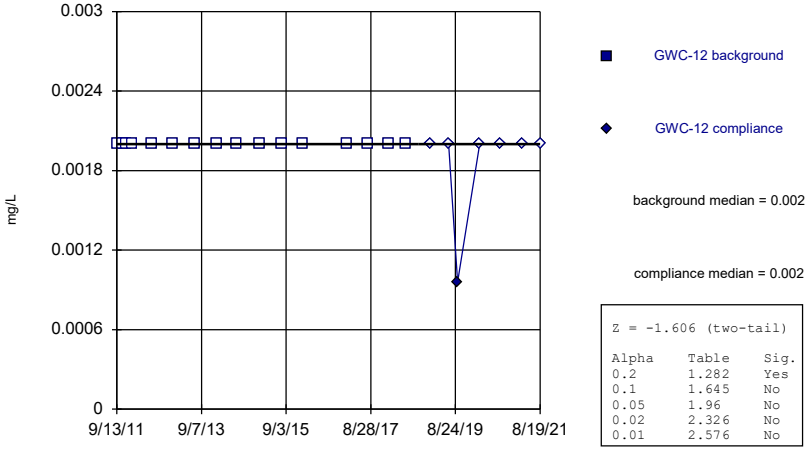
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-12



Z = -1.606 (two-tail)

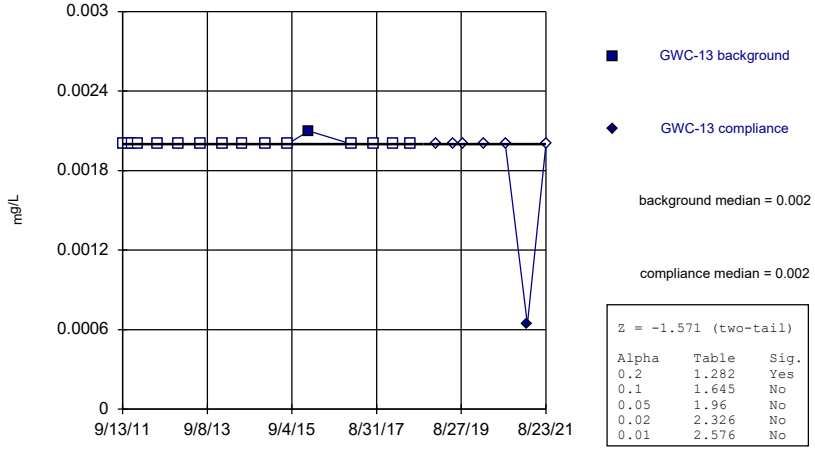
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-13



Z = -1.571 (two-tail)

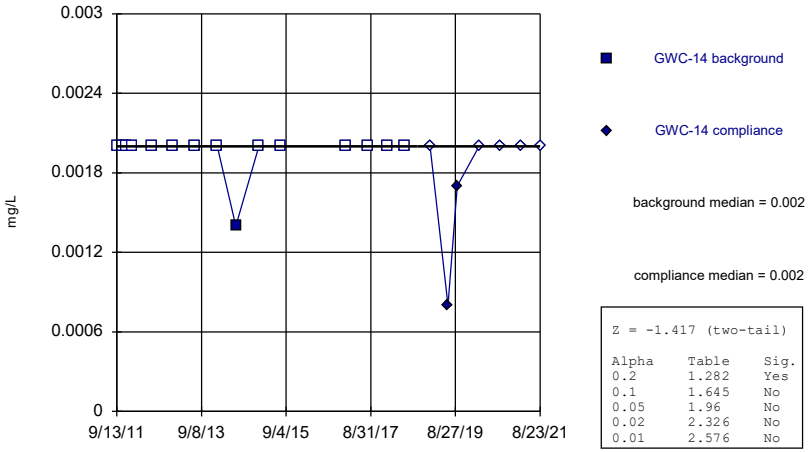
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-14



Z = -1.417 (two-tail)

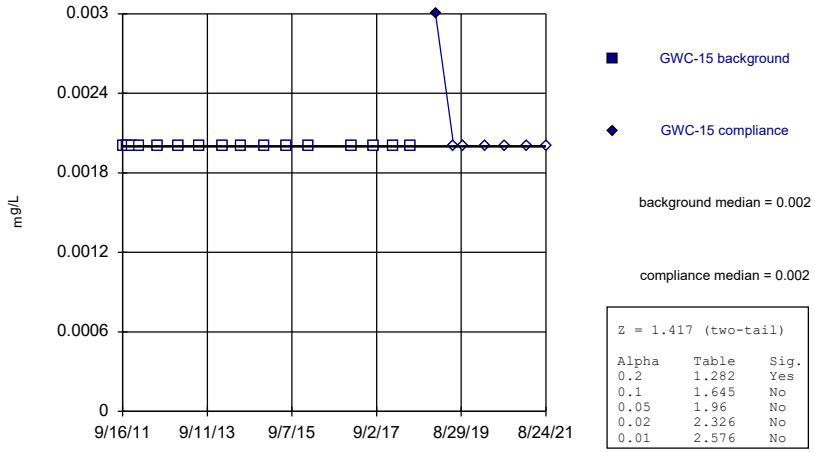
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-15



Z = 1.417 (two-tail)

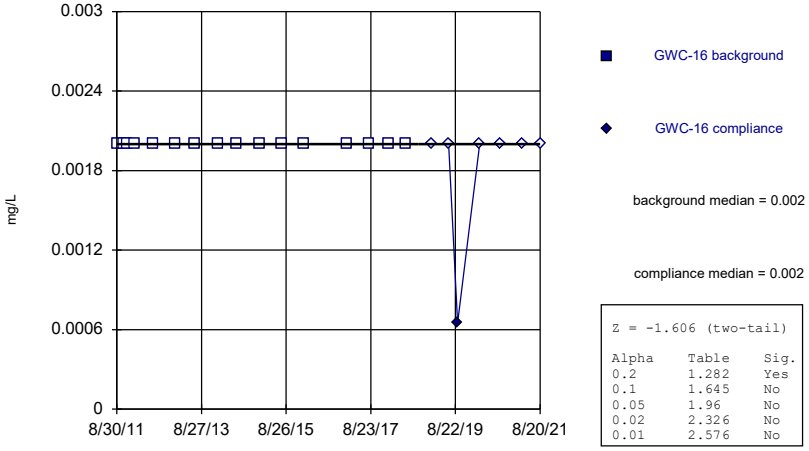
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-16



Z = -1.606 (two-tail)

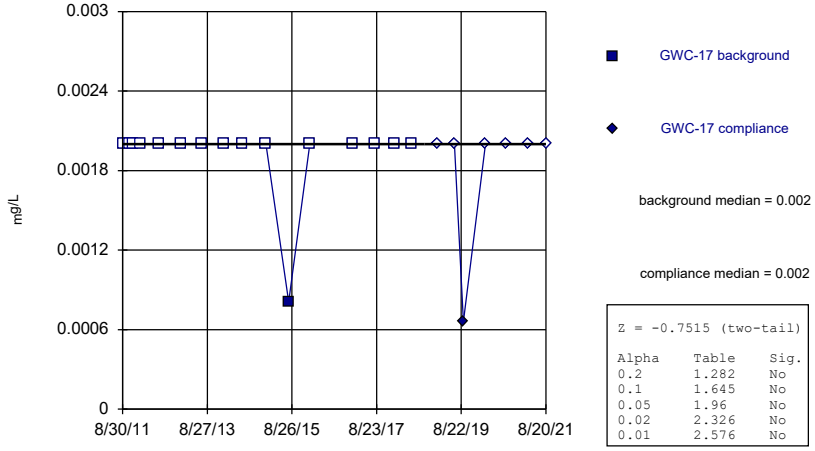
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-17



Z = -0.7515 (two-tail)

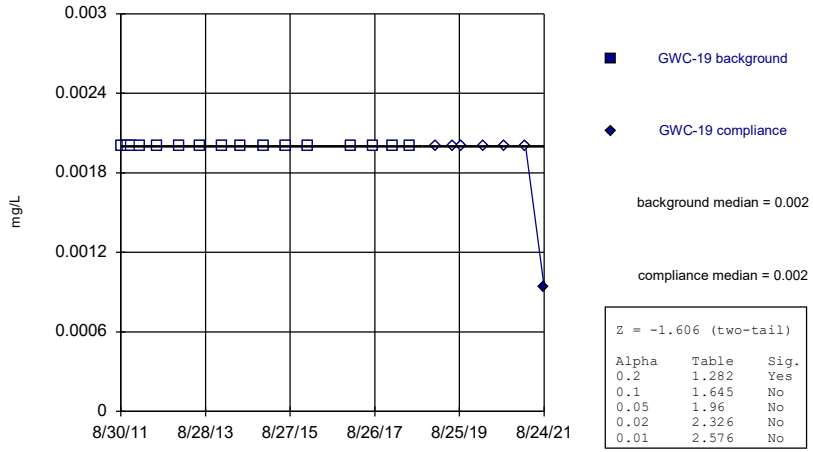
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-19



Z = -1.606 (two-tail)

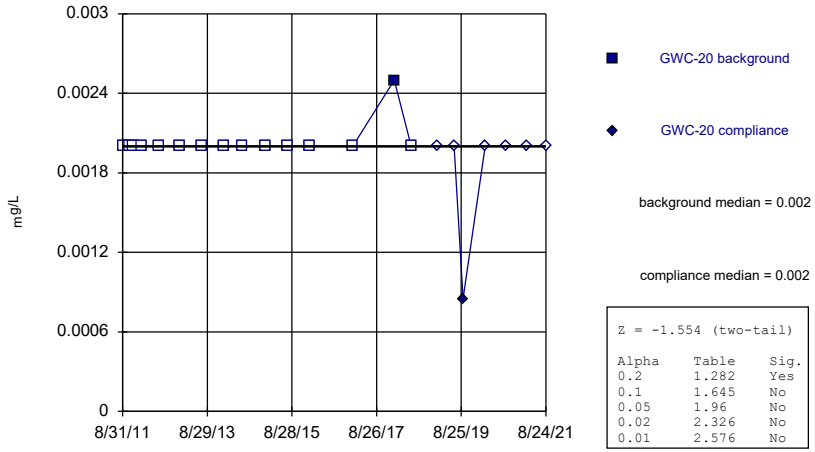
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-20



Z = -1.554 (two-tail)

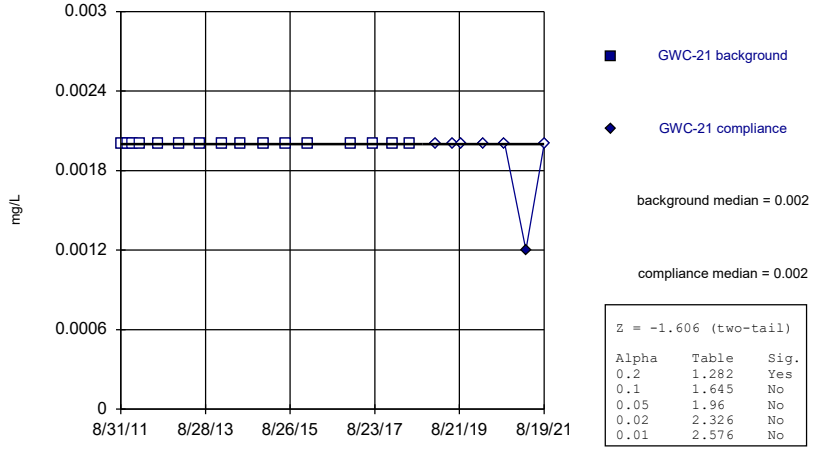
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-21



Z = -1.606 (two-tail)

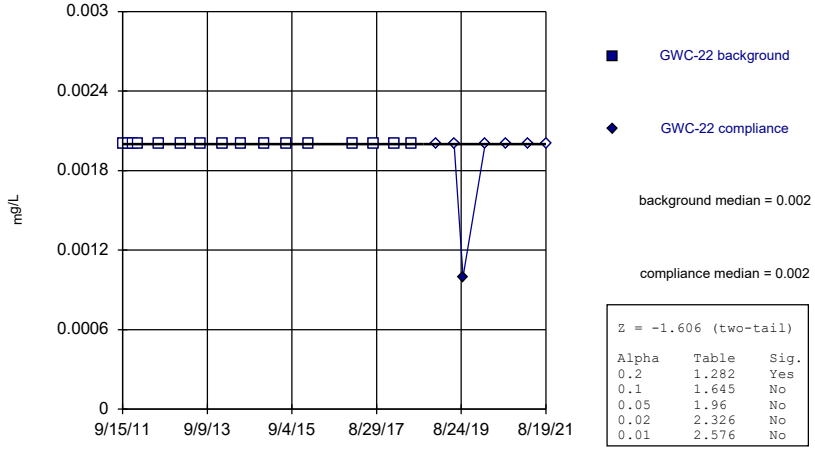
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-22



Z = -1.606 (two-tail)

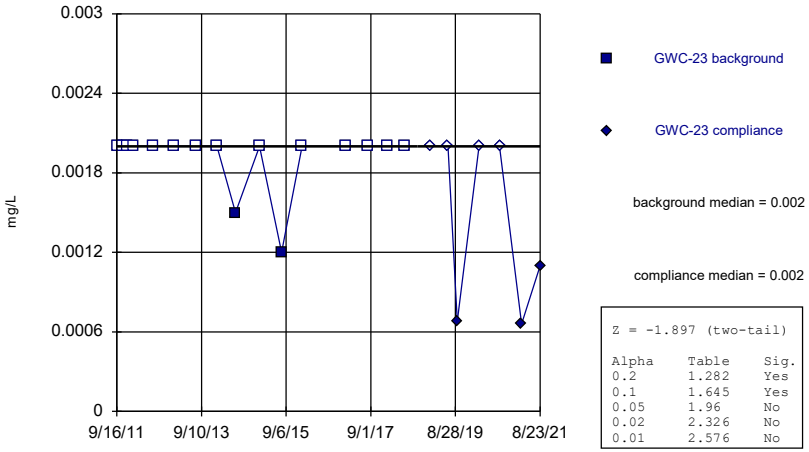
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-23



Z = -1.897 (two-tail)

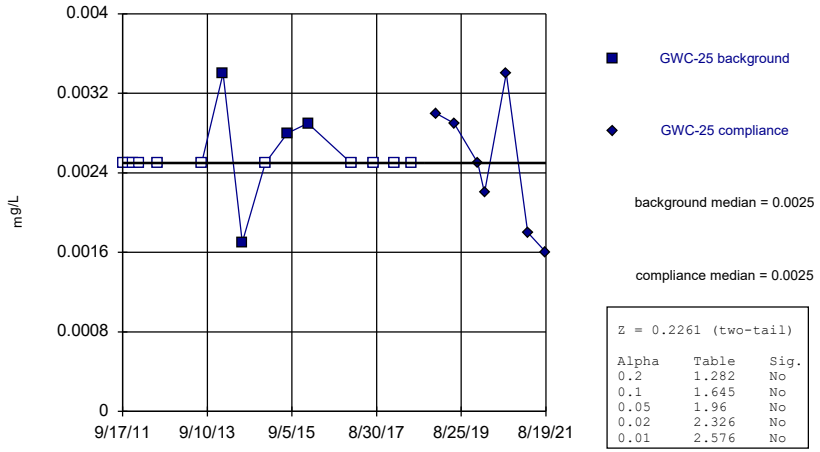
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-25



Z = 0.2261 (two-tail)

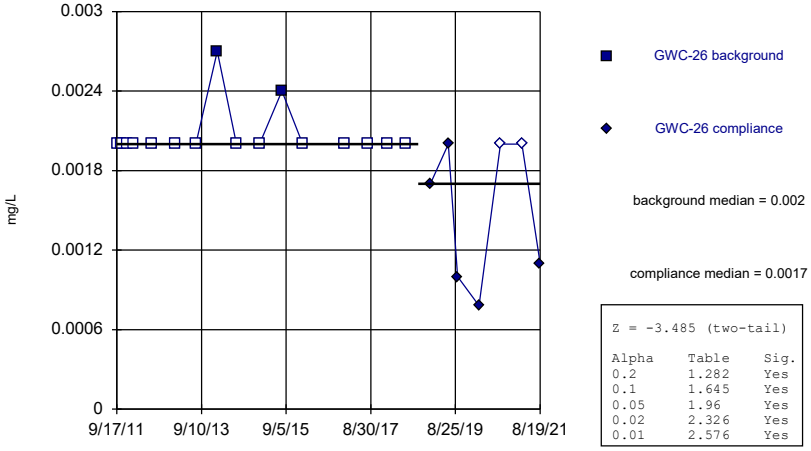
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-26



Z = -3.485 (two-tail)

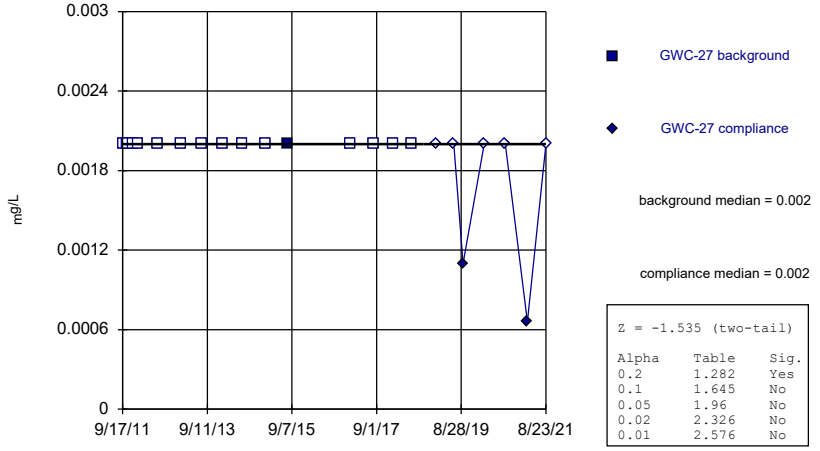
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Copper Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-27



Z = -1.535 (two-tail)

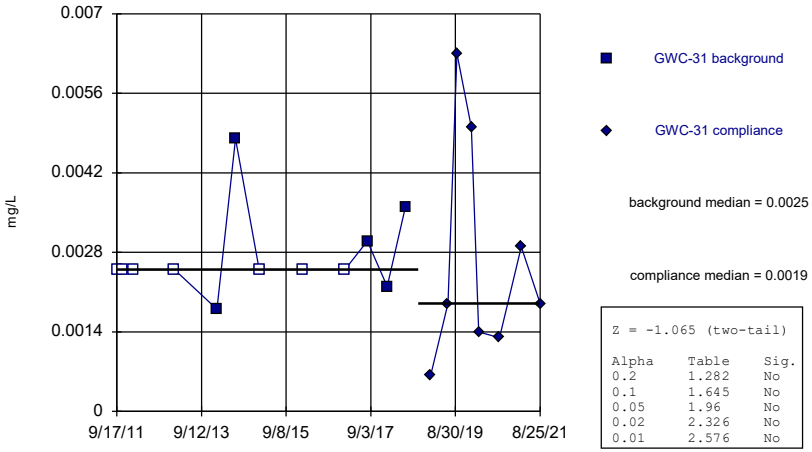
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-31



Z = -1.065 (two-tail)

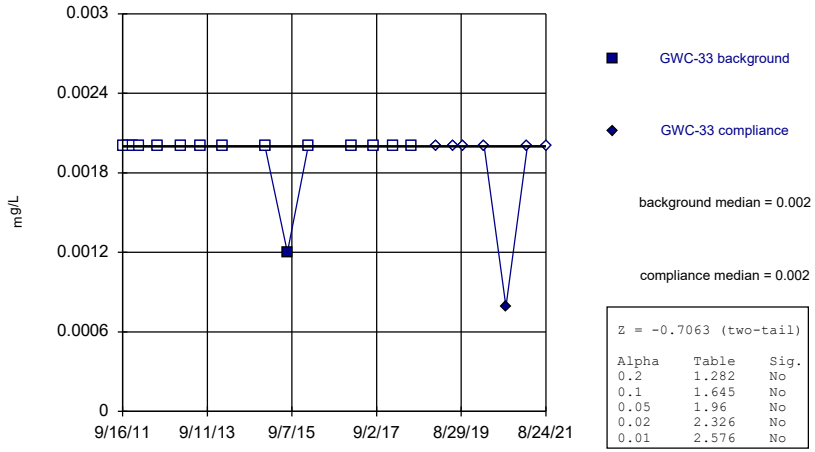
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-33



Z = -0.7063 (two-tail)

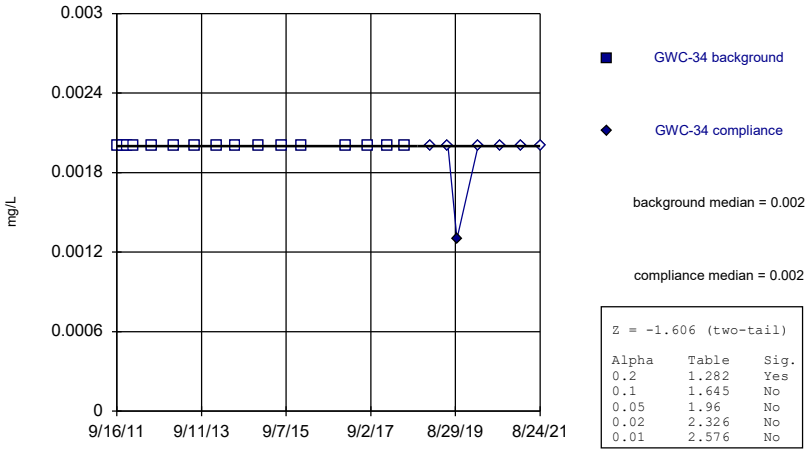
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-34



Z = -1.606 (two-tail)

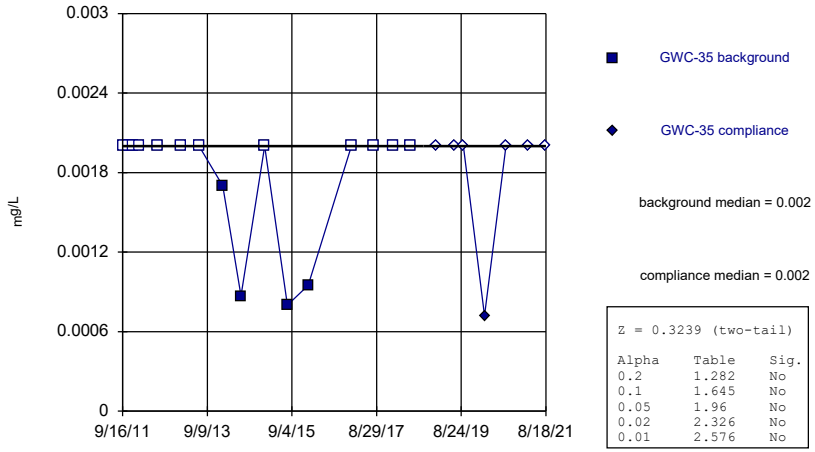
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-35



Z = 0.3239 (two-tail)

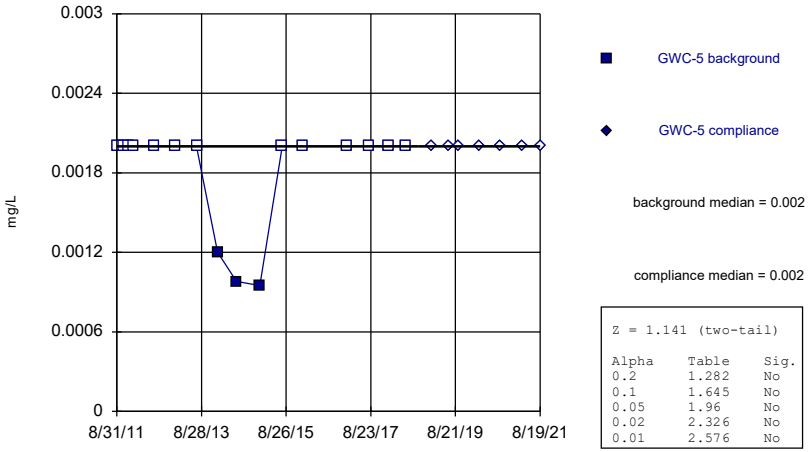
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-5



background median = 0.002

compliance median = 0.002

Z = 1.141 (two-tail)

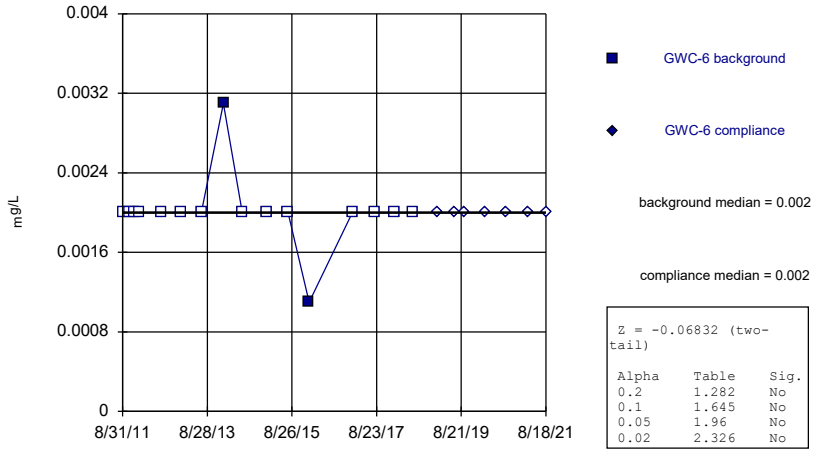
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-6



background median = 0.002

compliance median = 0.002

Z = -0.06832 (two-tail)

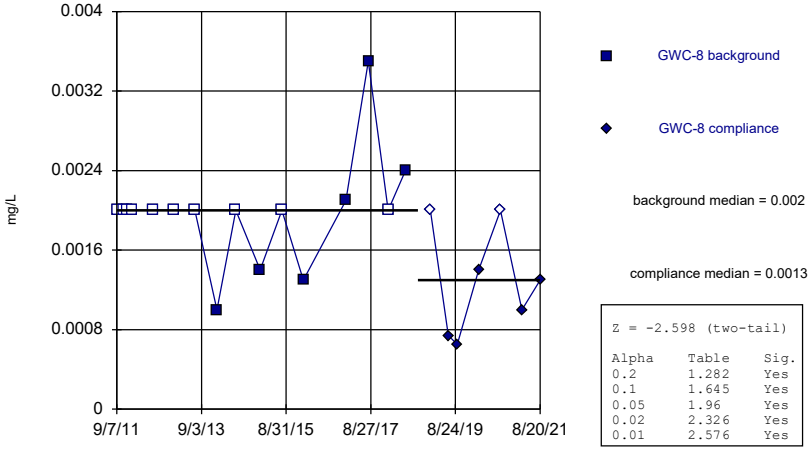
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No

Constituent: Copper Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-8



background median = 0.002

compliance median = 0.0013

Z = -2.598 (two-tail)

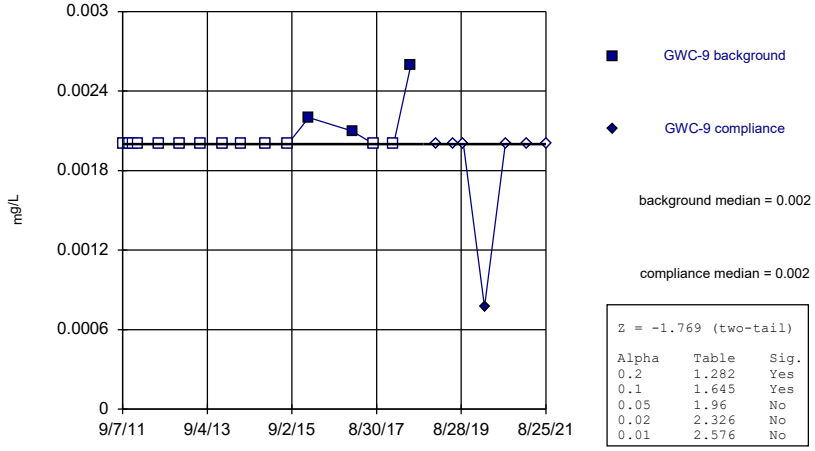
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Copper Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-9



background median = 0.002

compliance median = 0.002

Z = -1.769 (two-tail)

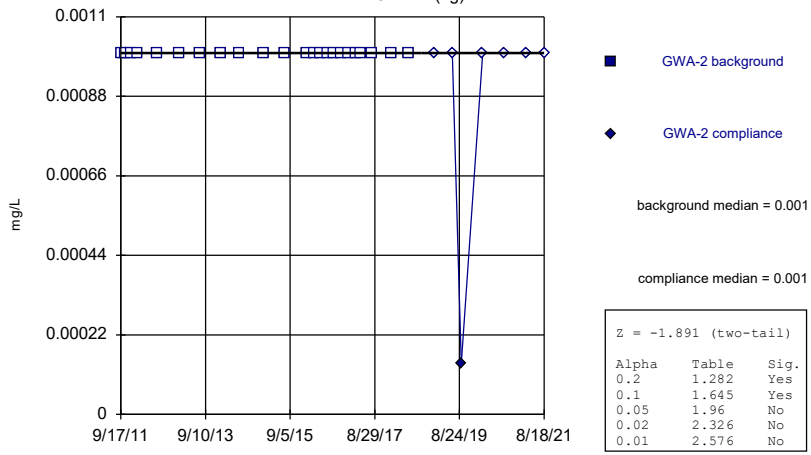
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Copper Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-2 (bg)



Z = -1.891 (two-tail)

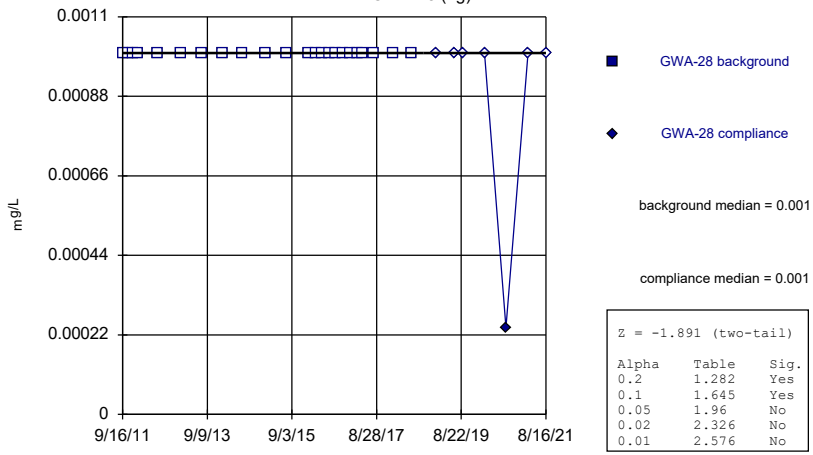
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Lead Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-28 (bg)



Z = -1.891 (two-tail)

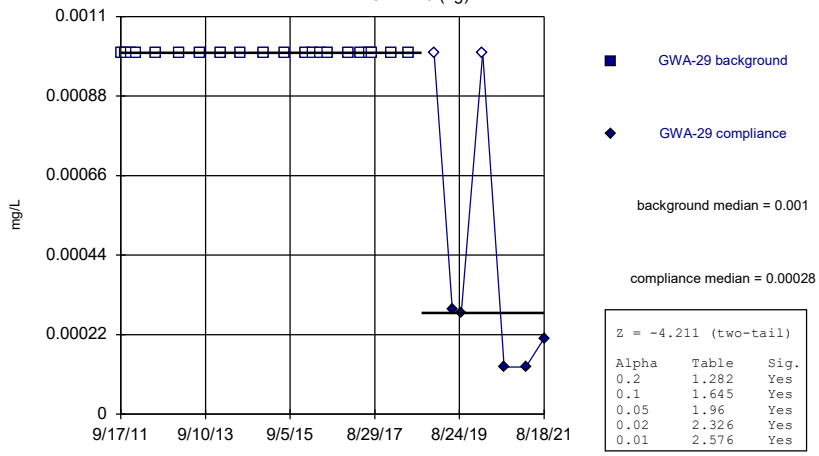
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Lead Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-29 (bg)



Z = -4.211 (two-tail)

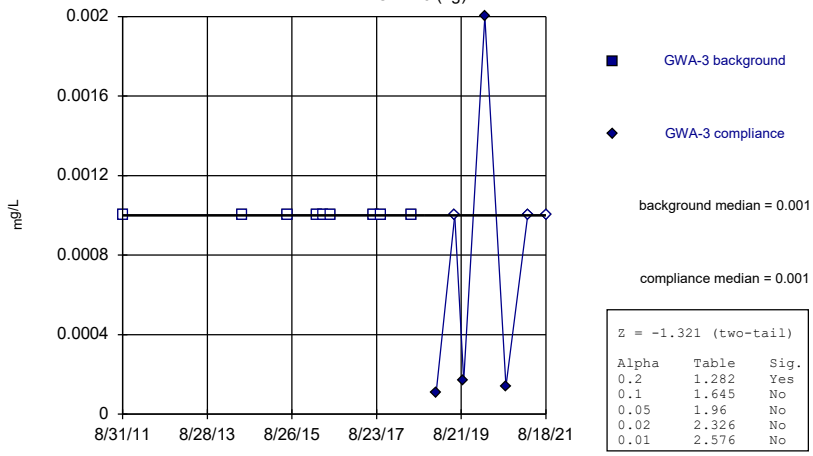
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Lead Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-3 (bg)



Z = -1.321 (two-tail)

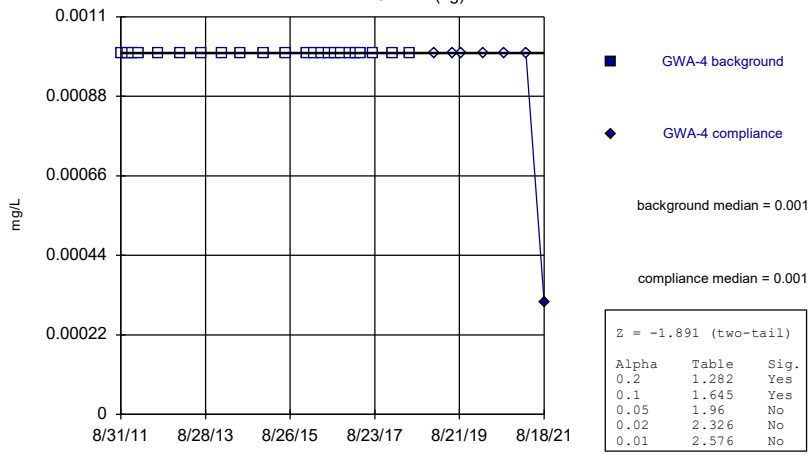
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Lead Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-4 (bg)



Z = -1.891 (two-tail)

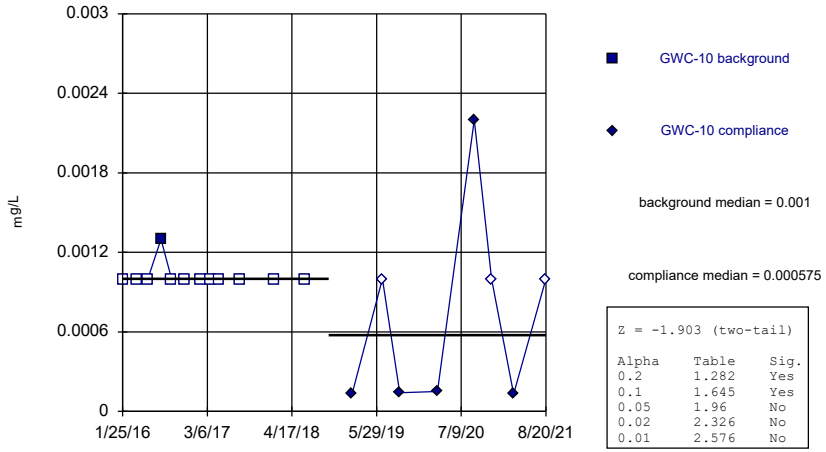
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Lead Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-10



Z = -1.903 (two-tail)

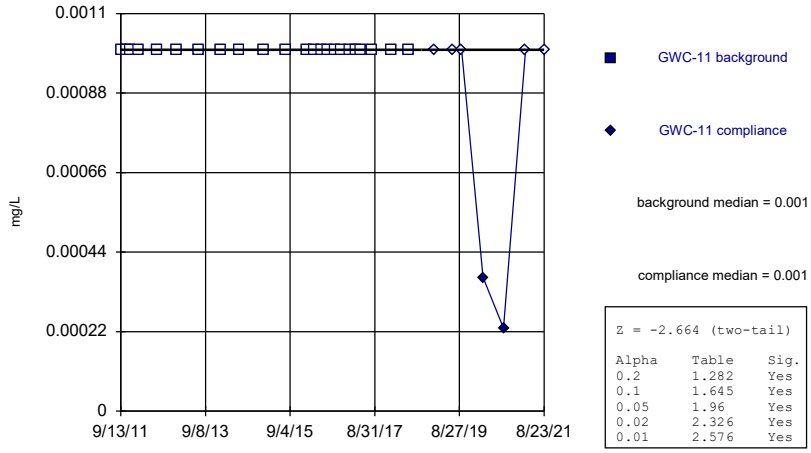
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Lead Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-11



Z = -2.664 (two-tail)

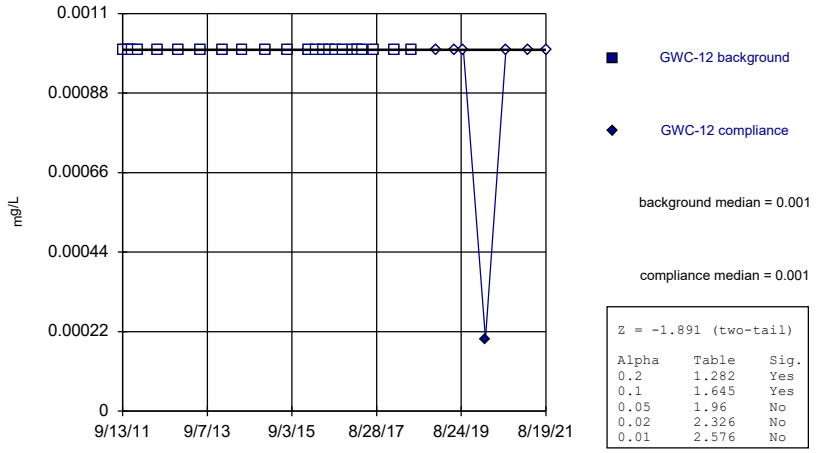
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Lead Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-12



Z = -1.891 (two-tail)

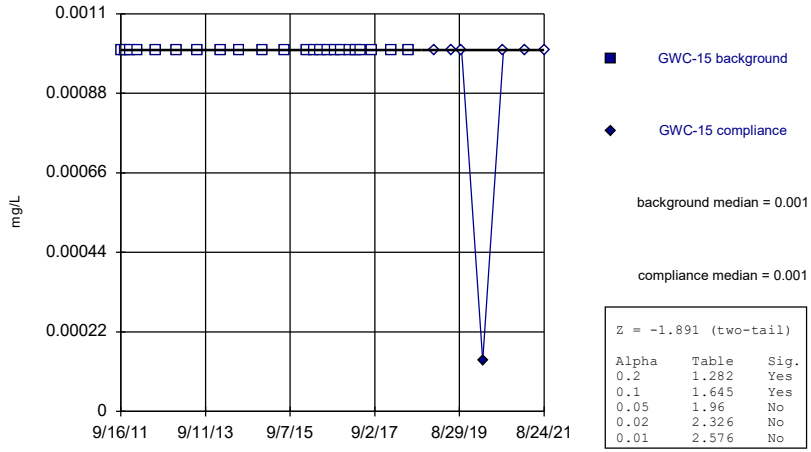
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Lead Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-15



Z = -1.891 (two-tail)

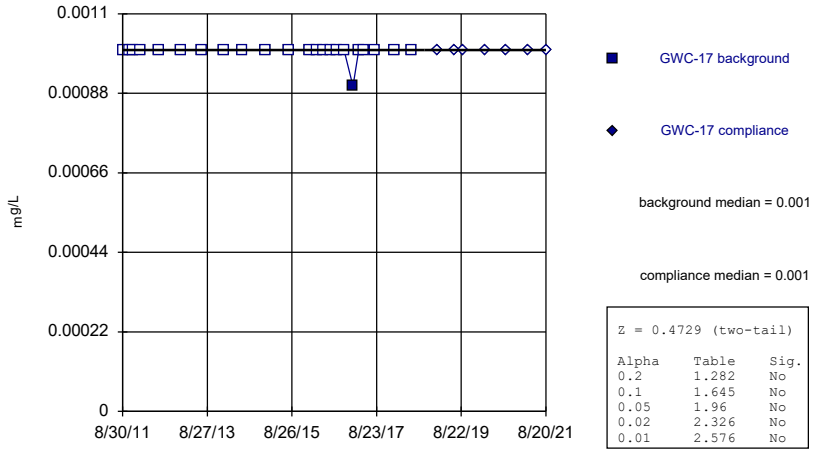
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Lead Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-17



Z = 0.4729 (two-tail)

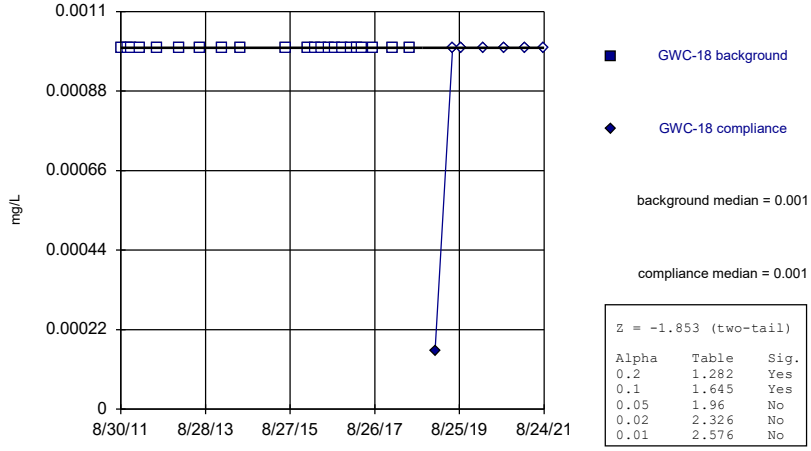
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Lead Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-18



Z = -1.853 (two-tail)

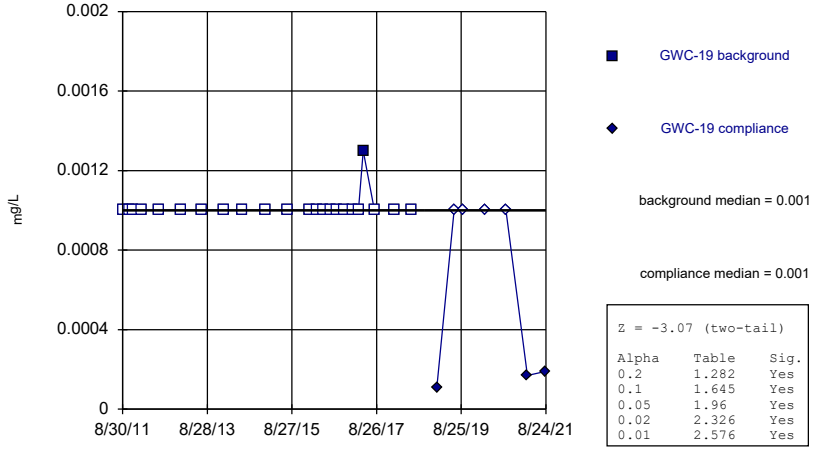
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Lead Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-19



Z = -3.07 (two-tail)

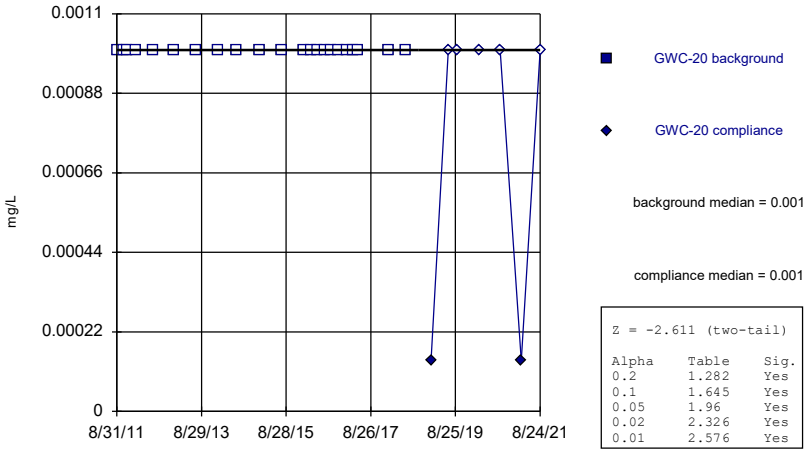
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Lead Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-20



Z = -2.611 (two-tail)

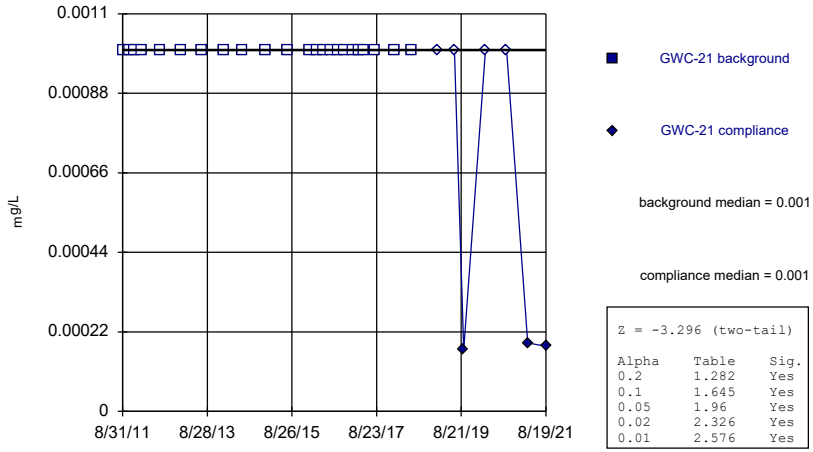
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Lead Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-21



Z = -3.296 (two-tail)

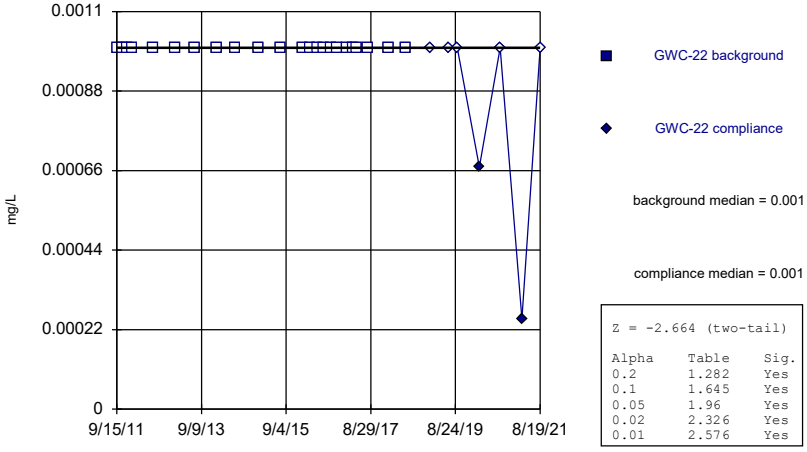
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Lead Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-22



Z = -2.664 (two-tail)

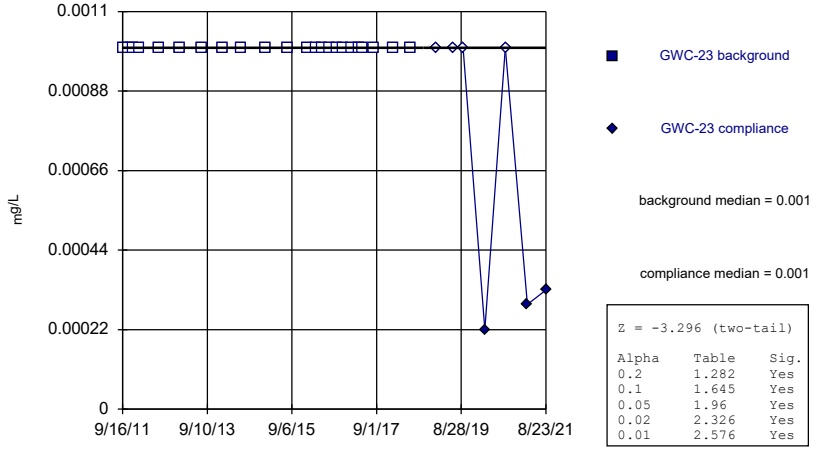
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Lead Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-23



Z = -3.296 (two-tail)

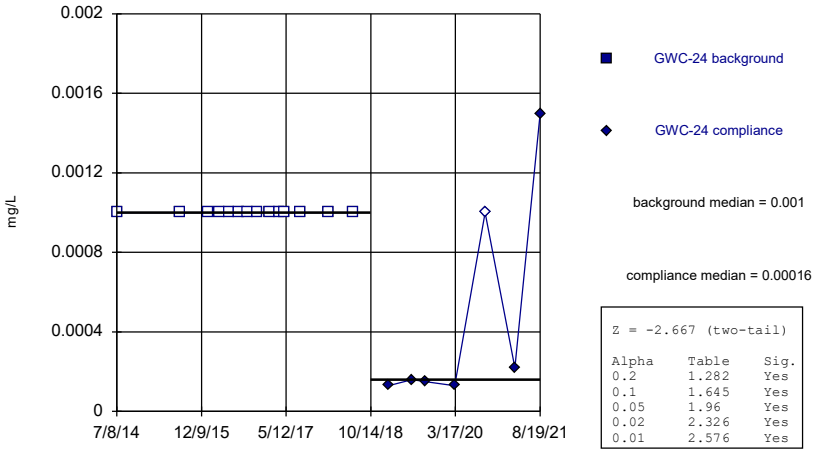
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Lead Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-24



Z = -2.667 (two-tail)

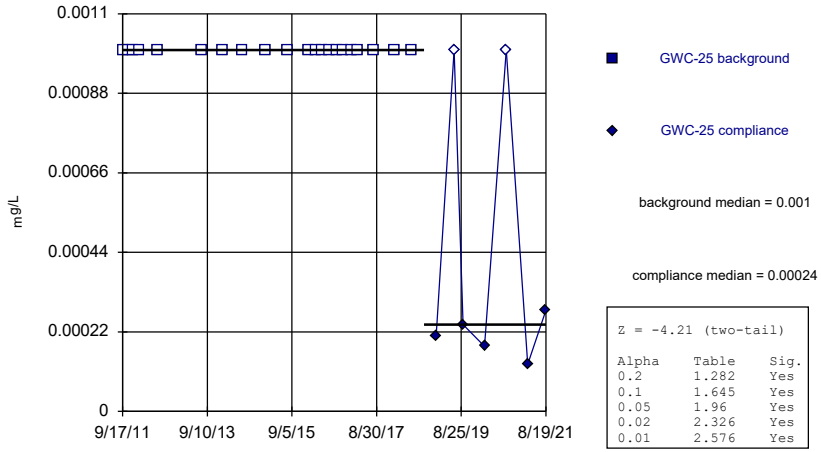
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Lead Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-25



Z = -4.21 (two-tail)

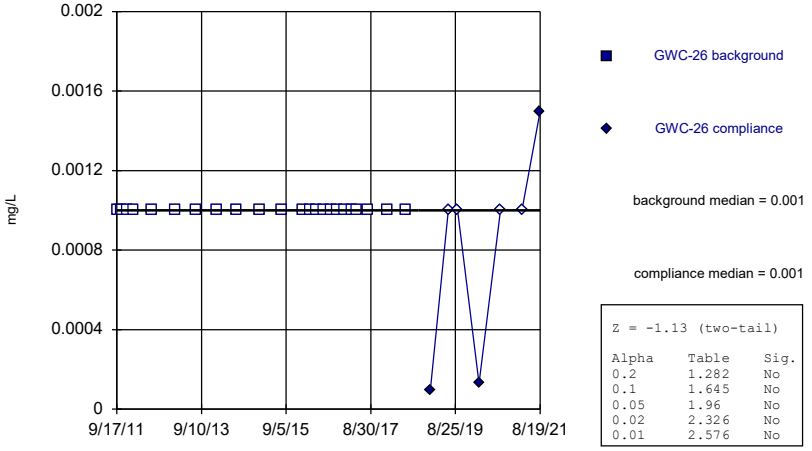
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Lead Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-26



Z = -1.13 (two-tail)

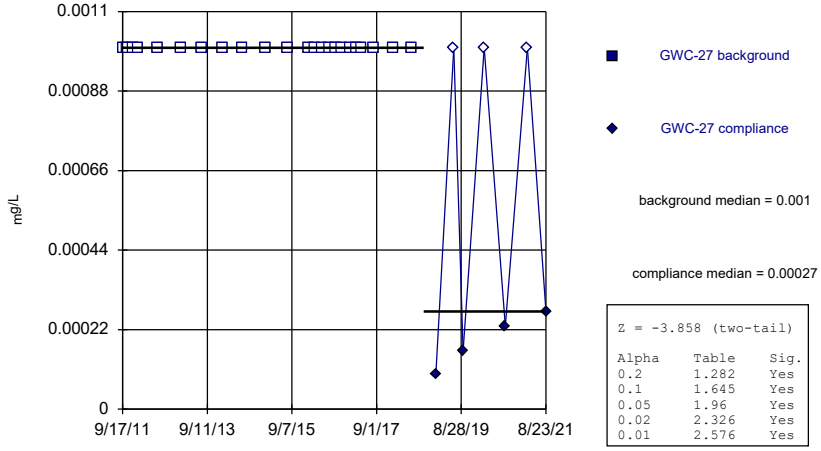
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Lead Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-27



Z = -3.858 (two-tail)

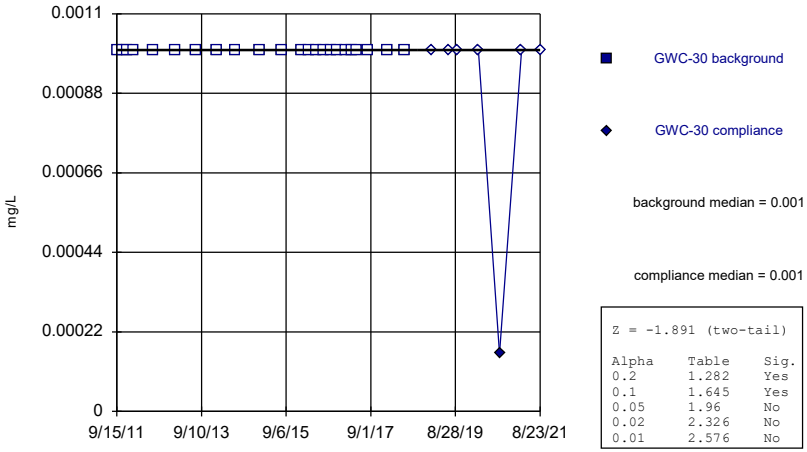
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Lead Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-30



Z = -1.891 (two-tail)

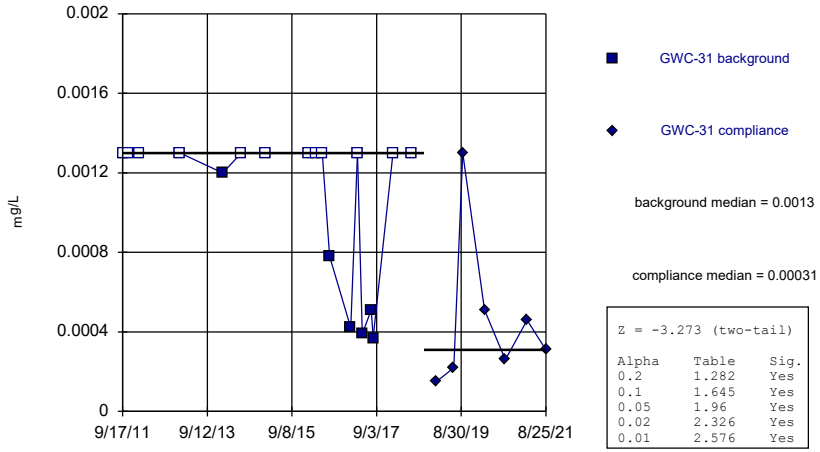
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Lead Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-31



Z = -3.273 (two-tail)

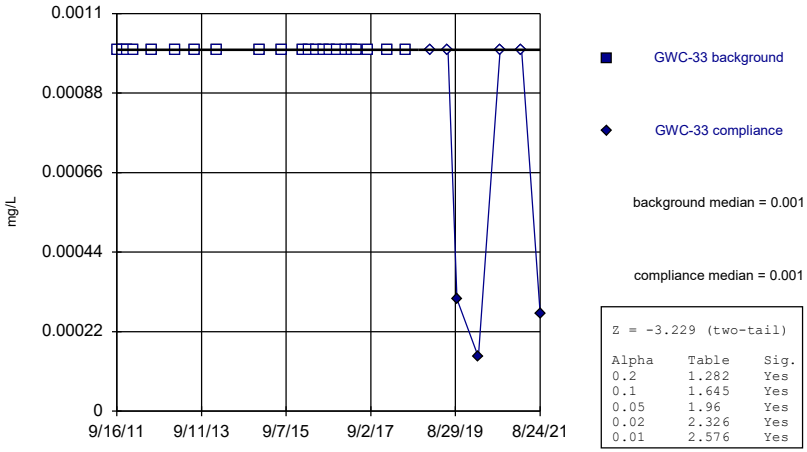
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Lead Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-33



Z = -3.229 (two-tail)

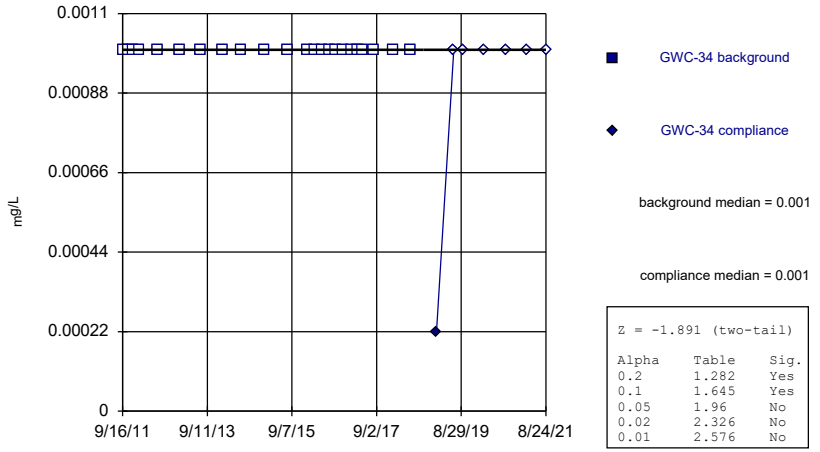
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Lead Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-34



Z = -1.891 (two-tail)

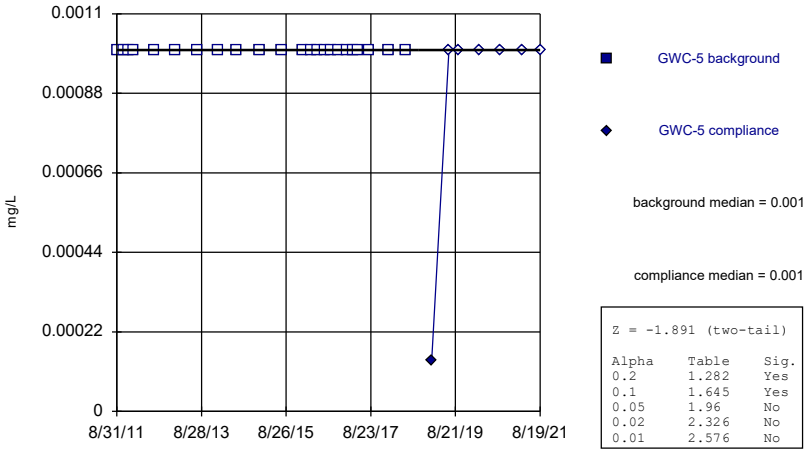
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Lead Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-5



Z = -1.891 (two-tail)

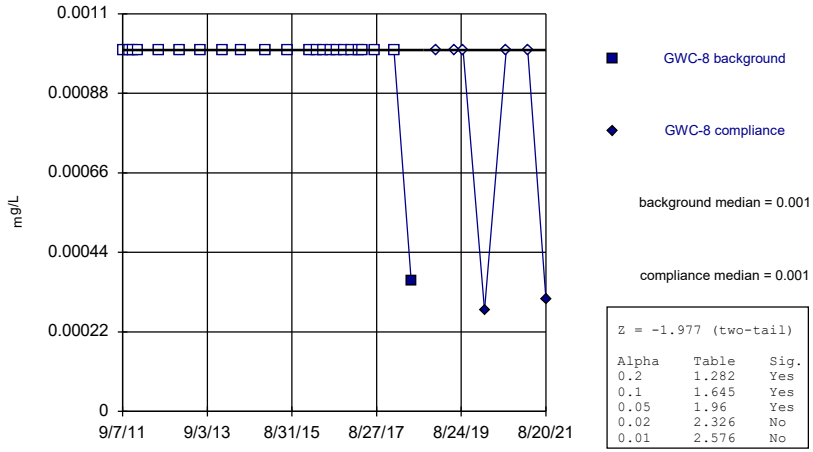
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Lead Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-8



Z = -1.977 (two-tail)

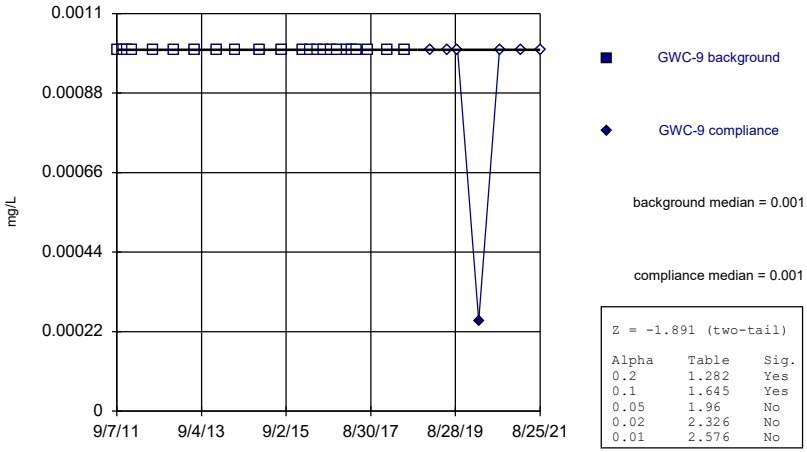
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Lead Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-9



Z = -1.891 (two-tail)

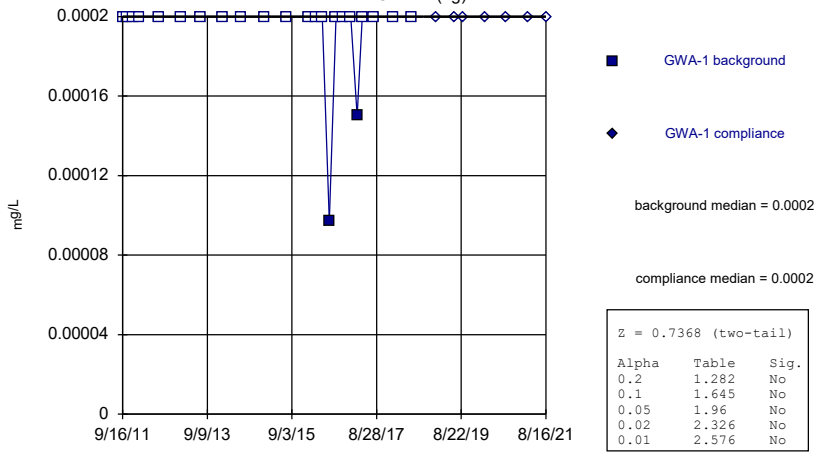
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Lead Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-1 (bg)



Z = 0.7368 (two-tail)

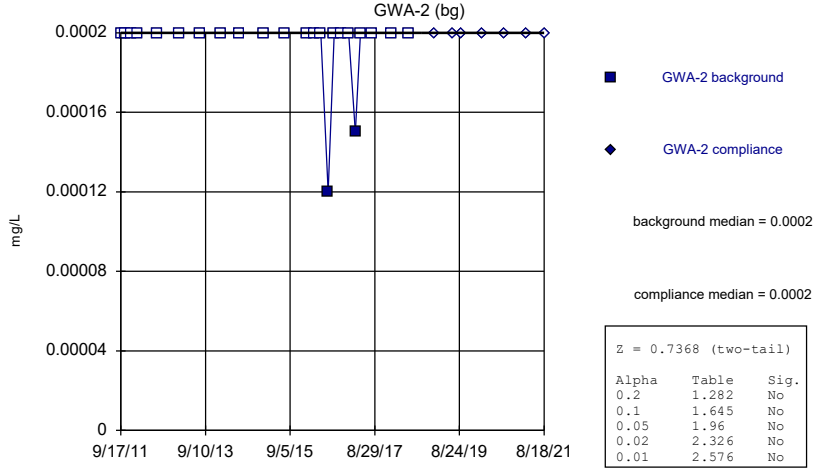
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Mercury Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-2 (bg)



Z = 0.7368 (two-tail)

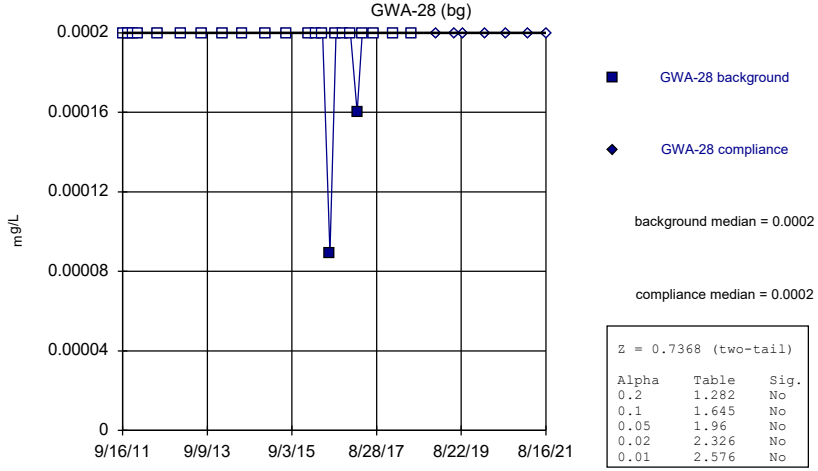
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Mercury Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-28 (bg)



Z = 0.7368 (two-tail)

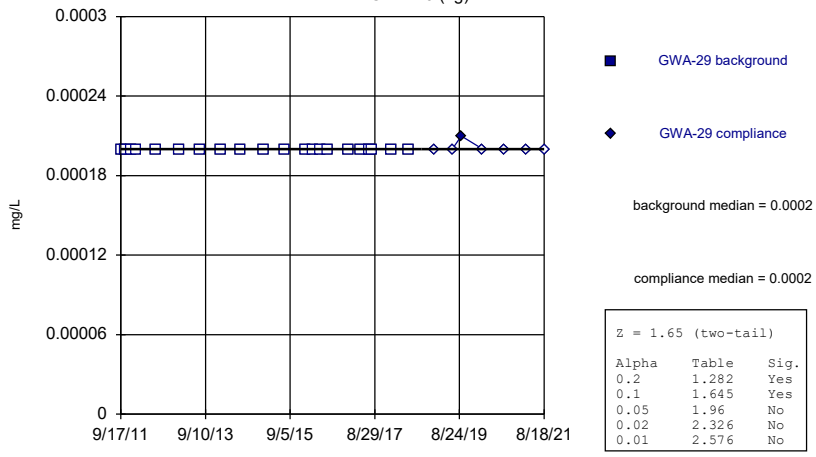
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Mercury Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-29 (bg)



Z = 1.65 (two-tail)

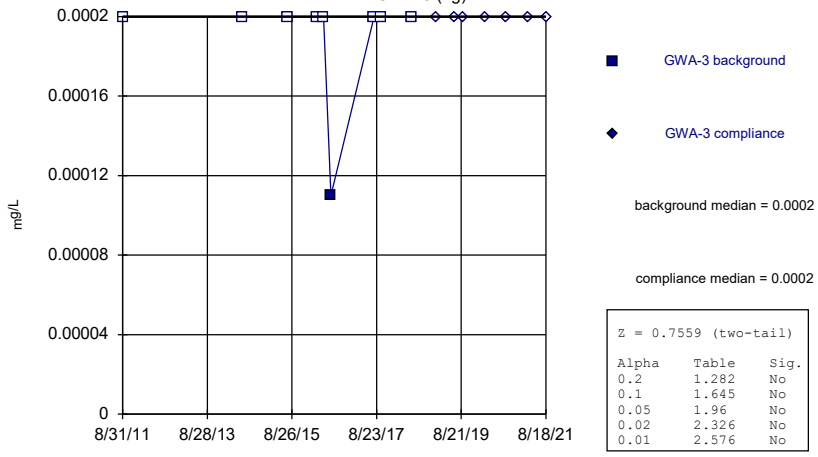
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Mercury Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-3 (bg)



Z = 0.7559 (two-tail)

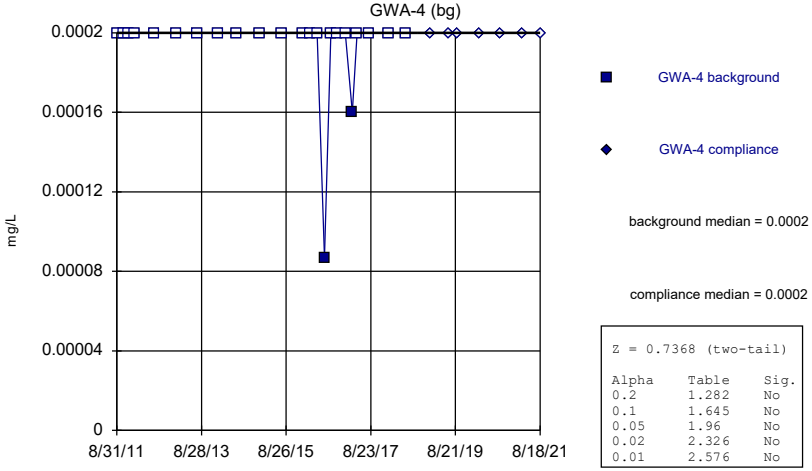
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Mercury Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-4 (bg)



Z = 0.7368 (two-tail)

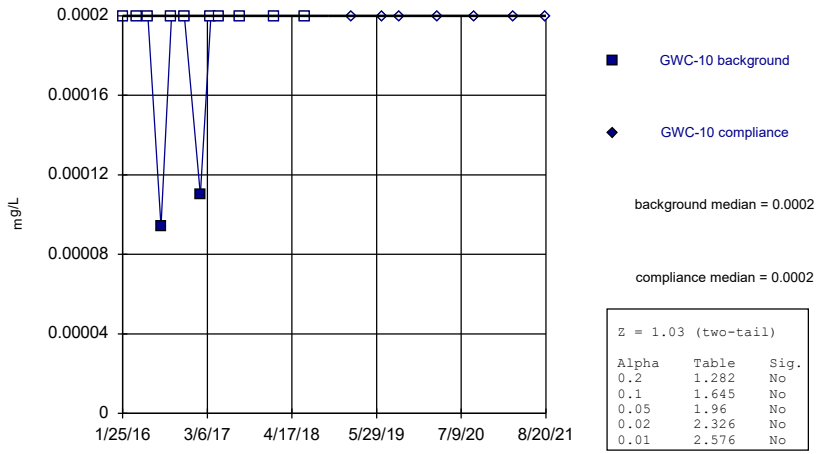
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Mercury Analysis Run 5/14/2022 11:20 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-10



Z = 1.03 (two-tail)

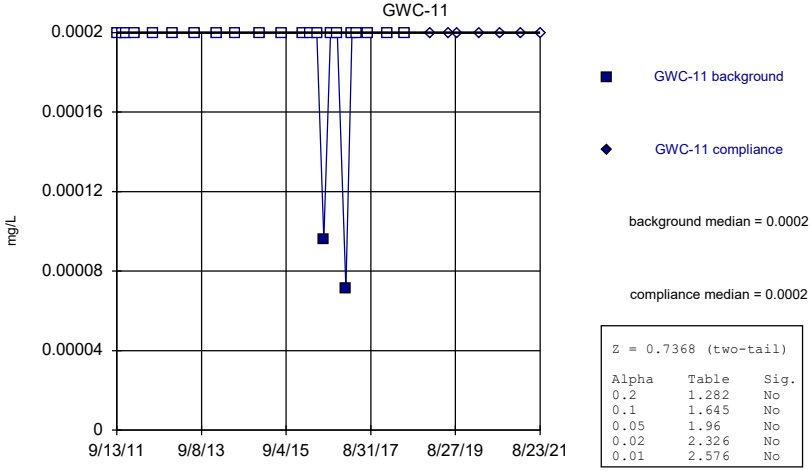
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Mercury Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-11



Z = 0.7368 (two-tail)

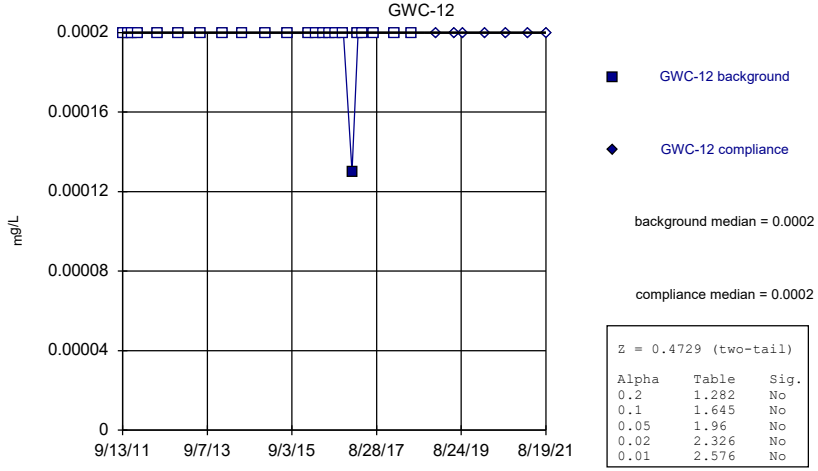
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Mercury Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-12



Z = 0.4729 (two-tail)

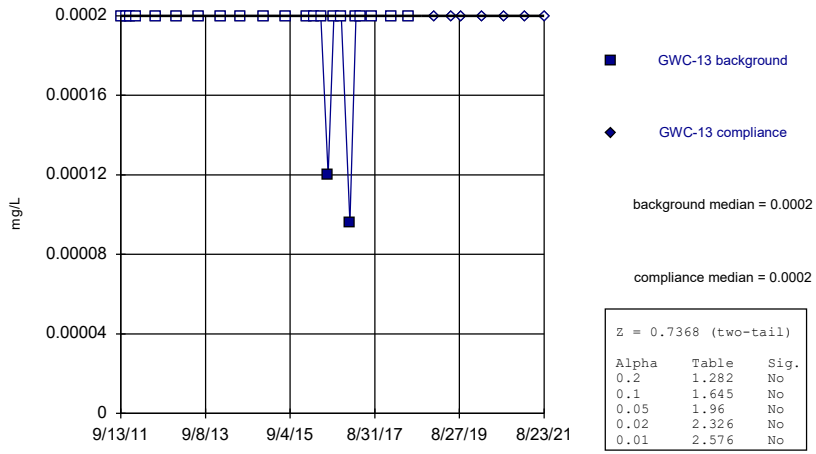
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Mercury Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-13



Z = 0.7368 (two-tail)

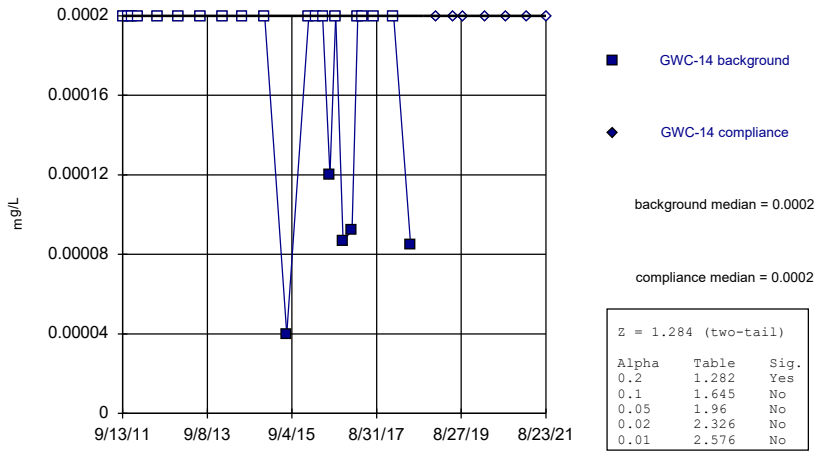
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Mercury Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-14



Z = 1.284 (two-tail)

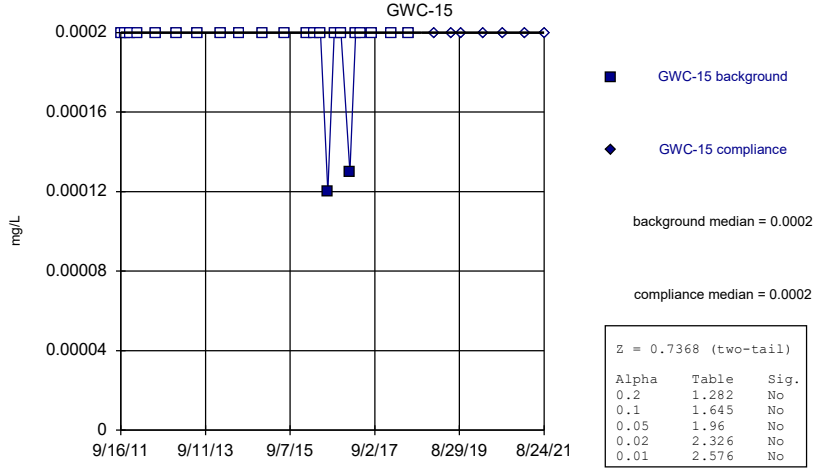
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Mercury Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-15



Z = 0.7368 (two-tail)

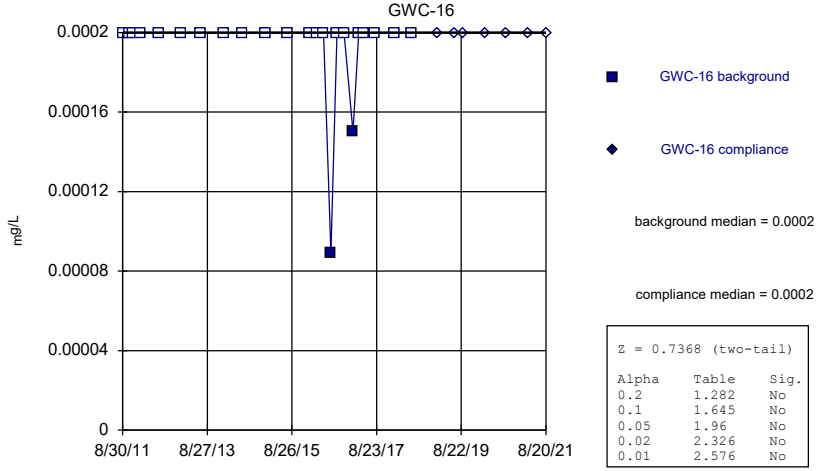
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Mercury Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-16



Z = 0.7368 (two-tail)

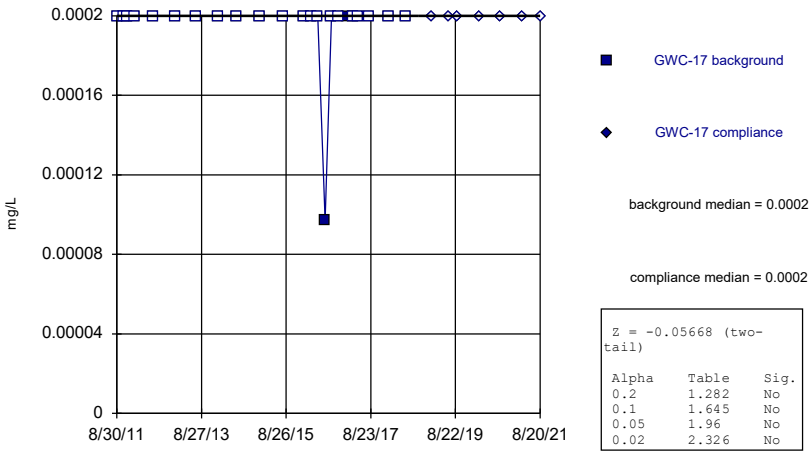
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Mercury Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-17



Z = -0.05668 (two-tail)

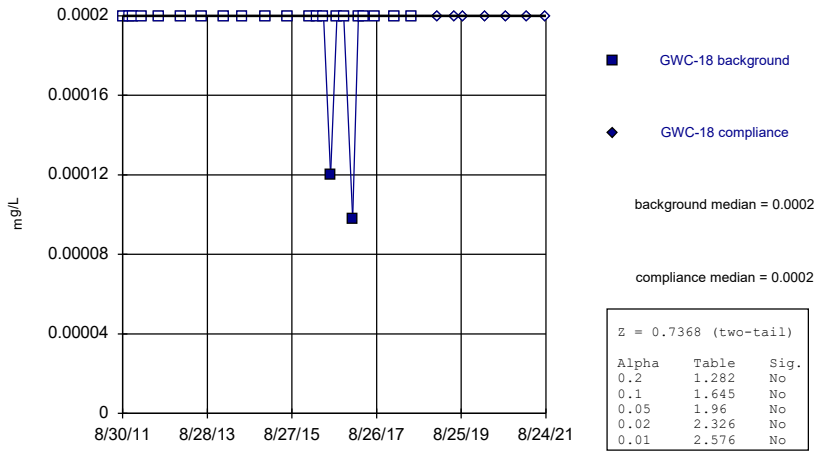
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No

Constituent: Mercury Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-18



Z = 0.7368 (two-tail)

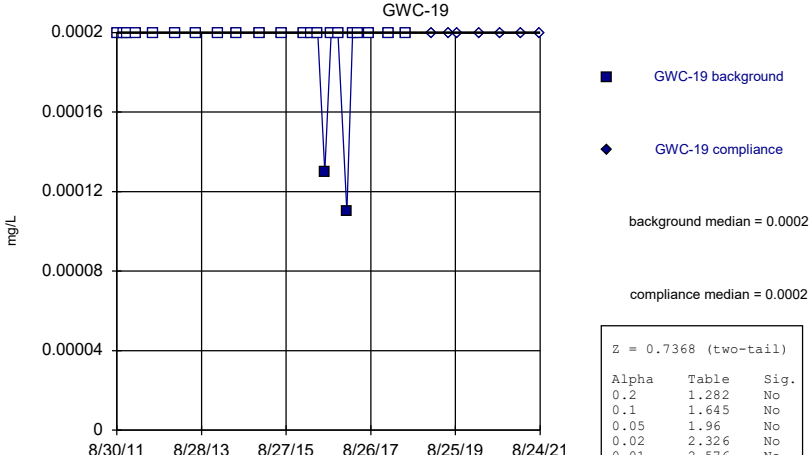
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Mercury Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-19



Z = 0.7368 (two-tail)

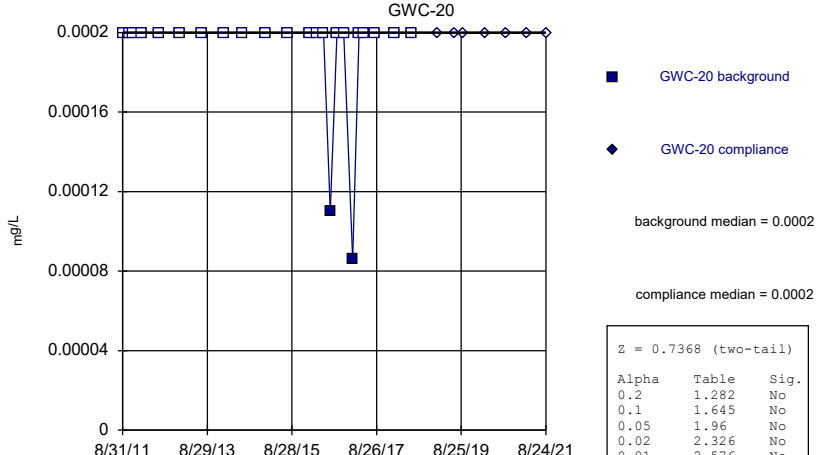
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Mercury Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-20



Z = 0.7368 (two-tail)

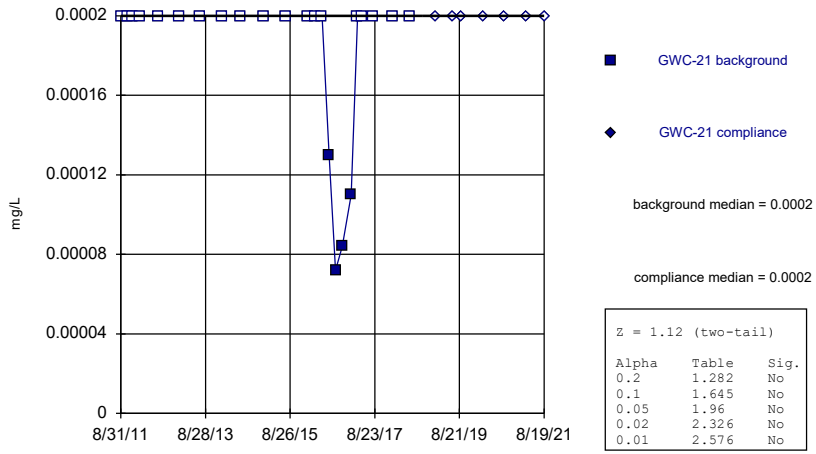
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Mercury Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-21



Z = 1.12 (two-tail)

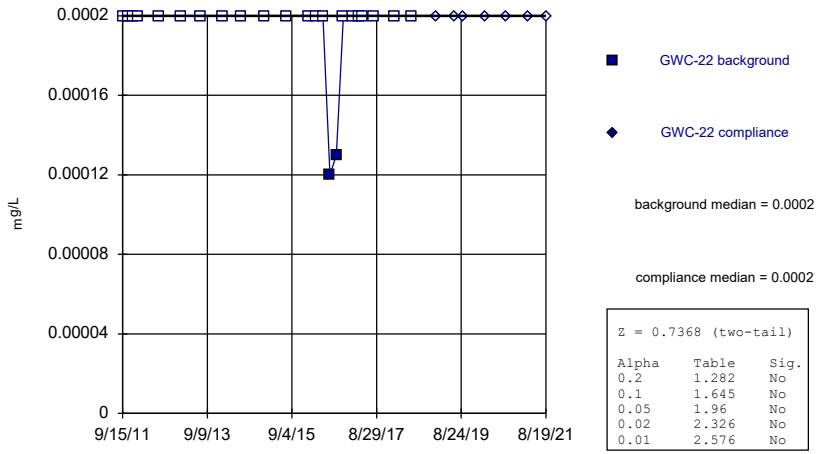
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Mercury Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-22



Z = 0.7368 (two-tail)

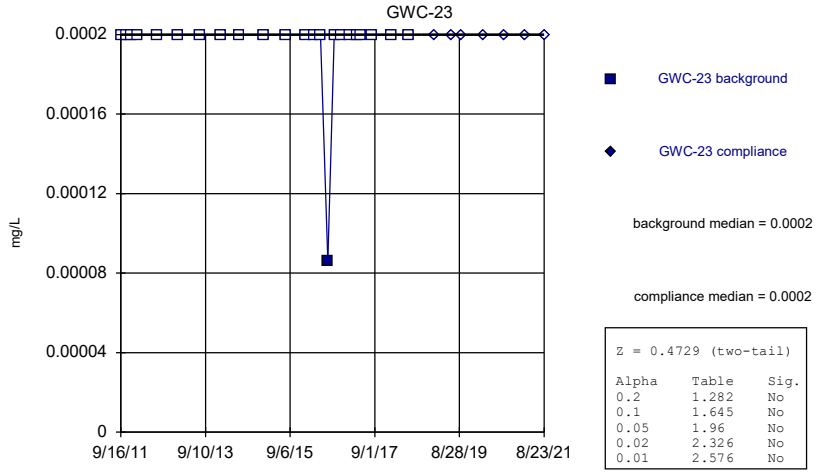
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Mercury Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-23



Z = 0.4729 (two-tail)

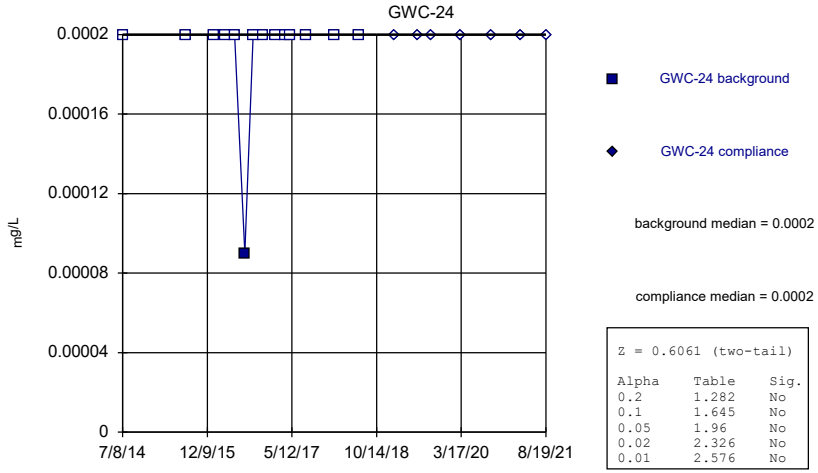
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Mercury Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-24



Z = 0.6061 (two-tail)

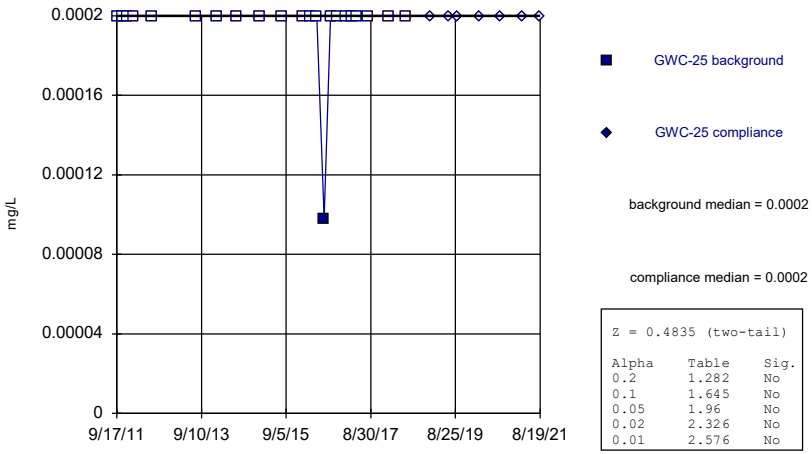
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Mercury Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-25



Z = 0.4835 (two-tail)

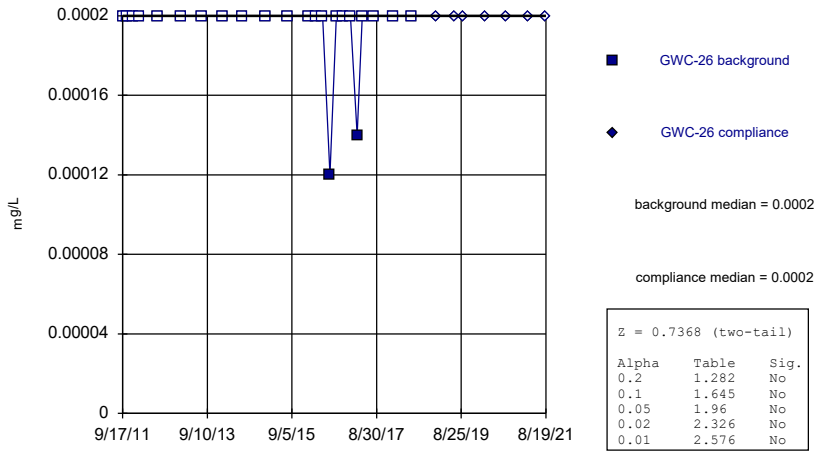
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Mercury Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-26



Z = 0.7368 (two-tail)

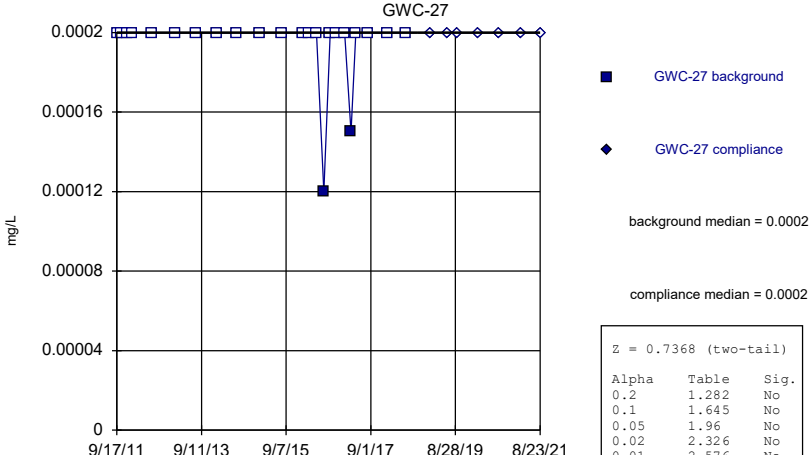
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Mercury Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-27



Z = 0.7368 (two-tail)

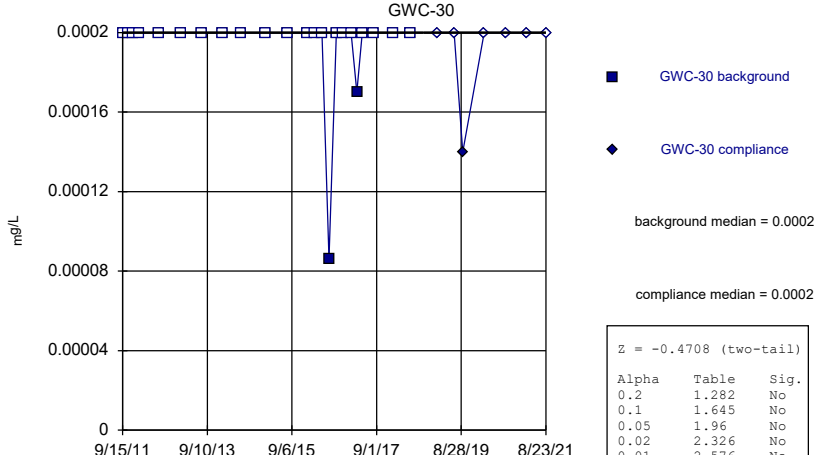
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Mercury Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-30



Z = -0.4708 (two-tail)

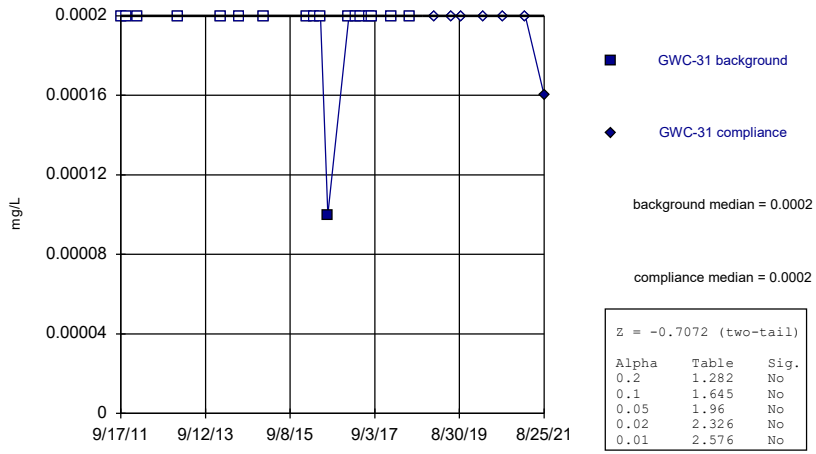
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Mercury Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-31



Z = -0.7072 (two-tail)

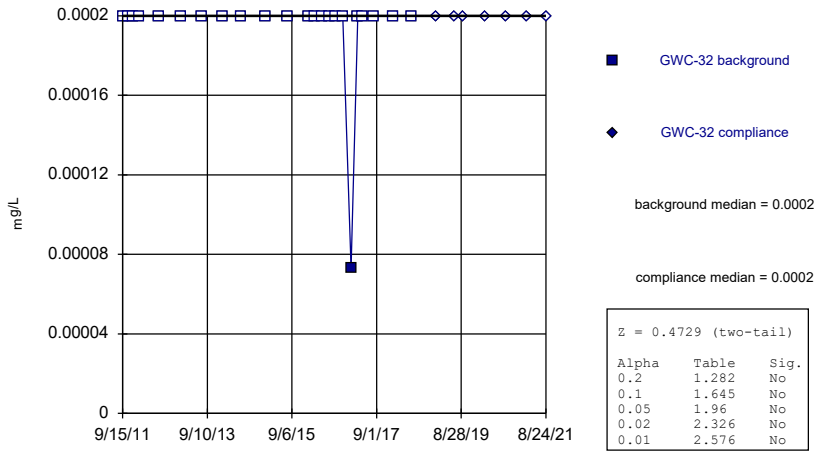
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Mercury Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-32



Z = 0.4729 (two-tail)

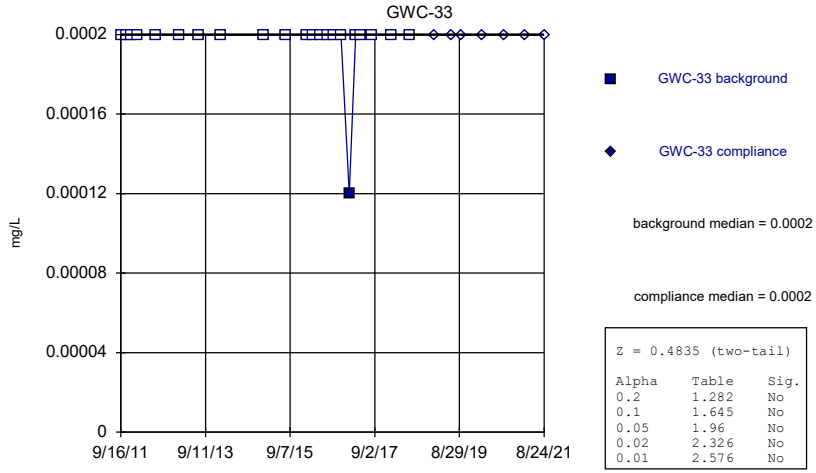
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Mercury Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-33



Z = 0.4835 (two-tail)

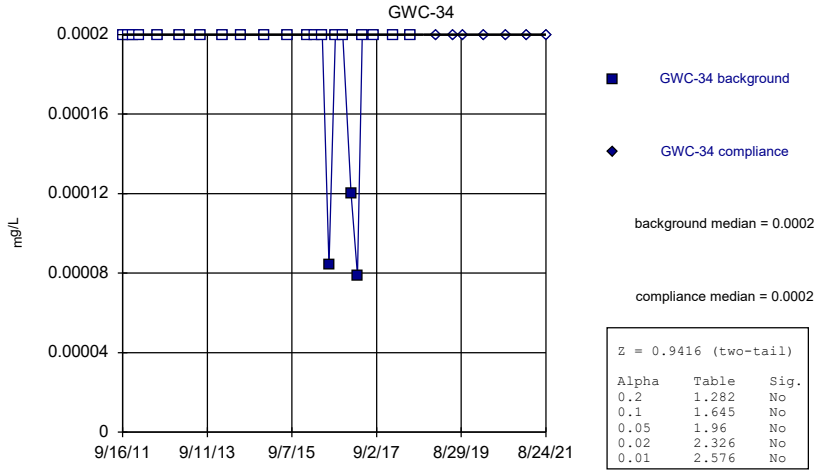
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Mercury Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-34



Z = 0.9416 (two-tail)

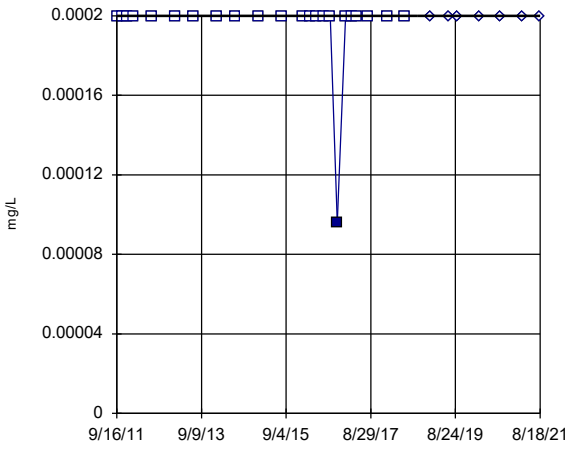
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Mercury Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-35



GWC-35 background

GWC-35 compliance

background median = 0.0002

compliance median = 0.0002

Z = 0.4729 (two-tail)

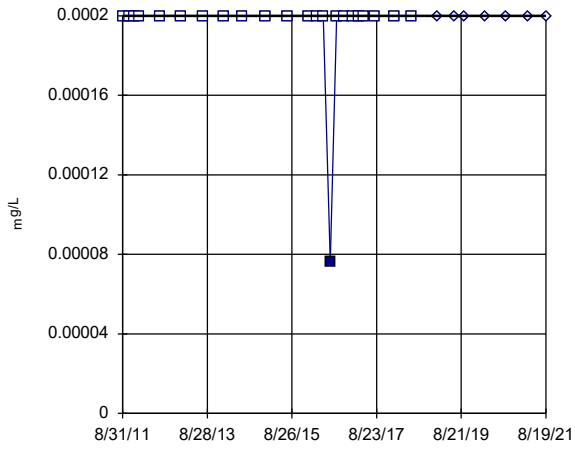
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Mercury Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-5



GWC-5 background

GWC-5 compliance

background median = 0.0002

compliance median = 0.0002

Z = 0.4729 (two-tail)

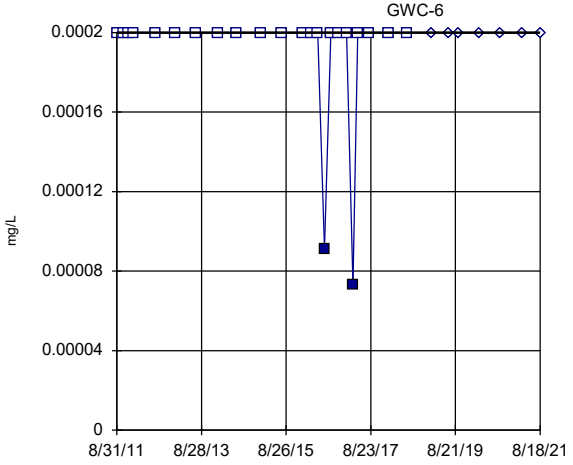
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Mercury Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-6



GWC-6 background

GWC-6 compliance

background median = 0.0002

compliance median = 0.0002

Z = 0.7368 (two-tail)

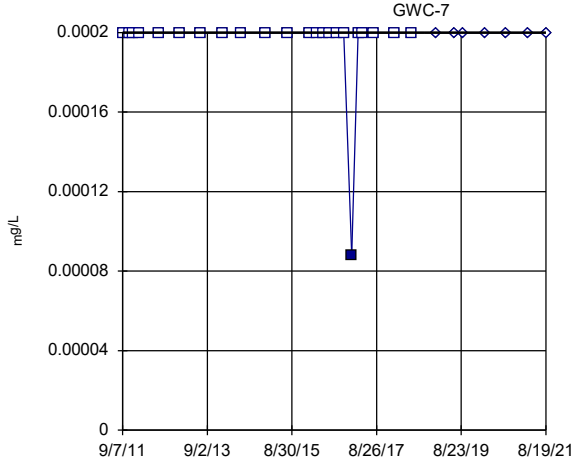
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Mercury Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-7



GWC-7 background

GWC-7 compliance

background median = 0.0002

compliance median = 0.0002

Z = 0.4729 (two-tail)

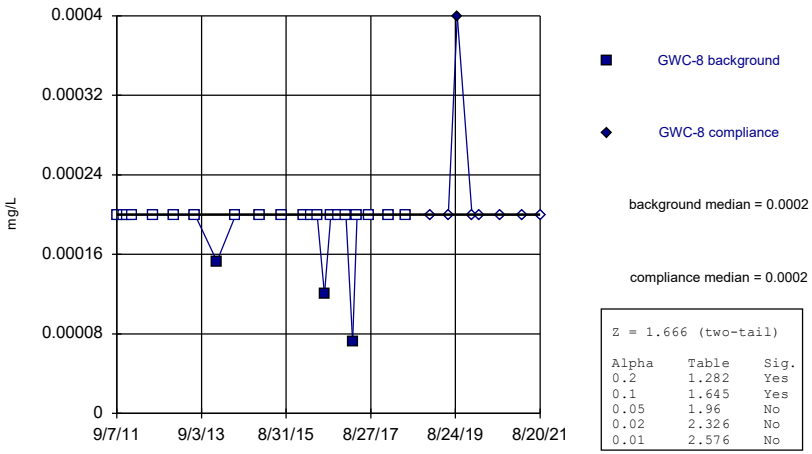
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Mercury Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-8



Z = 1.666 (two-tail)

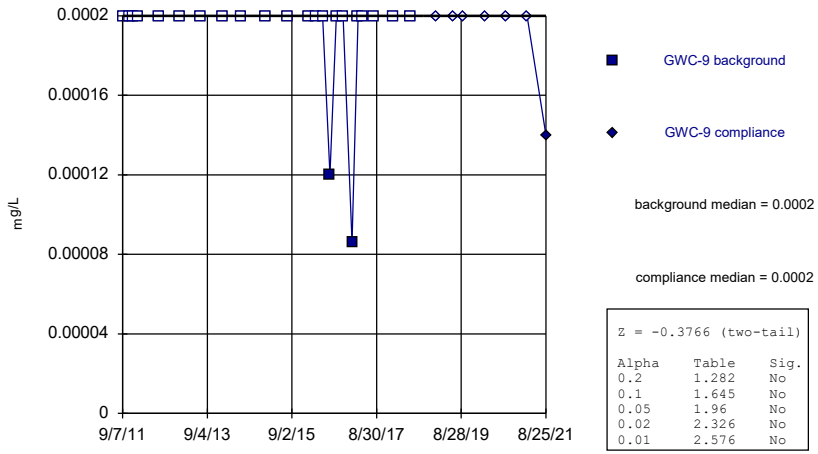
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Mercury Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-9



Z = -0.3766 (two-tail)

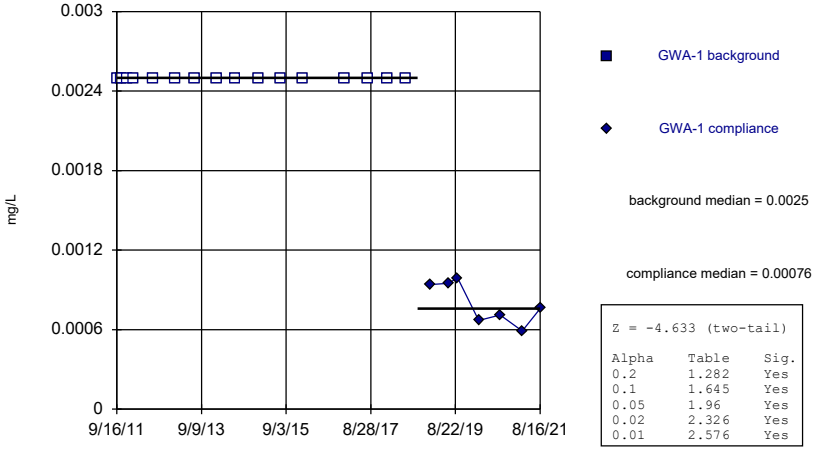
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Mercury Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-1 (bg)



Z = -4.633 (two-tail)

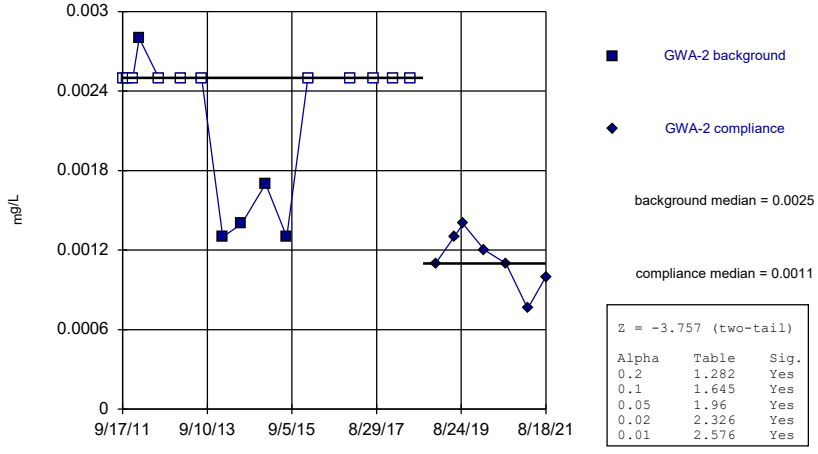
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Nickel Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-2 (bg)



Z = -3.757 (two-tail)

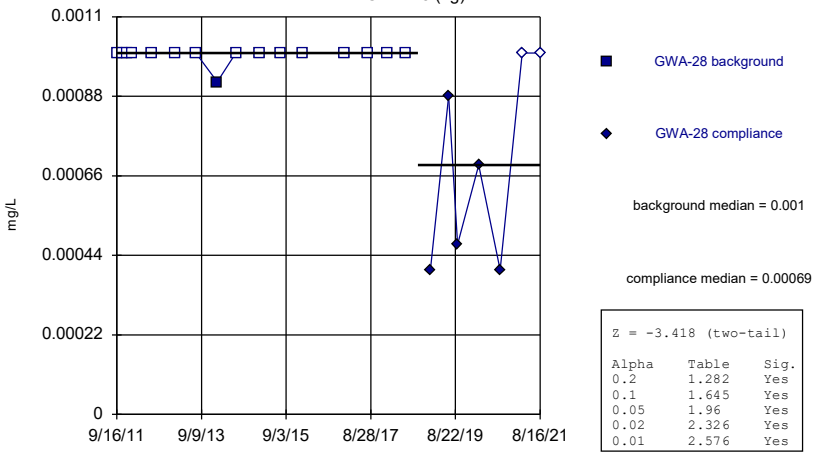
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Nickel Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-28 (bg)



Z = -3.418 (two-tail)

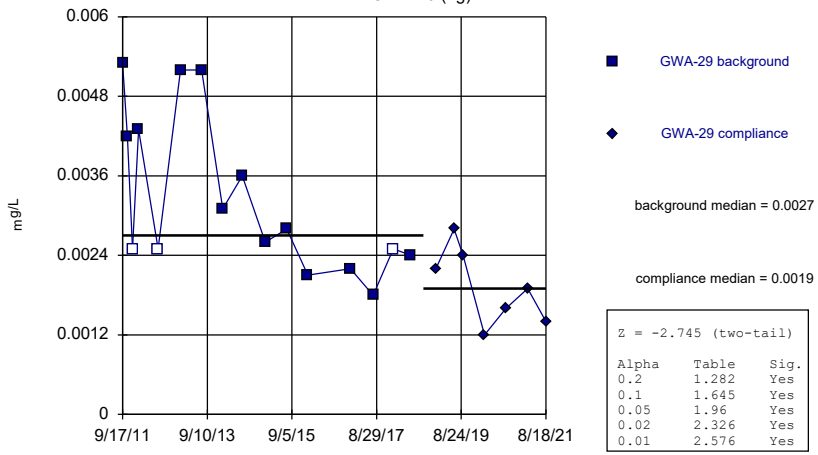
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Nickel Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-29 (bg)



Z = -2.745 (two-tail)

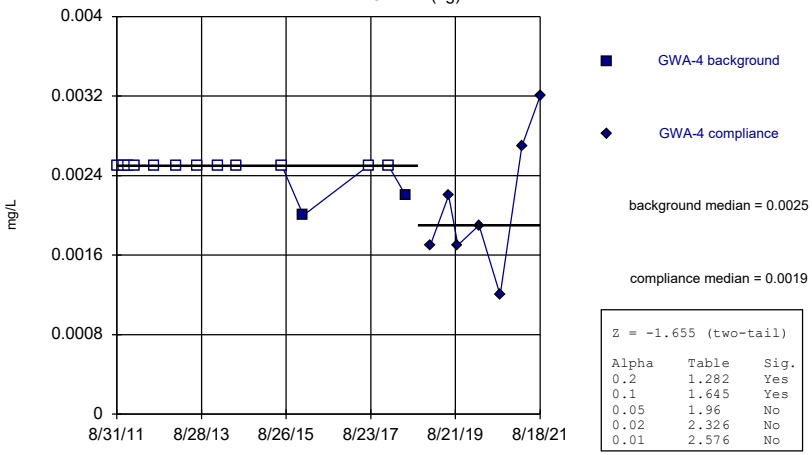
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Nickel Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-4 (bg)



Z = -1.655 (two-tail)

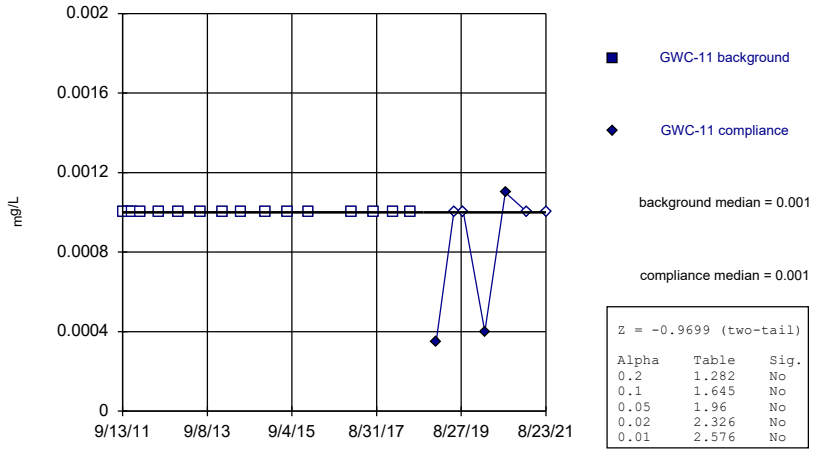
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Nickel Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-11



Z = -0.9699 (two-tail)

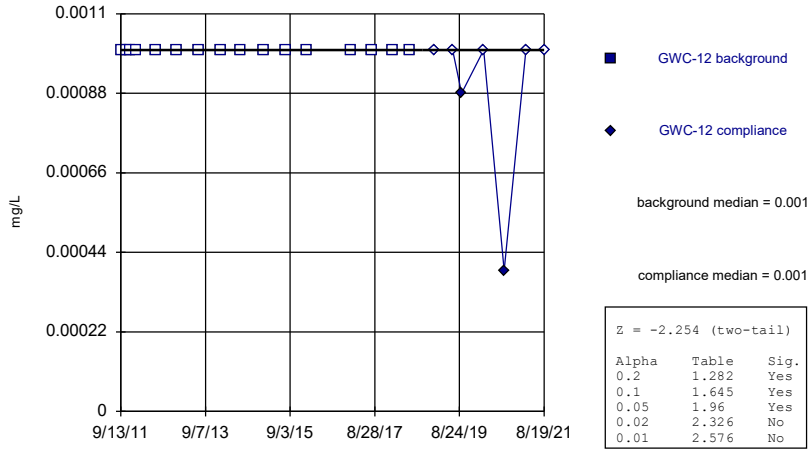
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Nickel Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-12



Z = -2.254 (two-tail)

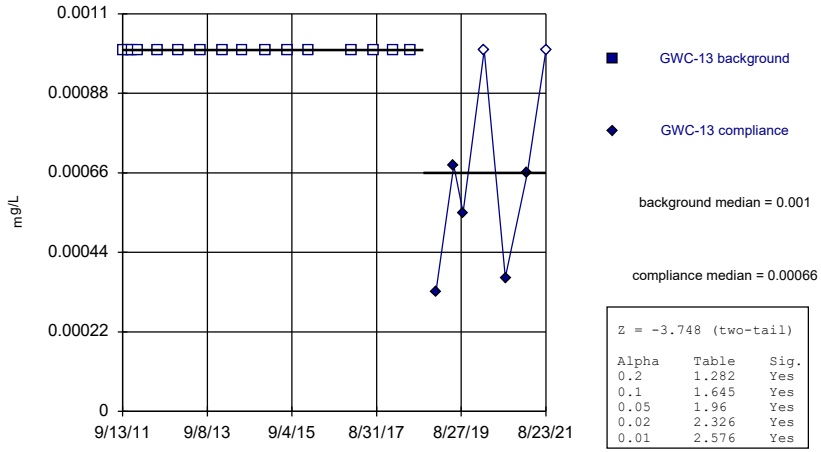
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Nickel Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-13



Z = -3.748 (two-tail)

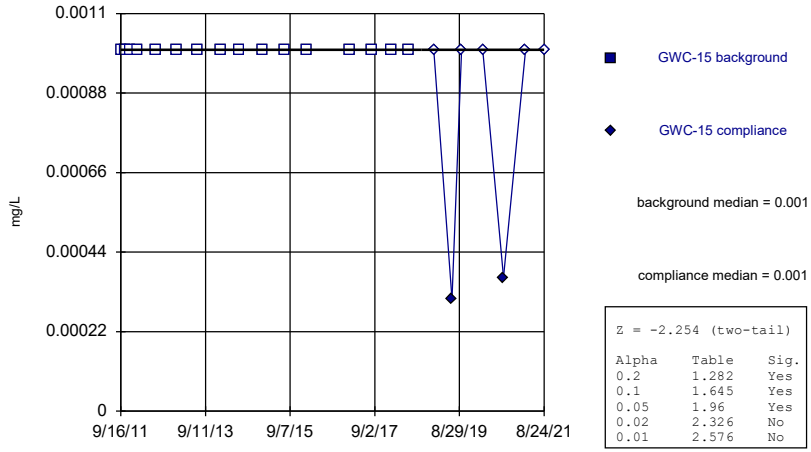
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Nickel Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-15



Z = -2.254 (two-tail)

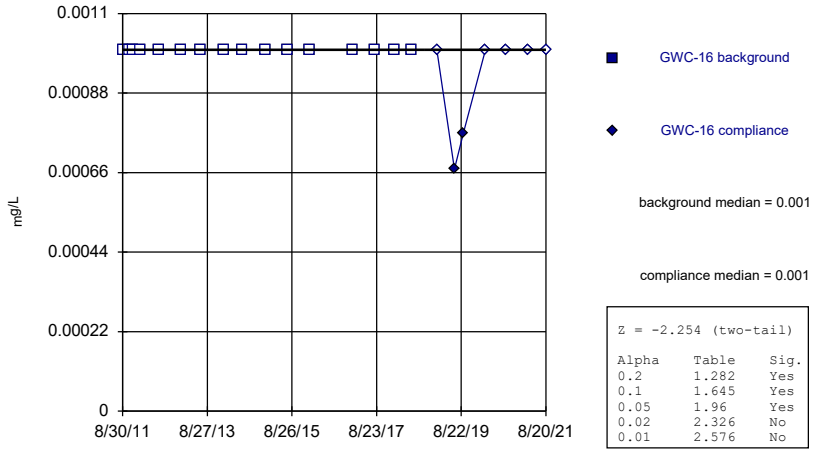
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Nickel Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-16



Z = -2.254 (two-tail)

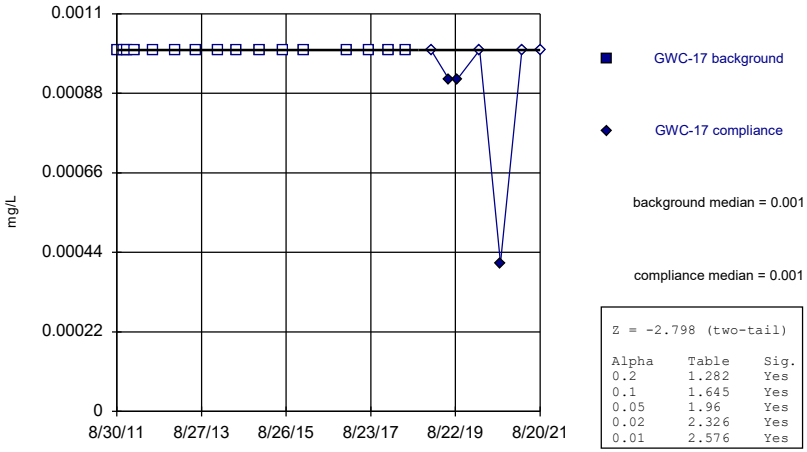
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Nickel Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-17



Z = -2.798 (two-tail)

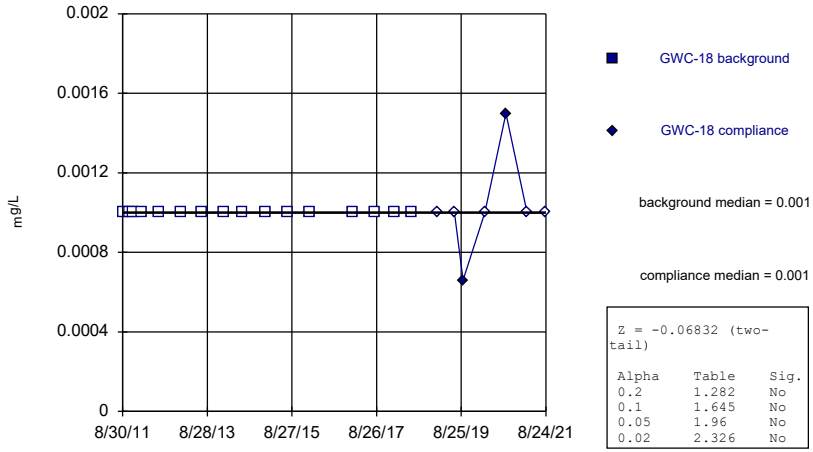
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Nickel Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-18



Z = -0.06832 (two-tail)

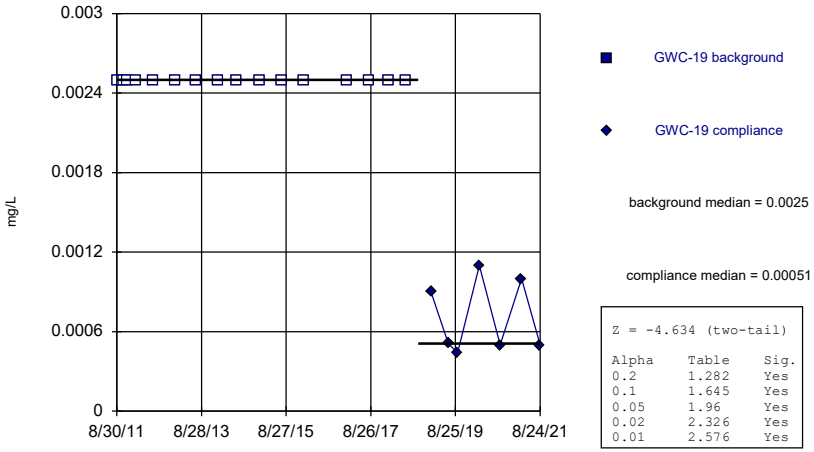
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No

Constituent: Nickel Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-19



Z = -4.634 (two-tail)

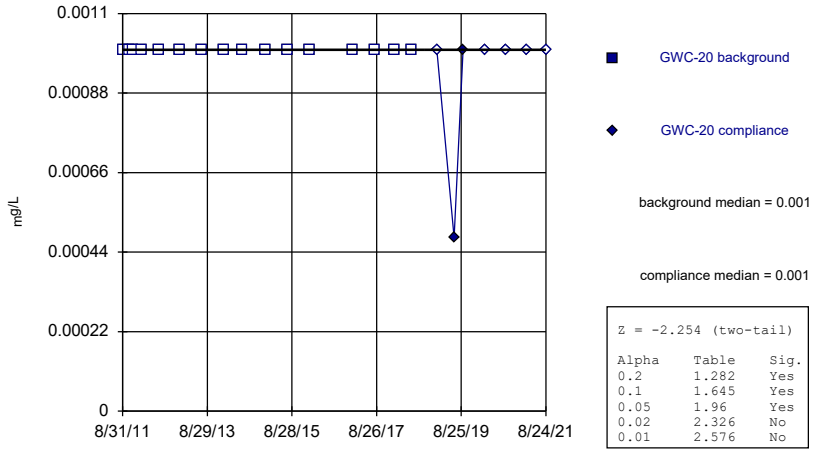
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Nickel Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-20



Z = -2.254 (two-tail)

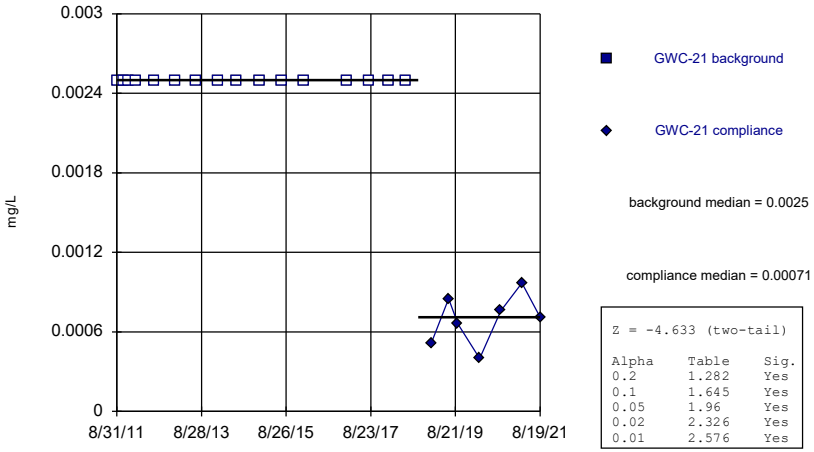
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Nickel Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-21



Z = -4.633 (two-tail)

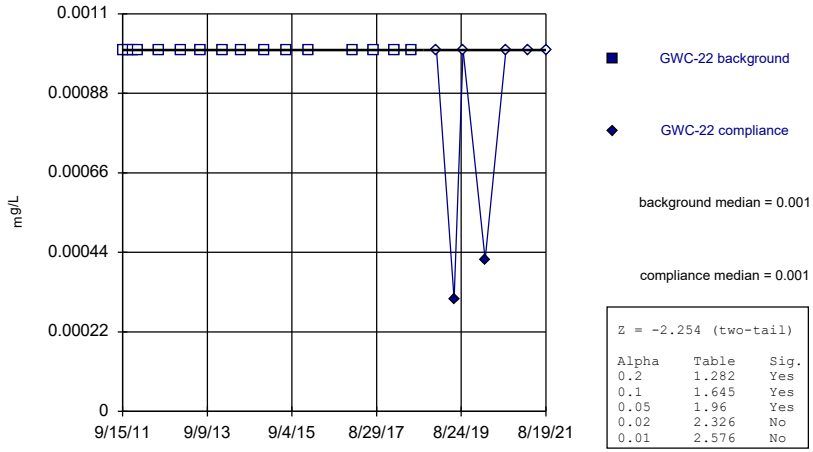
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Nickel Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-22



Z = -2.254 (two-tail)

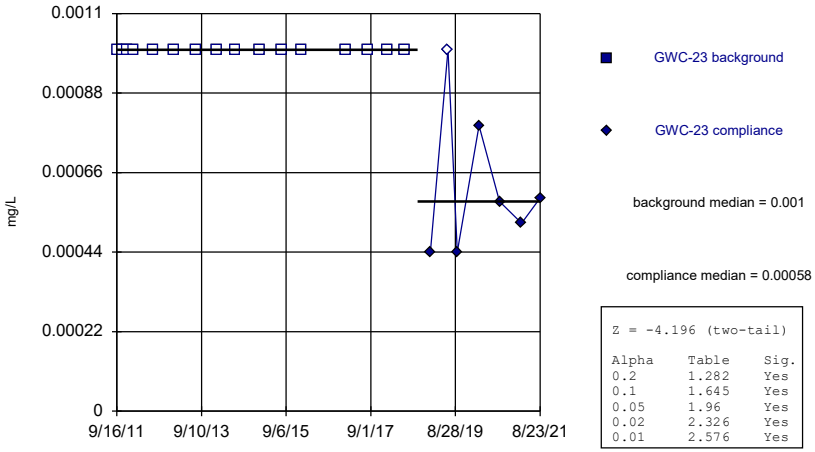
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Nickel Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-23



Z = -4.196 (two-tail)

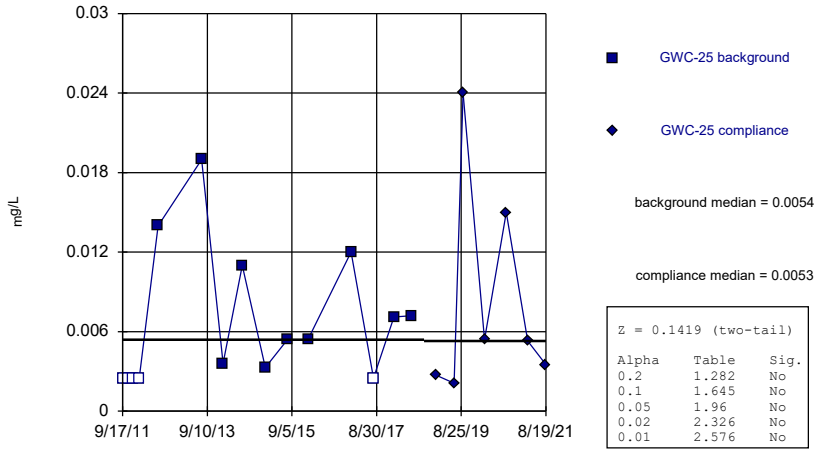
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Nickel Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-25



Z = 0.1419 (two-tail)

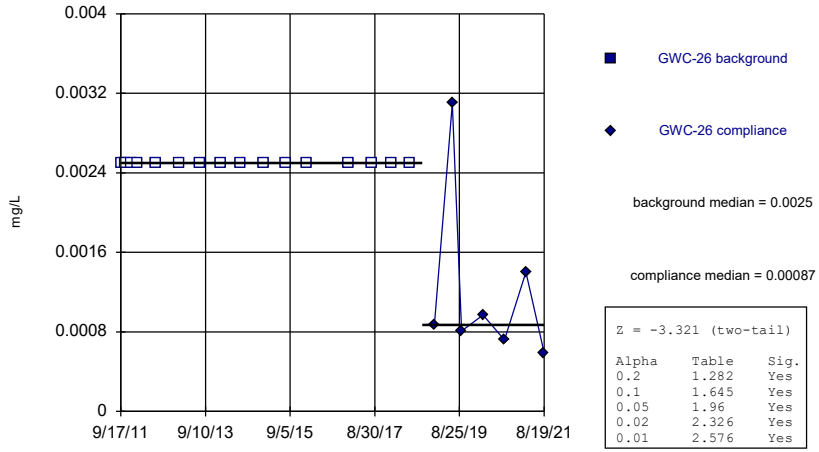
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Nickel Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-26



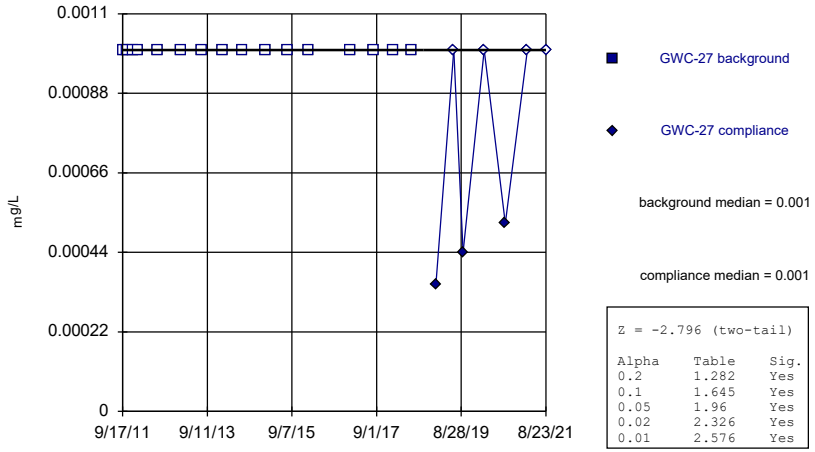

```
Z = -3.321 (two-tail)

Alpha     Table     Sig.
0.2       1.282     Yes
0.1       1.645     Yes
0.05      1.96      Yes
0.02      2.326     Yes
0.01      2.576     Yes
```

Constituent: Nickel Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-27



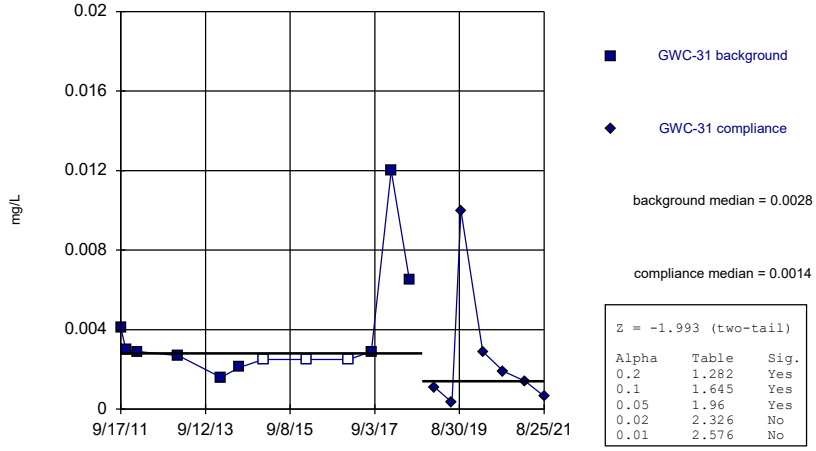

```
Z = -2.796 (two-tail)

Alpha     Table     Sig.
0.2       1.282     Yes
0.1       1.645     Yes
0.05      1.96      Yes
0.02      2.326     Yes
0.01      2.576     Yes
```

Constituent: Nickel Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-31



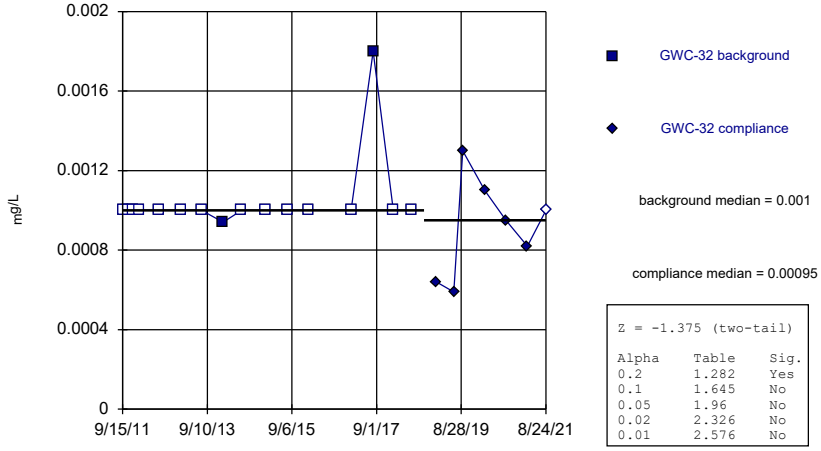

```
Z = -1.993 (two-tail)

Alpha     Table     Sig.
0.2       1.282     Yes
0.1       1.645     Yes
0.05      1.96      Yes
0.02      2.326     No
0.01      2.576     No
```

Constituent: Nickel Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-32



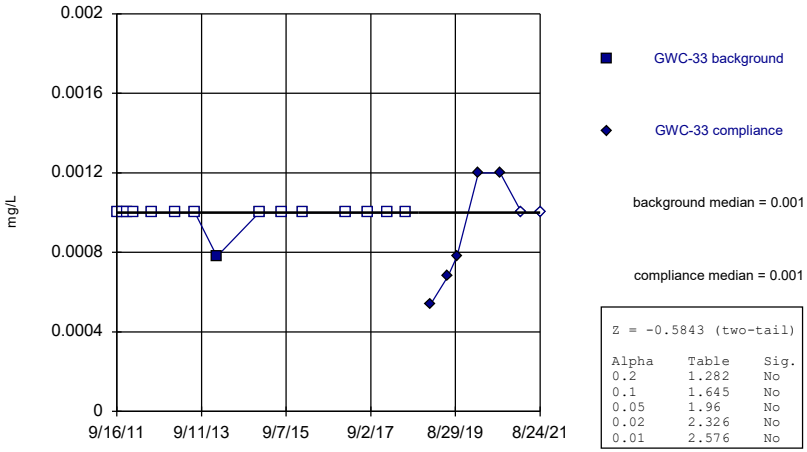

```
Z = -1.375 (two-tail)

Alpha     Table     Sig.
0.2       1.282     Yes
0.1       1.645     No
0.05      1.96      No
0.02      2.326     No
0.01      2.576     No
```

Constituent: Nickel Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-33



Z = -0.5843 (two-tail)

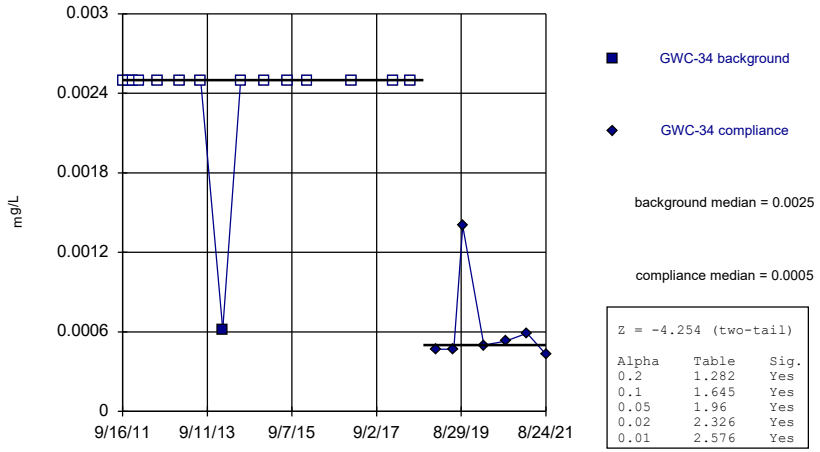
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Nickel Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-34



Z = -4.254 (two-tail)

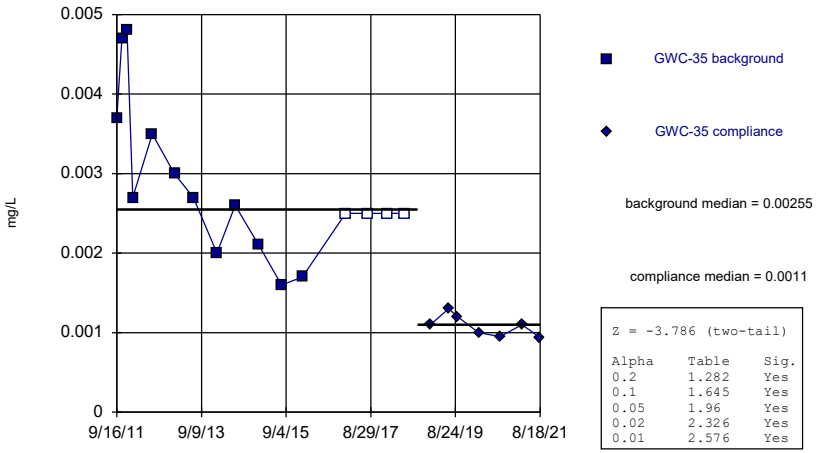
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Nickel Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-35



Z = -3.786 (two-tail)

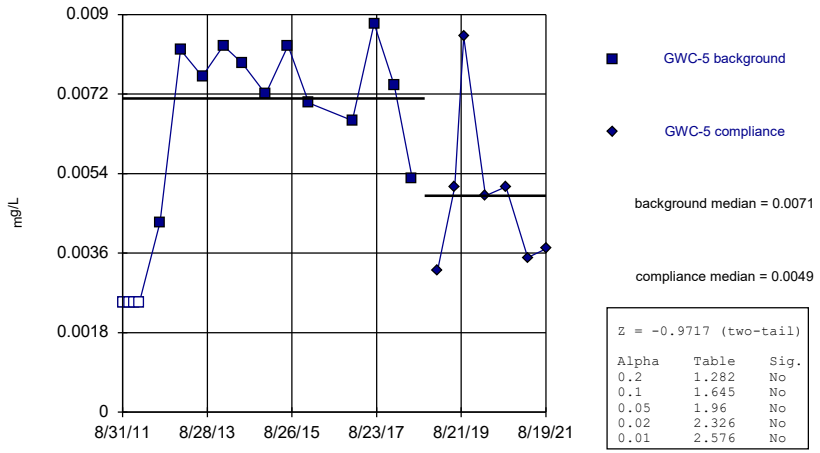
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Nickel Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-5



Z = -0.9717 (two-tail)

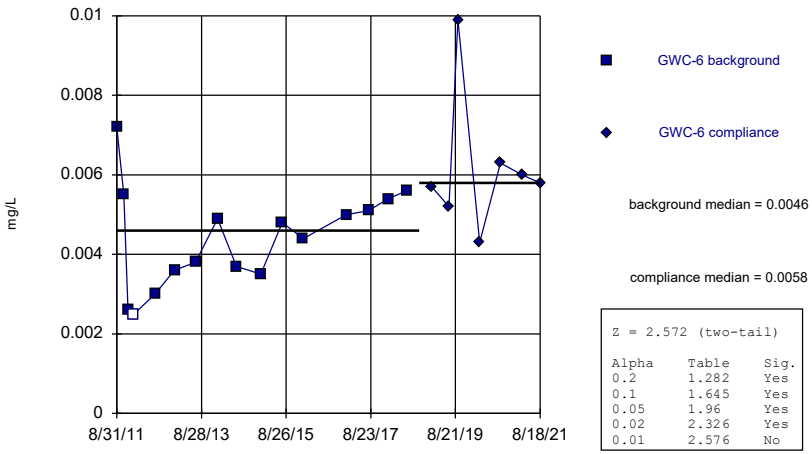
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Nickel Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-6



Z = 2.572 (two-tail)

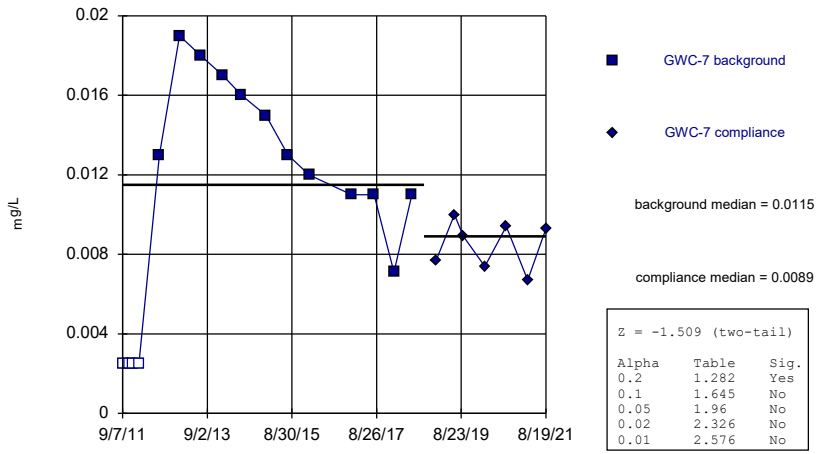
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	No

Constituent: Nickel Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-7



Z = -1.509 (two-tail)

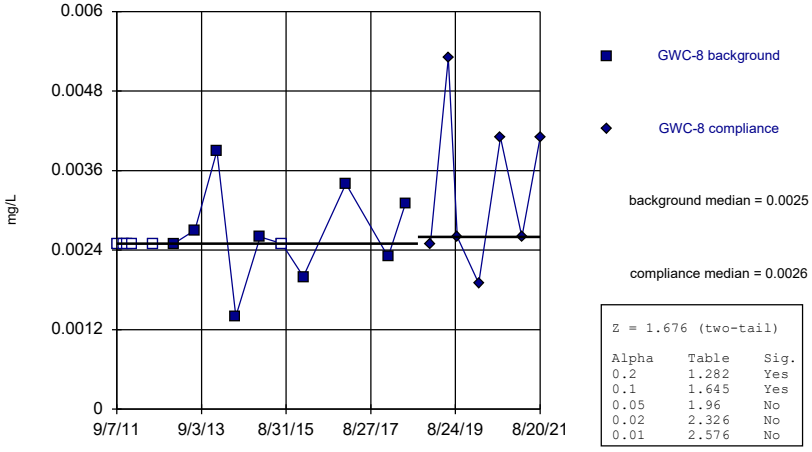
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Nickel Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-8



Z = 1.676 (two-tail)

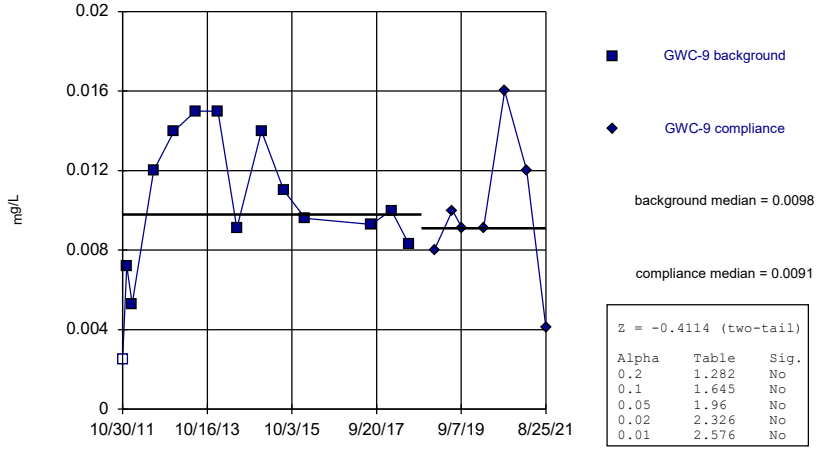
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Nickel Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-9



Z = -0.4114 (two-tail)

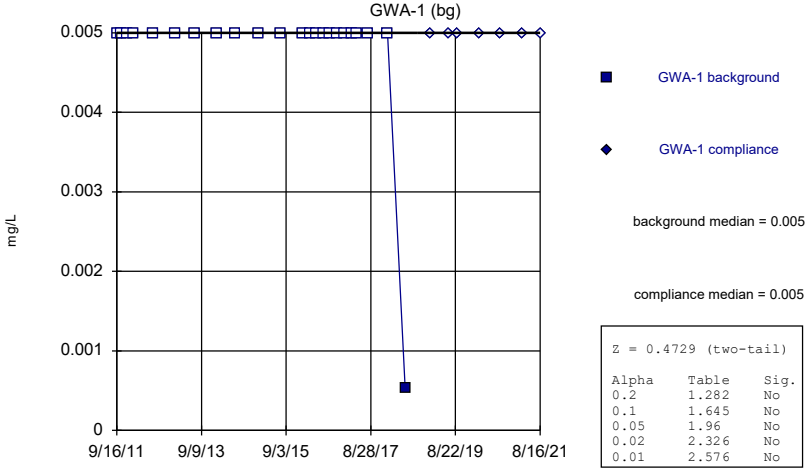
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Nickel Analysis Run 5/14/2022 11:21 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-1 (bg)



Z = 0.4729 (two-tail)

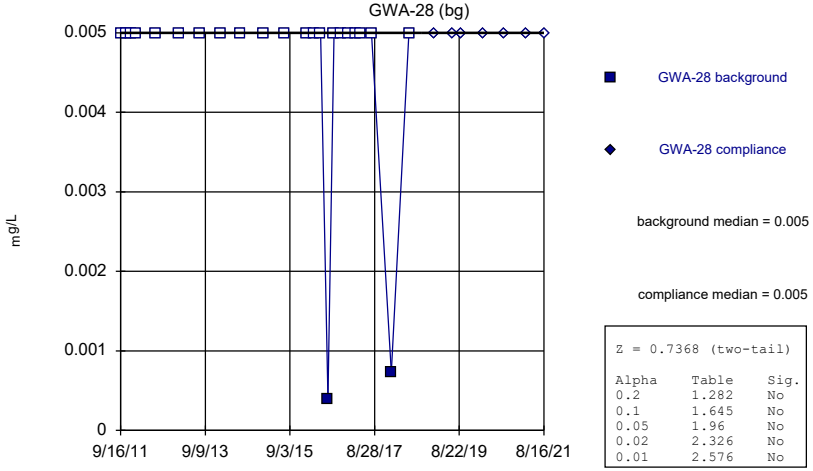
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-28 (bg)



Z = 0.7368 (two-tail)

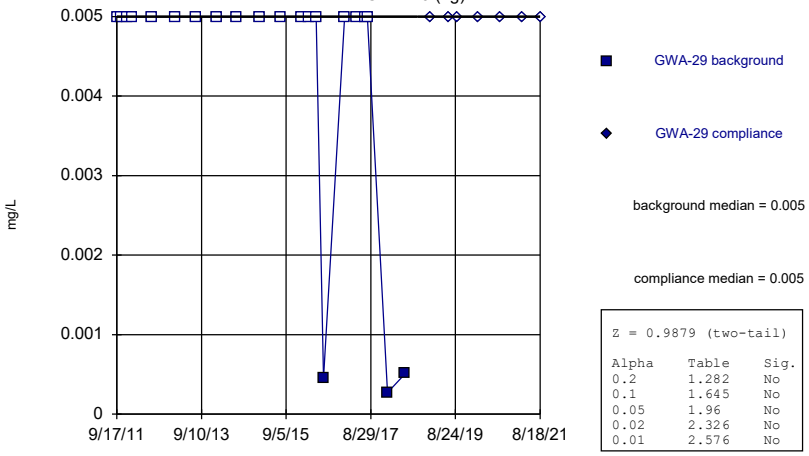
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-29 (bg)



Z = 0.9879 (two-tail)

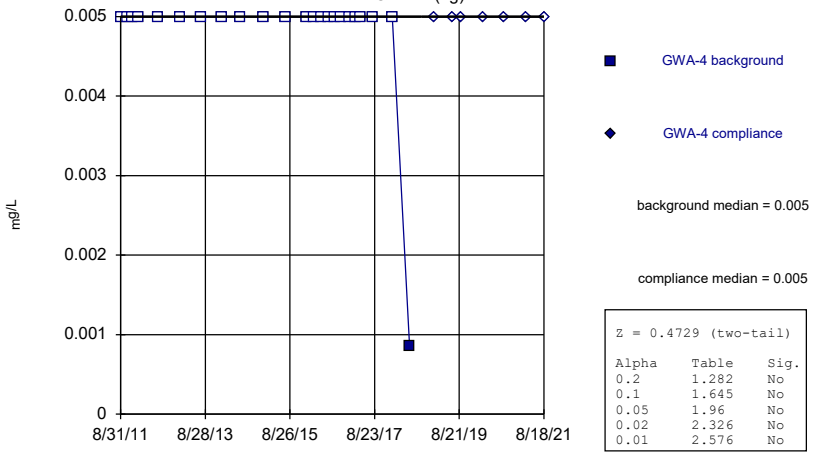
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-4 (bg)



Z = 0.4729 (two-tail)

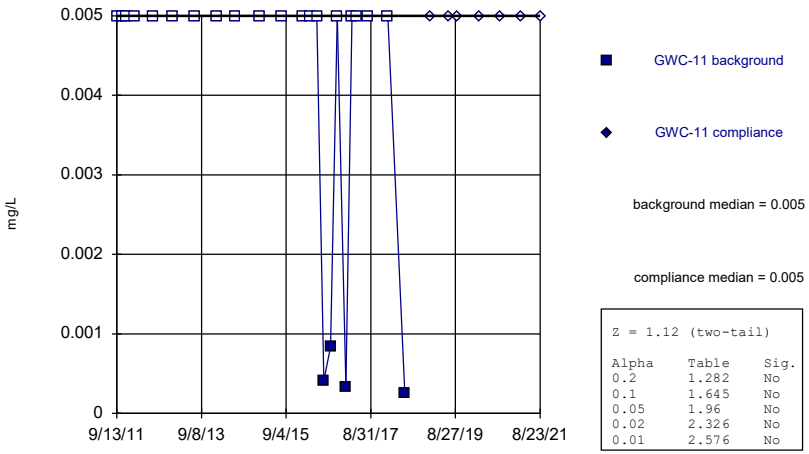
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-11



Z = 1.12 (two-tail)

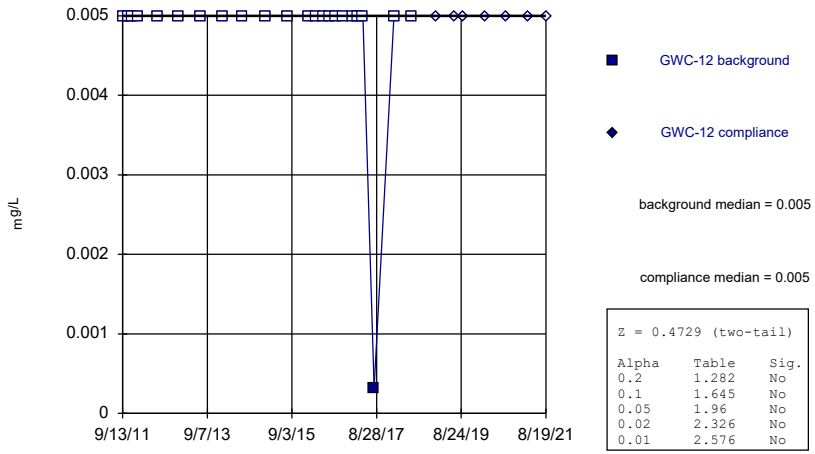
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-12



Z = 0.4729 (two-tail)

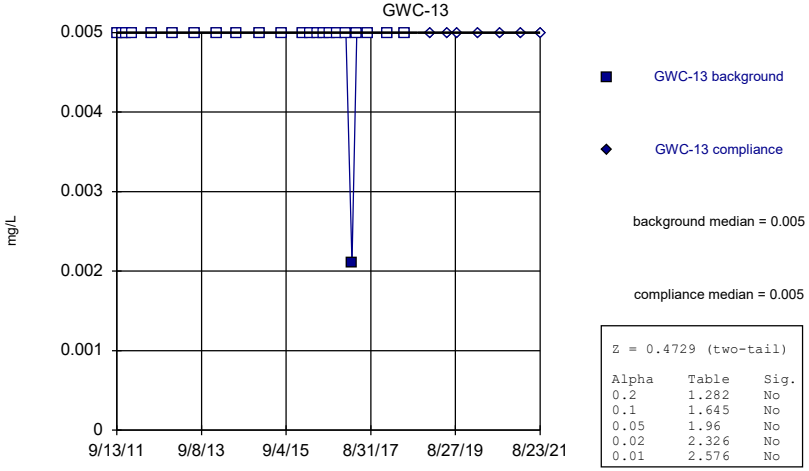
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-13



Z = 0.4729 (two-tail)

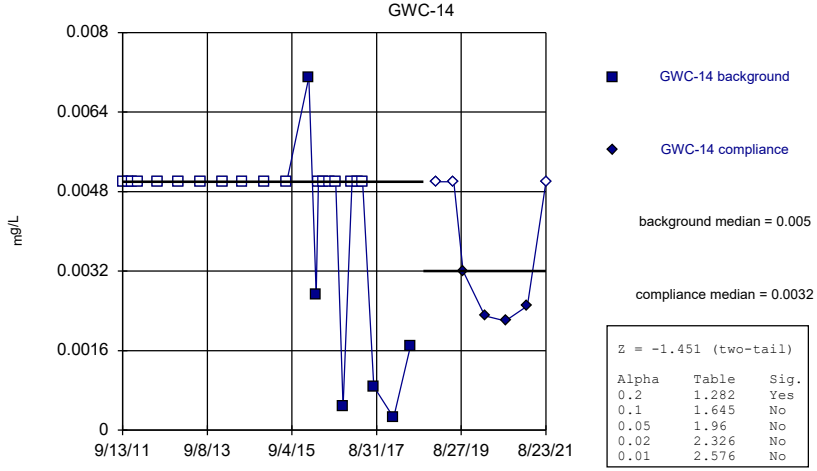
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-14



Z = -1.451 (two-tail)

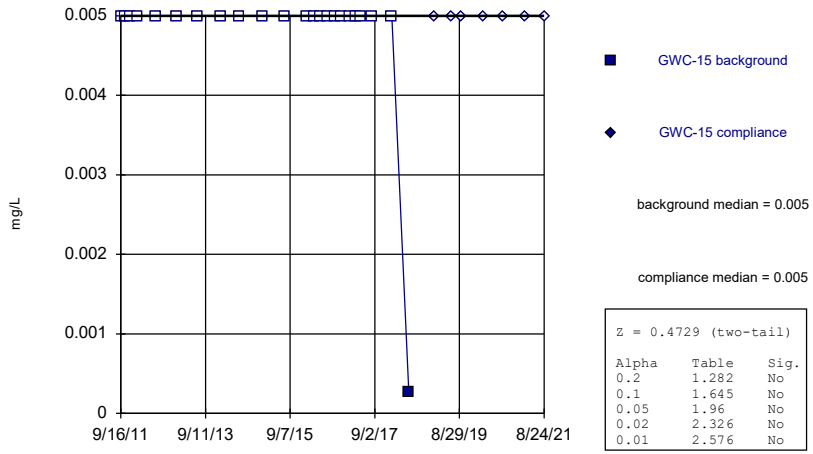
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-15



Z = 0.4729 (two-tail)

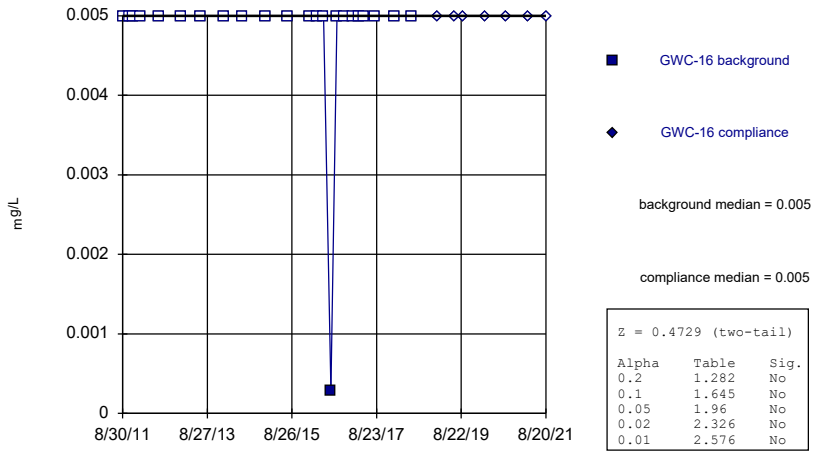
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-16



Z = 0.4729 (two-tail)

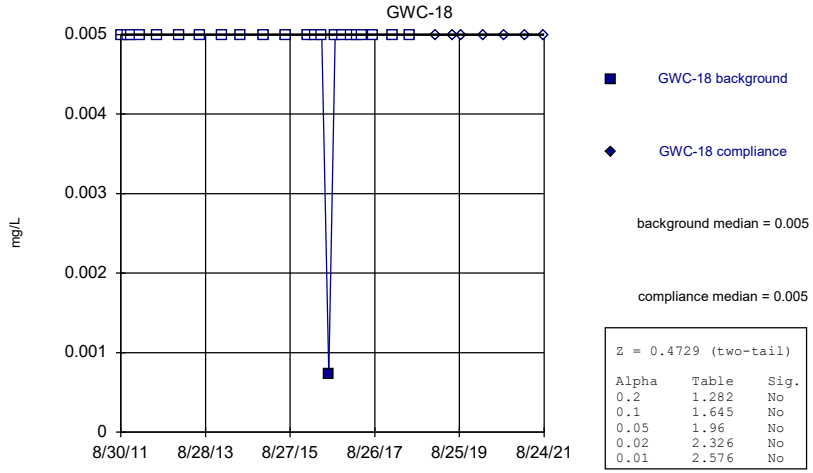
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-18



Z = 0.4729 (two-tail)

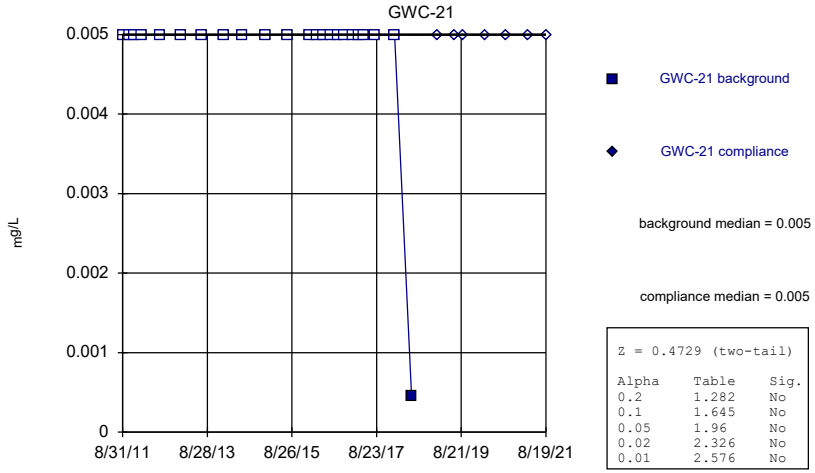
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-21



Z = 0.4729 (two-tail)

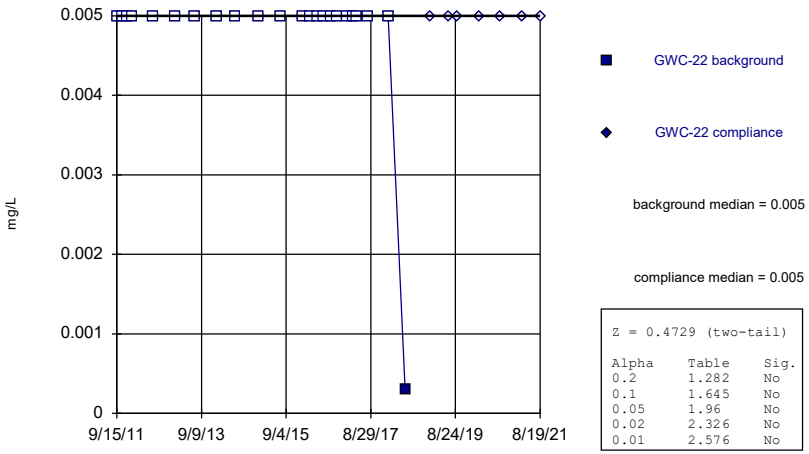
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-22



Z = 0.4729 (two-tail)

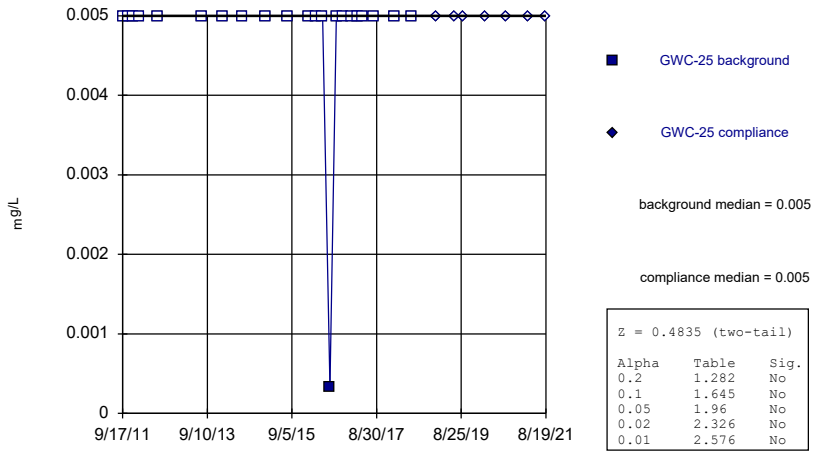
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-25



Z = 0.4835 (two-tail)

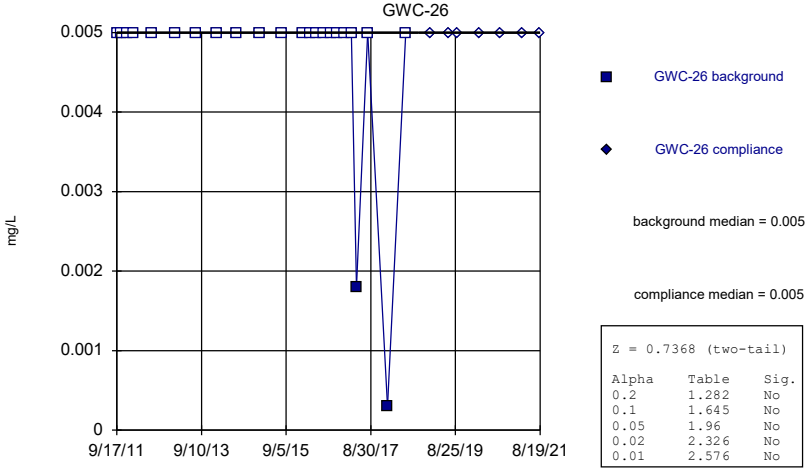
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-26



Z = 0.7368 (two-tail)

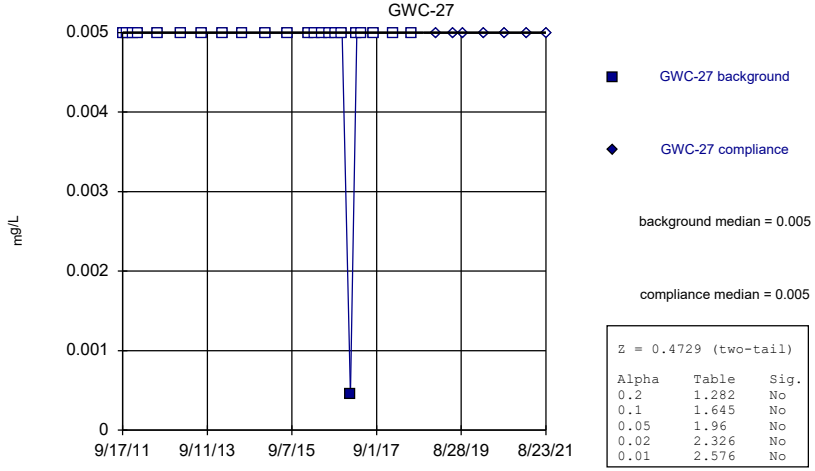
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-27



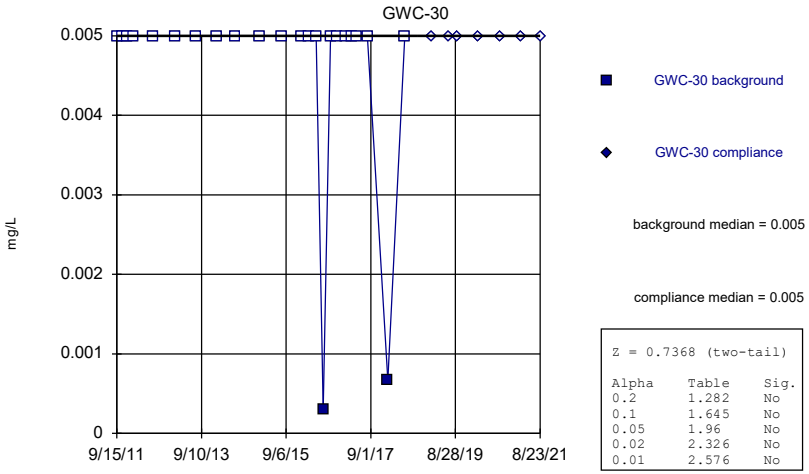
Z = 0.4729 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)



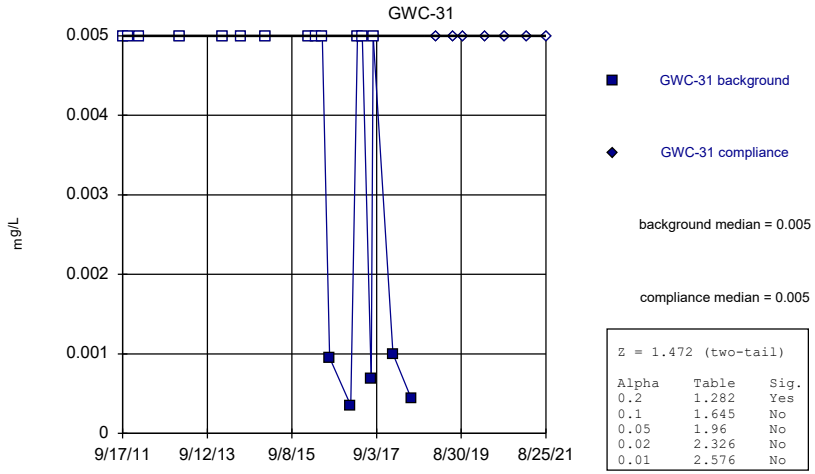
Z = 0.7368 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)



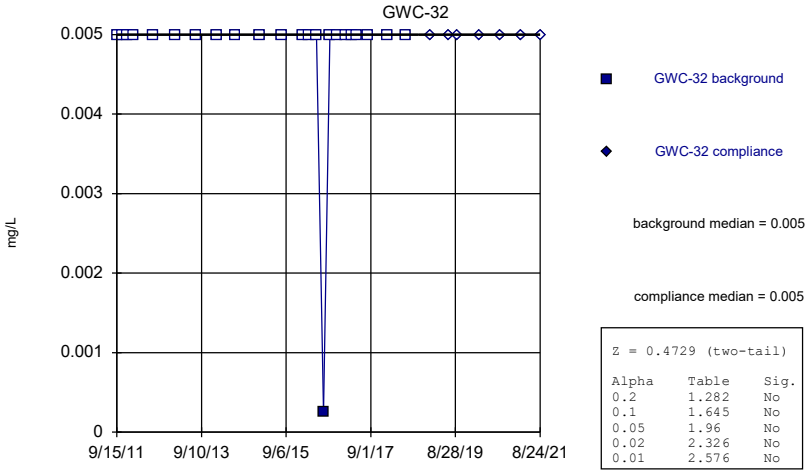
Z = 1.472 (two-tail)

Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)



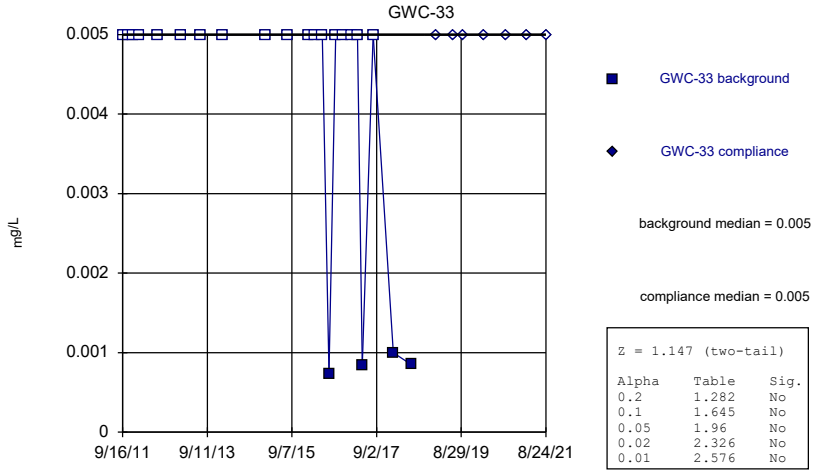
Z = 0.4729 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)



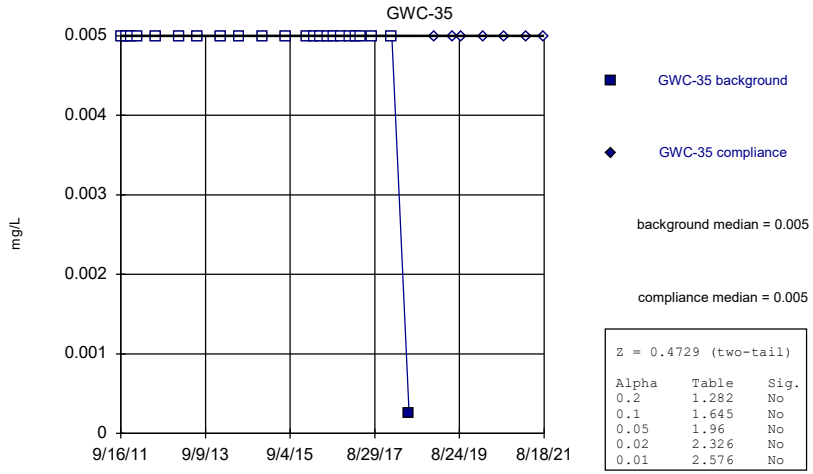
Z = 1.147 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)



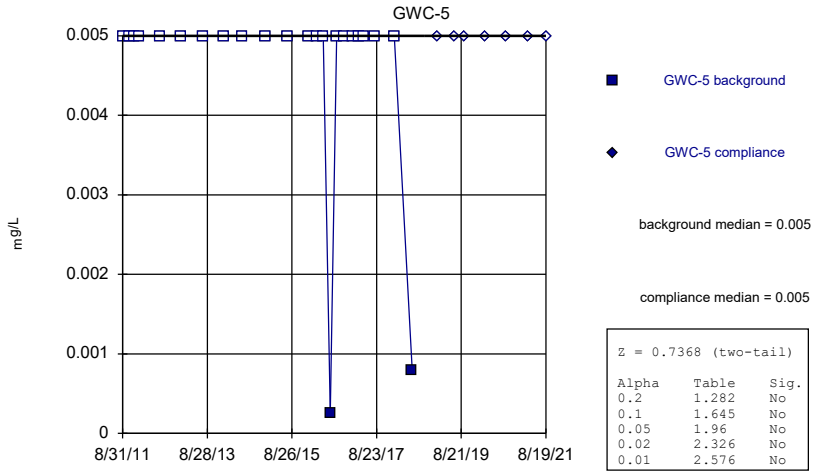
Z = 0.4729 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)



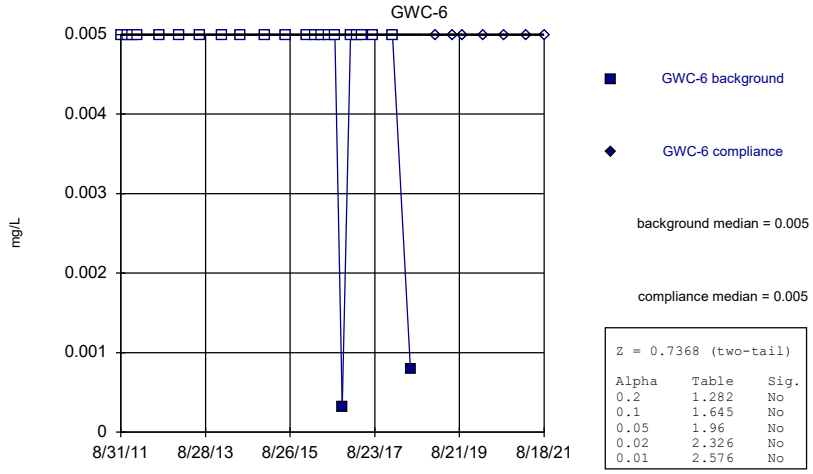
Z = 0.7368 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)



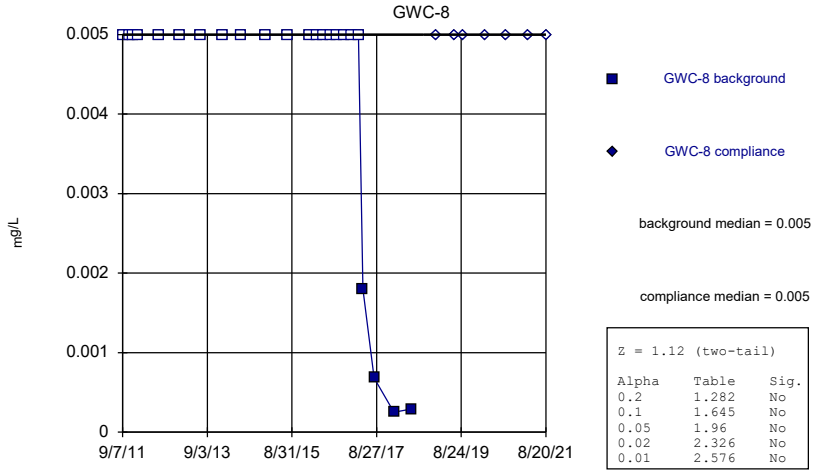
Z = 0.7368 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)



Z = 1.12 (two-tail)

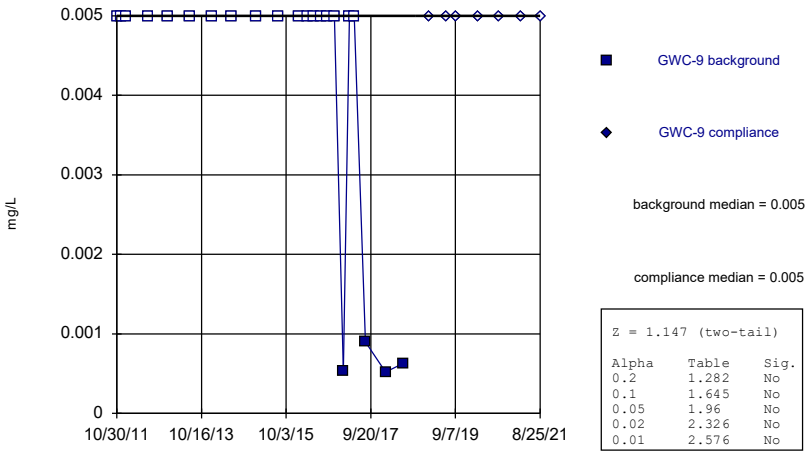
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-9



Z = 1.147 (two-tail)

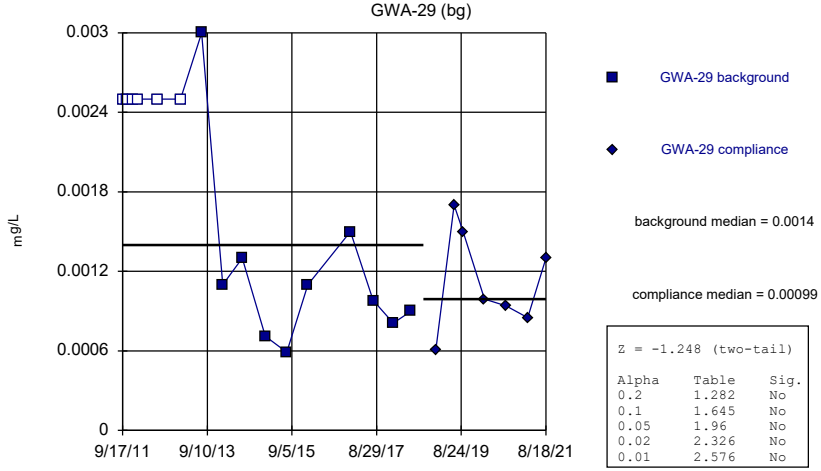
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Selenium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-29 (bg)



Z = -1.248 (two-tail)

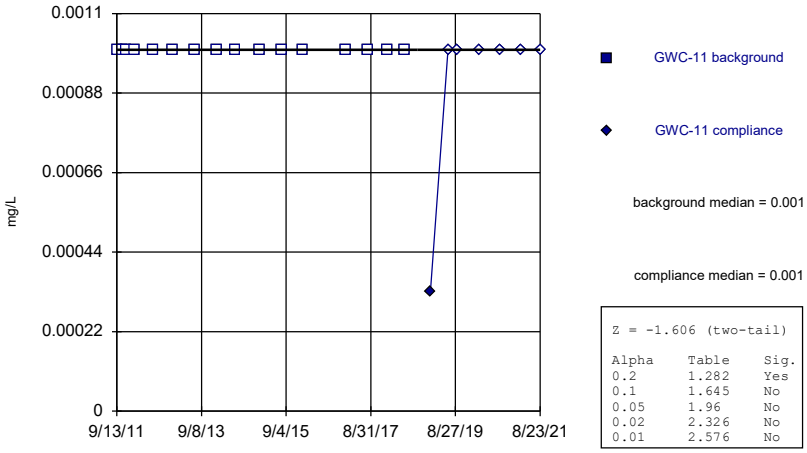
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Silver Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-11



Z = -1.606 (two-tail)

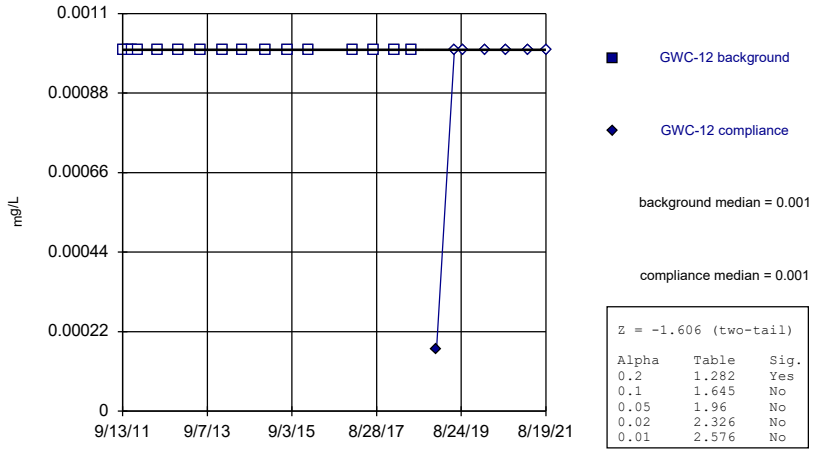
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Silver Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-12



Z = -1.606 (two-tail)

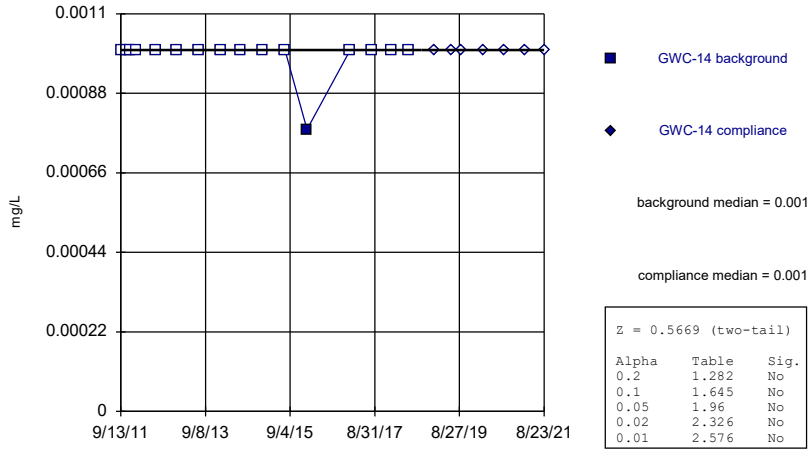
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Silver Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-14



Z = 0.5669 (two-tail)

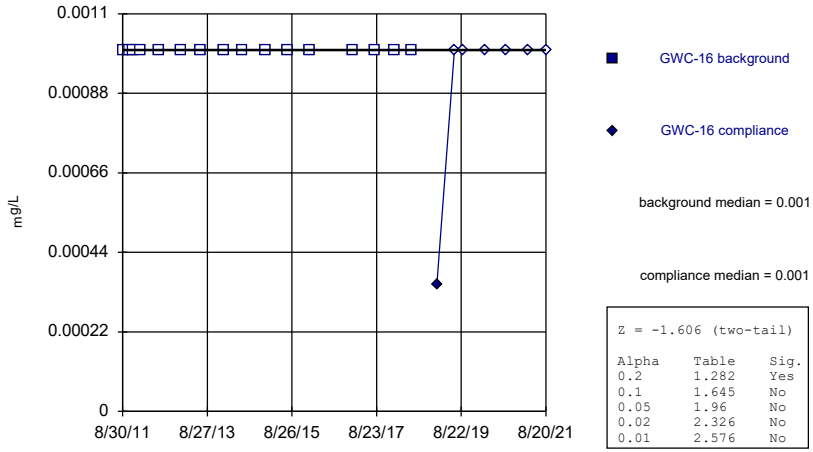
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Silver Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-16



Z = -1.606 (two-tail)

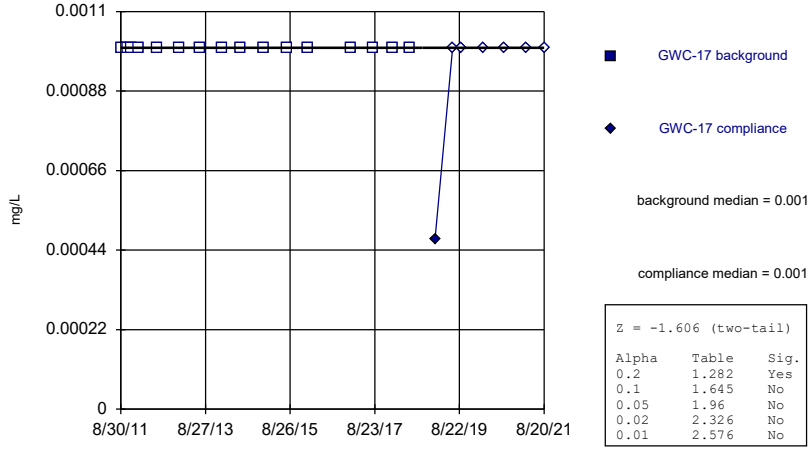
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Silver Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-17



Z = -1.606 (two-tail)

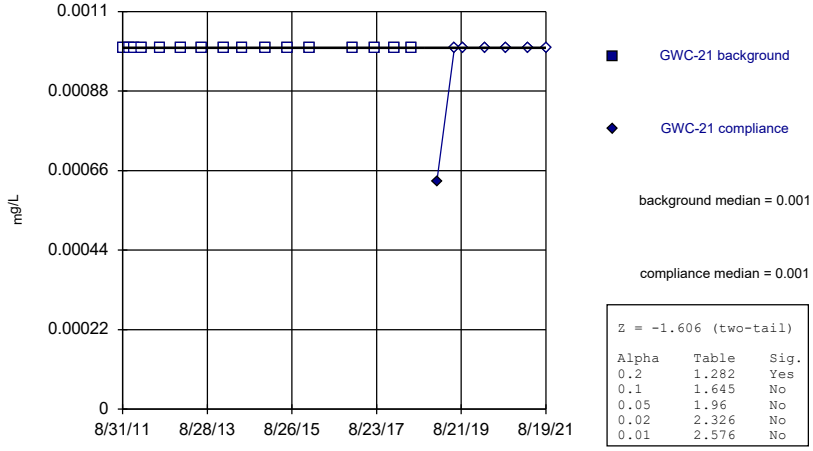
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Silver Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-21



Z = -1.606 (two-tail)

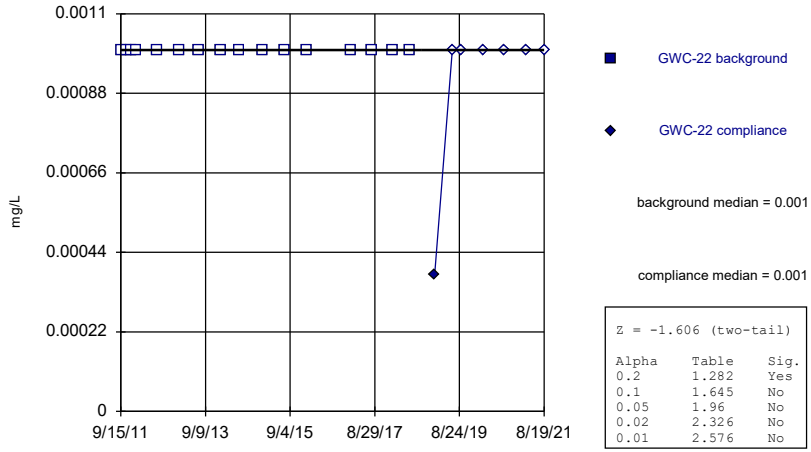
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Silver Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-22



Z = -1.606 (two-tail)

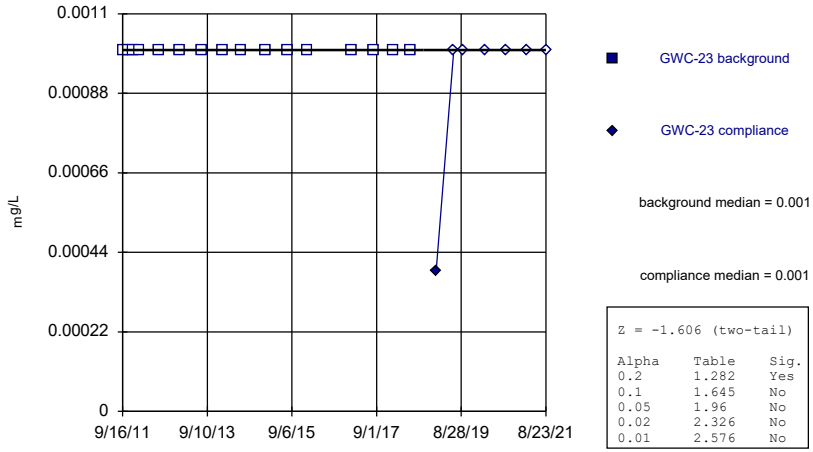
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Silver Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-23



Z = -1.606 (two-tail)

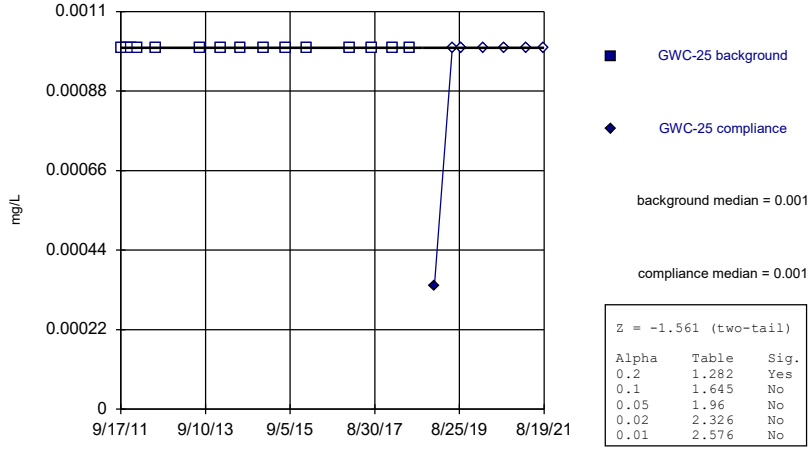
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Silver Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-25



Z = -1.561 (two-tail)

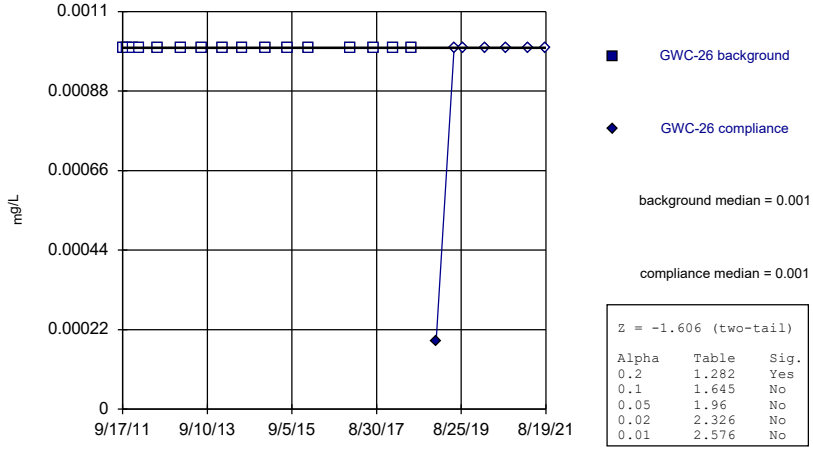
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Silver Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-26



Z = -1.606 (two-tail)

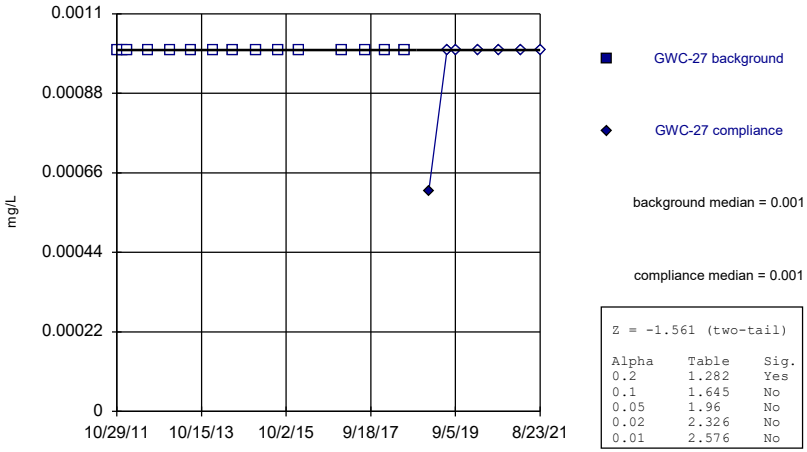
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Silver Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-27



Z = -1.561 (two-tail)

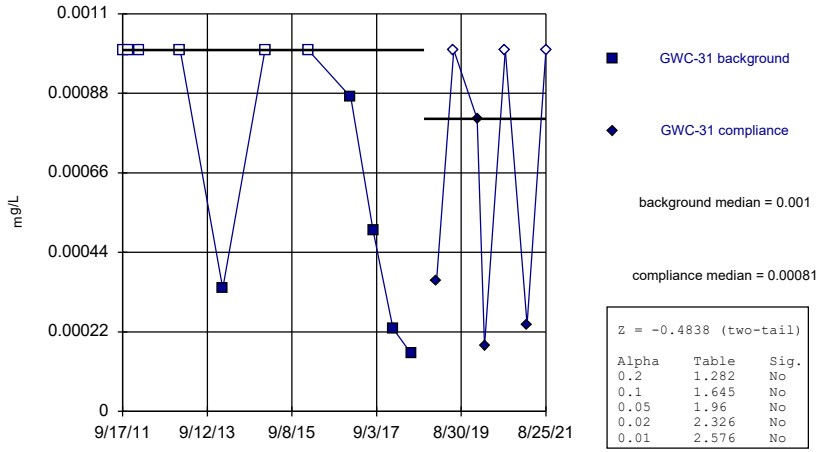
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Silver Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-31



Z = -0.4838 (two-tail)

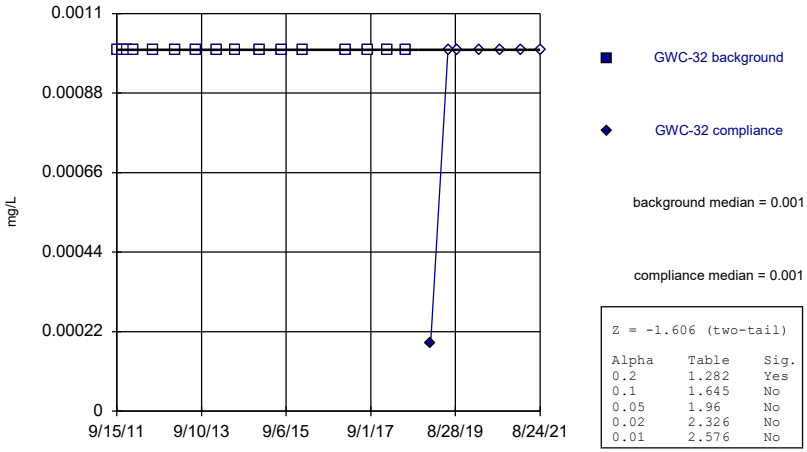
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Silver Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-32



Z = -1.606 (two-tail)

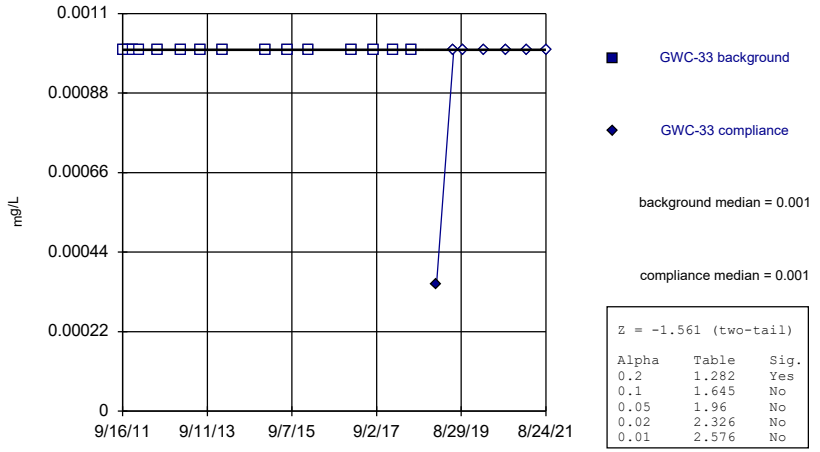
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Silver Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-33

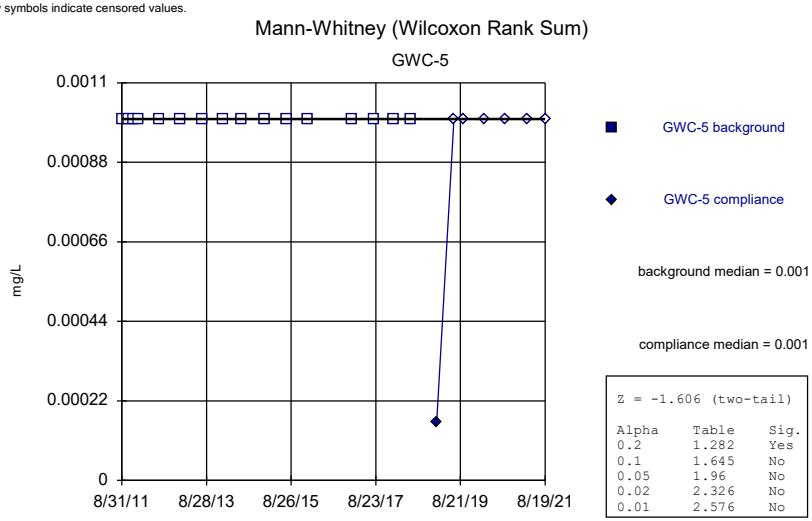


Z = -1.561 (two-tail)

Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

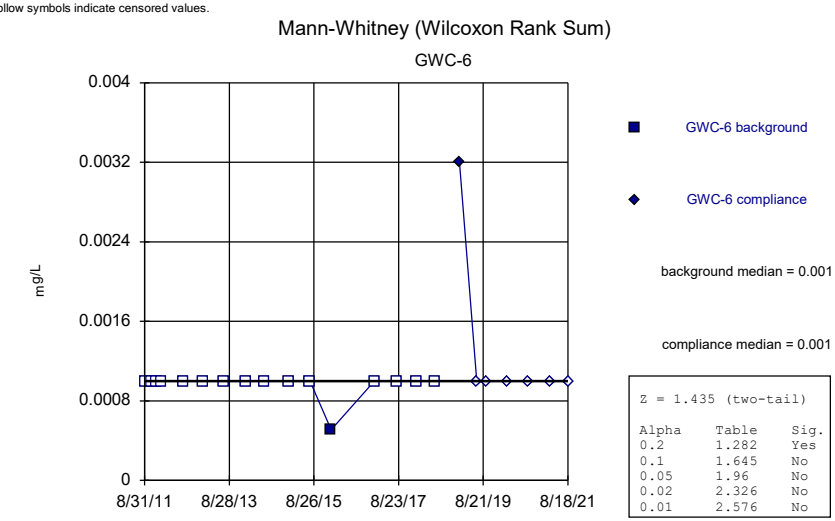
Constituent: Silver Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.



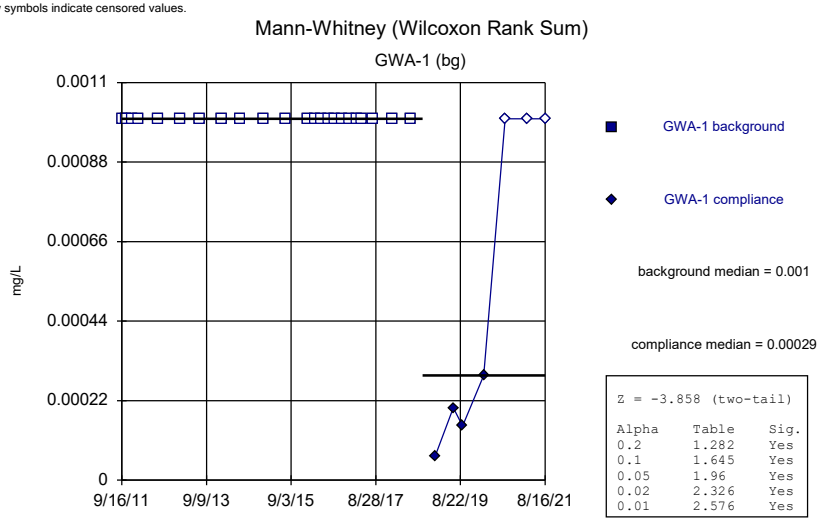
Constituent: Silver Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.



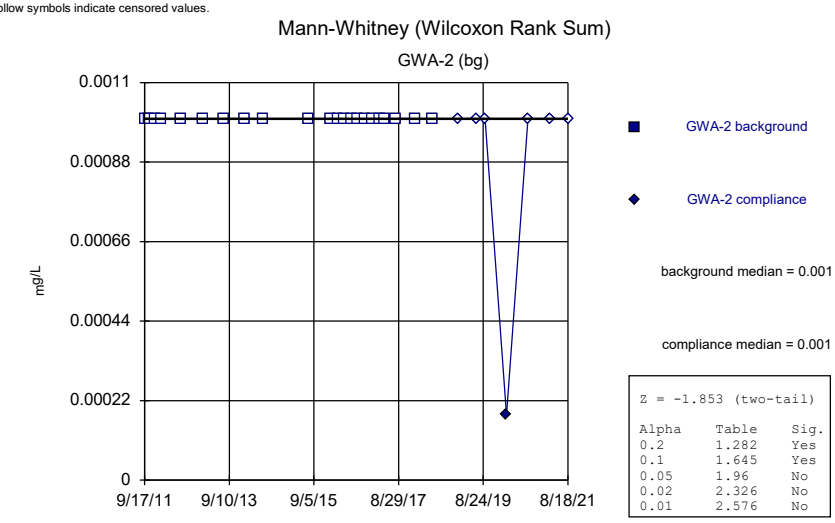
Constituent: Silver Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.



Constituent: Thallium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

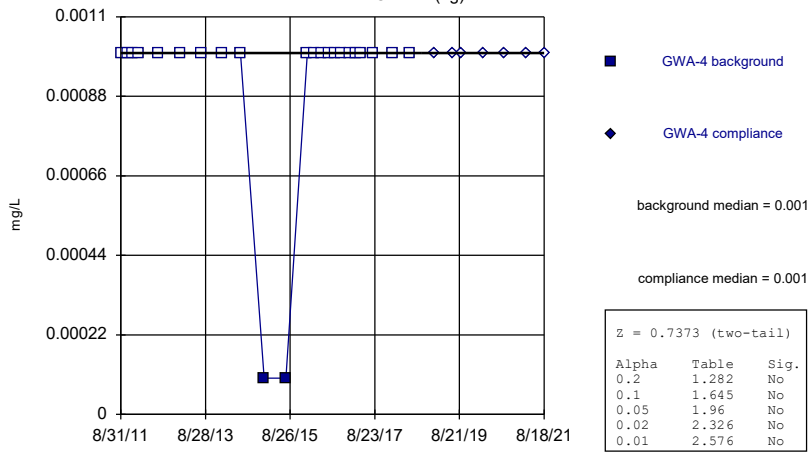


Constituent: Thallium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-4 (bg)



Z = 0.7373 (two-tail)

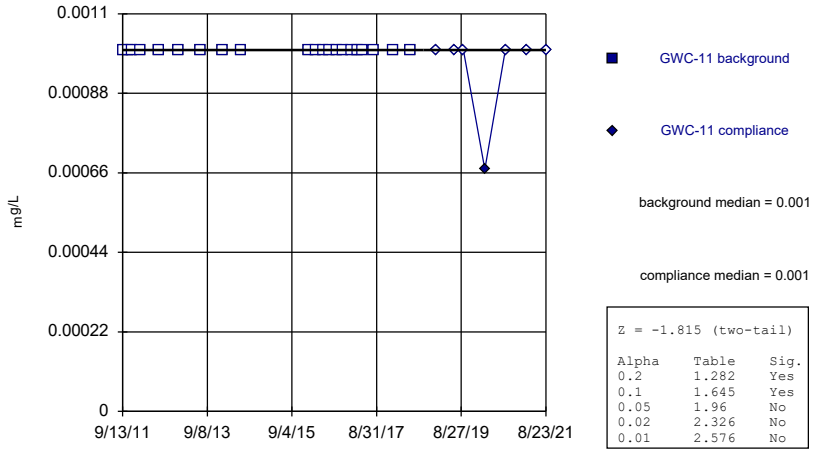
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Thallium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-11



Z = -1.815 (two-tail)

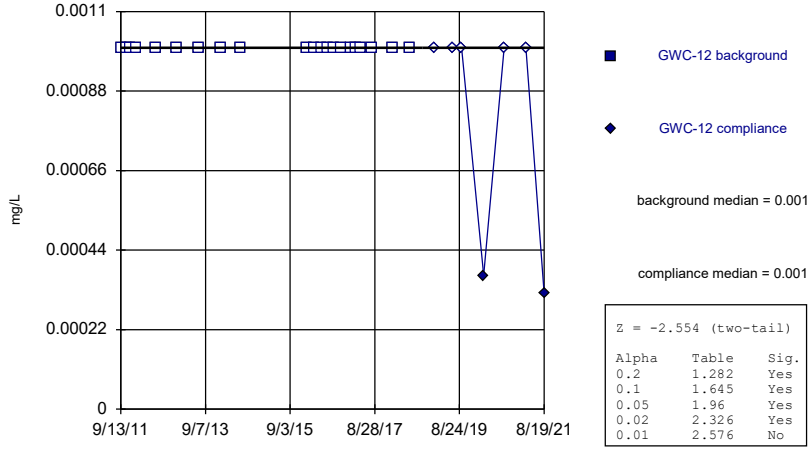
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Thallium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-12



Z = -2.554 (two-tail)

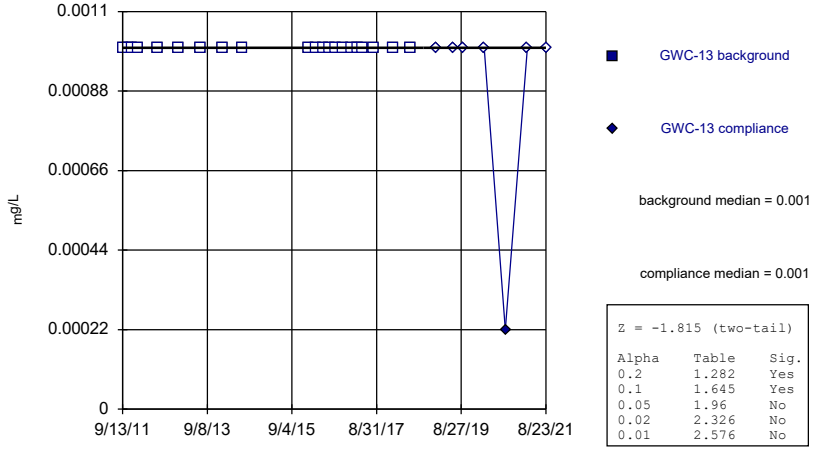
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	No

Constituent: Thallium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-13



Z = -1.815 (two-tail)

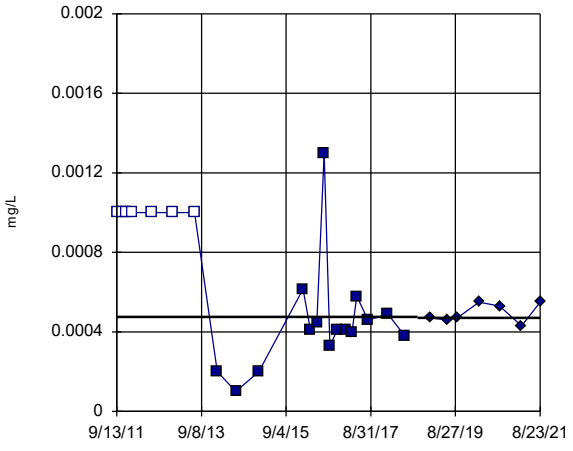
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Thallium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-14



GWC-14 background

GWC-14 compliance

background median = 0.000475

compliance median = 0.00047

Z = 0 (two-tail)

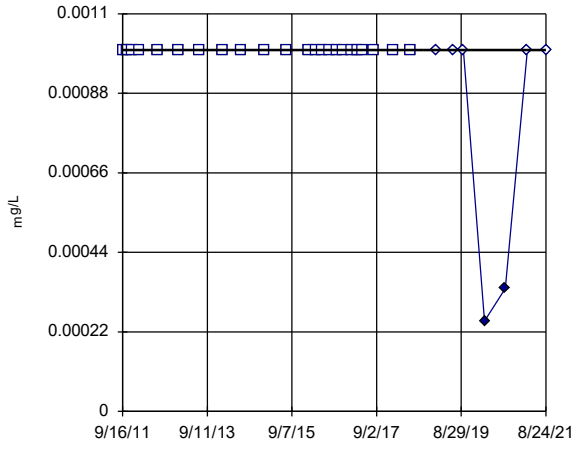
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Thallium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-15



GWC-15 background

GWC-15 compliance

background median = 0.001

compliance median = 0.001

Z = -2.664 (two-tail)

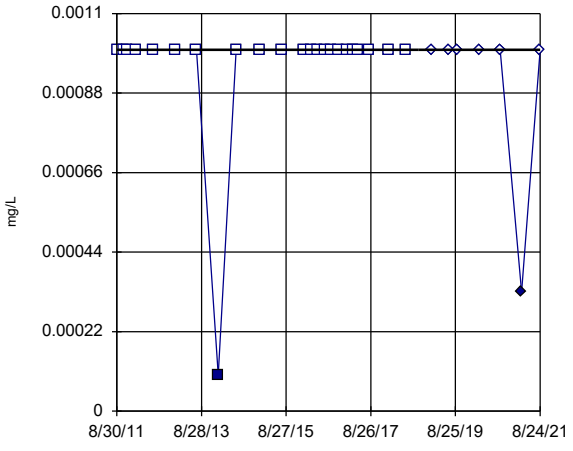
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Thallium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-19



GWC-19 background

GWC-19 compliance

background median = 0.001

compliance median = 0.001

Z = -0.9069 (two-tail)

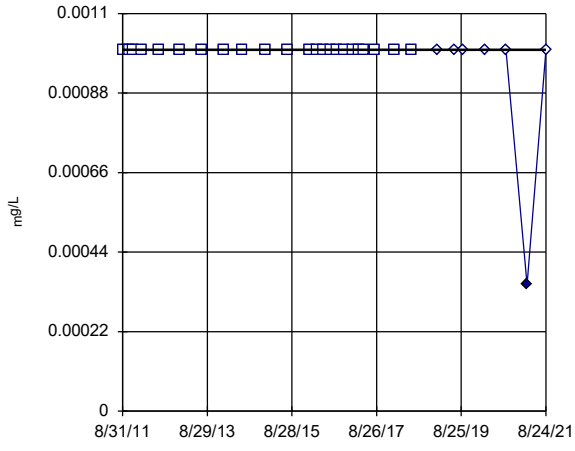
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Thallium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-20



GWC-20 background

GWC-20 compliance

background median = 0.001

compliance median = 0.001

Z = -1.891 (two-tail)

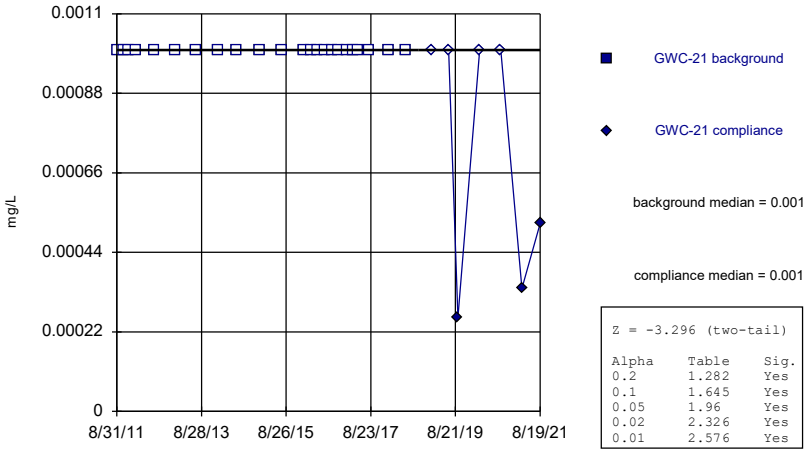
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Thallium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-21



Z = -3.296 (two-tail)

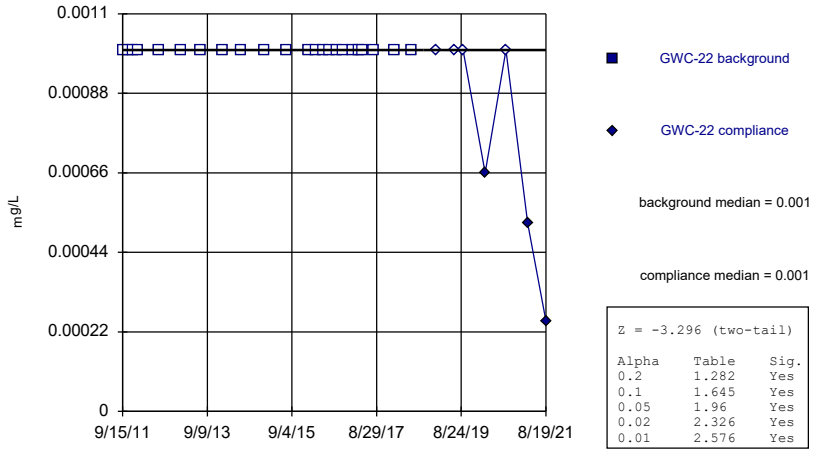
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Thallium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-22



Z = -3.296 (two-tail)

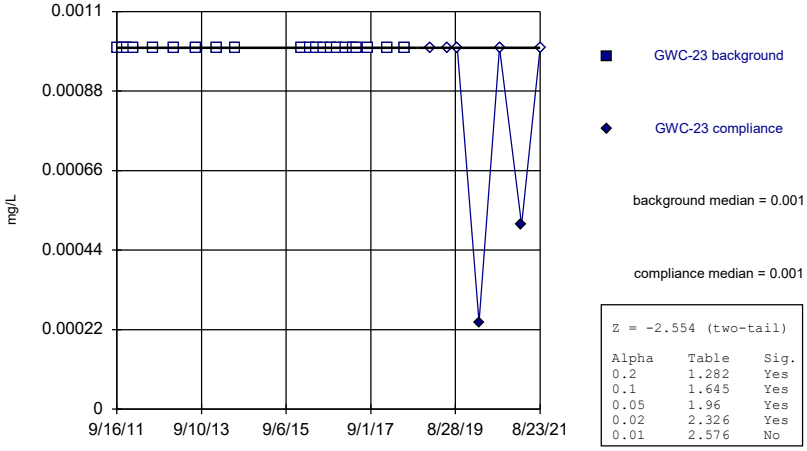
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Thallium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-23



Z = -2.554 (two-tail)

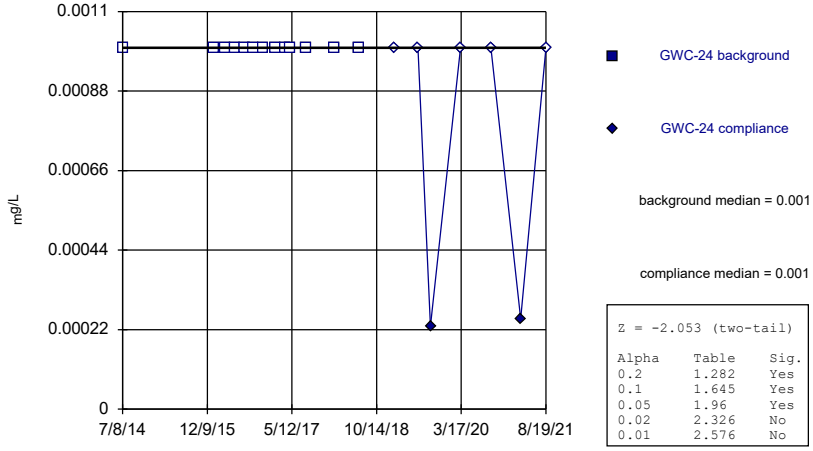
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	No

Constituent: Thallium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-24



Z = -2.053 (two-tail)

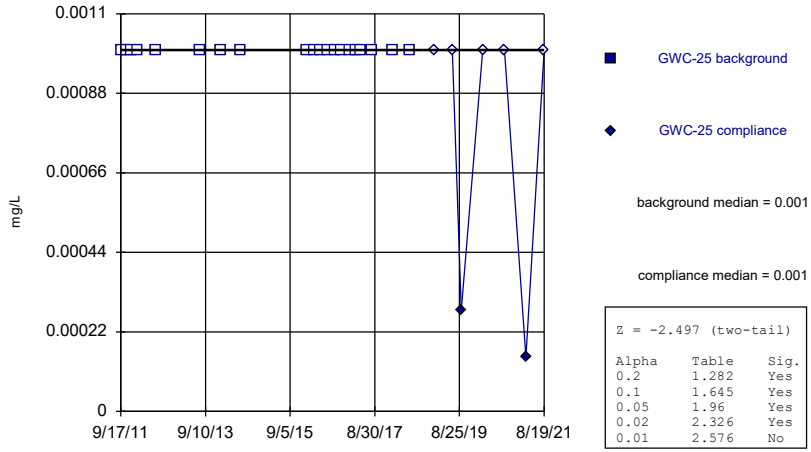
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Thallium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-25



Z = -2.497 (two-tail)

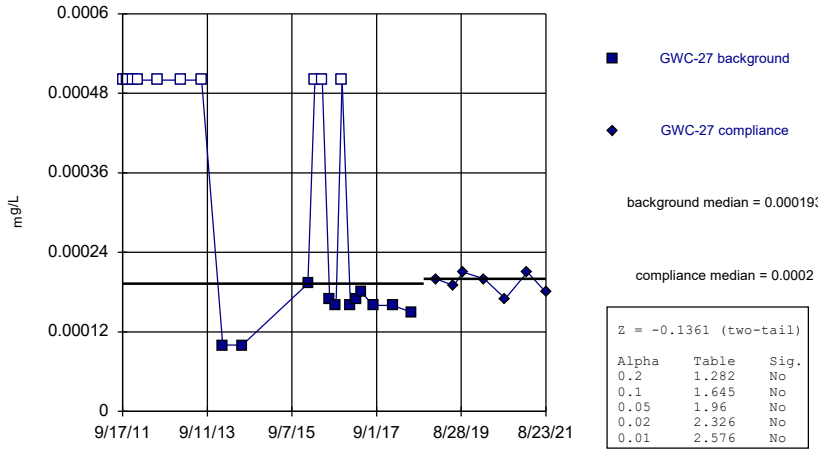
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	No

Constituent: Thallium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-27



Z = -0.1361 (two-tail)

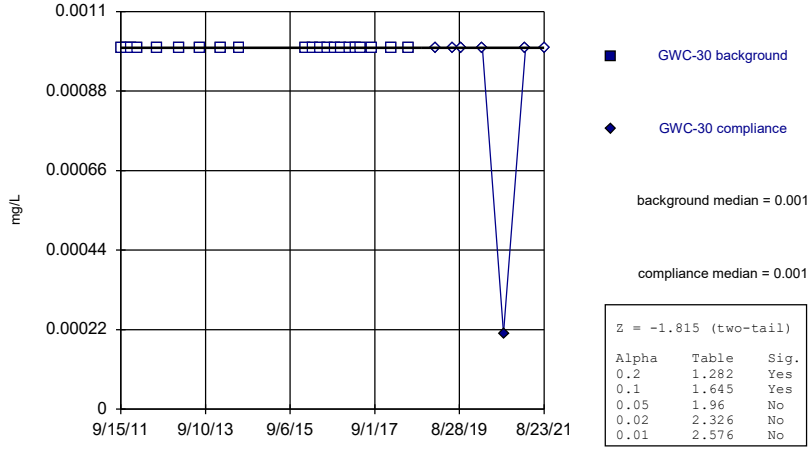
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Thallium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-30



Z = -1.815 (two-tail)

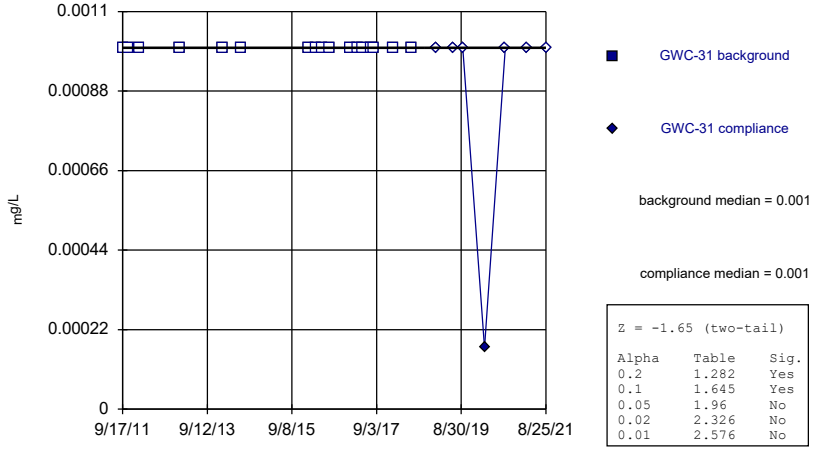
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Thallium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-31



Z = -1.65 (two-tail)

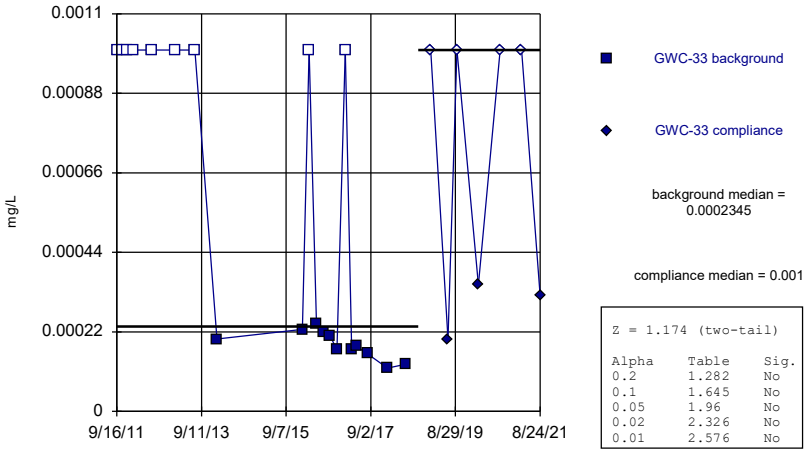
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Thallium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-33



Z = 1.174 (two-tail)

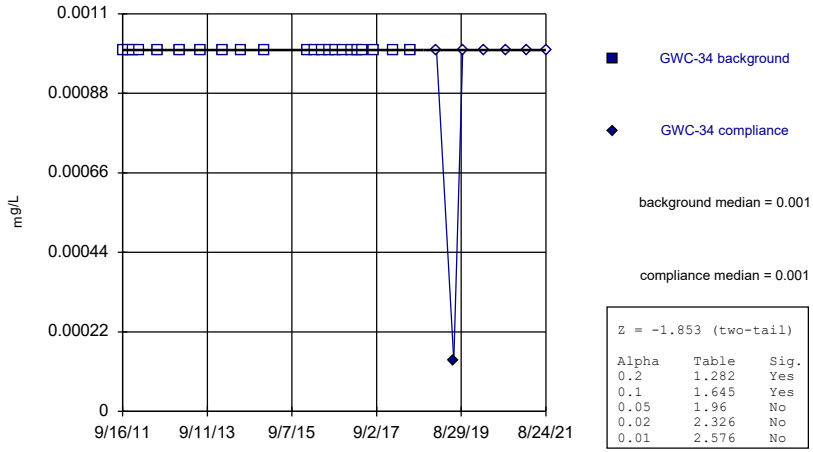
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Thallium Analysis Run 5/14/2022 11:22 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-34



Z = -1.853 (two-tail)

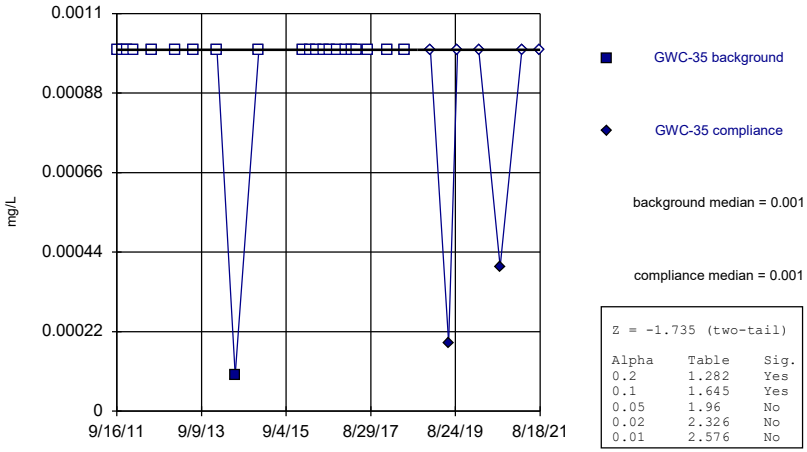
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Thallium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-35



Z = -1.735 (two-tail)

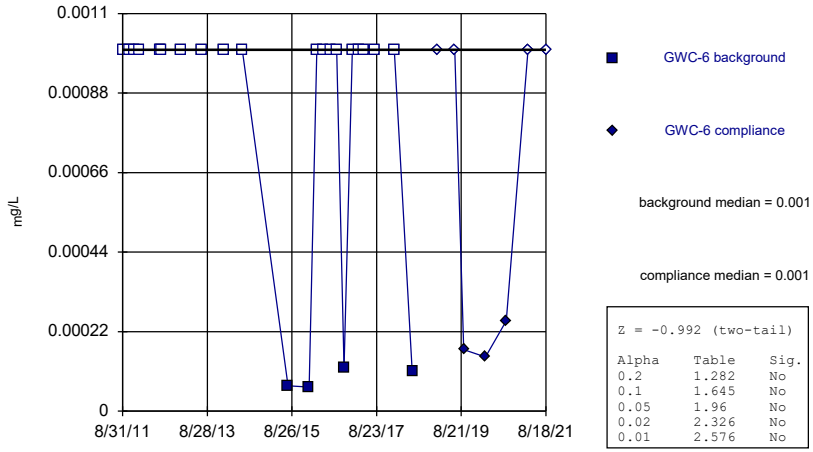
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Thallium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-6



Z = -0.992 (two-tail)

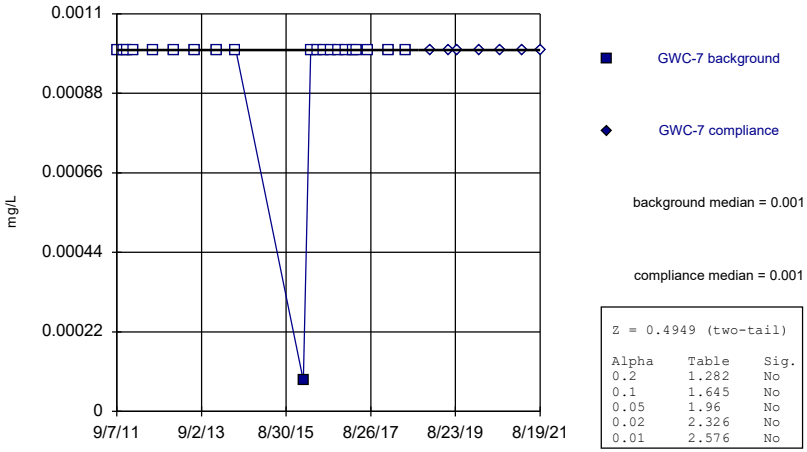
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Thallium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-7



Z = 0.4949 (two-tail)

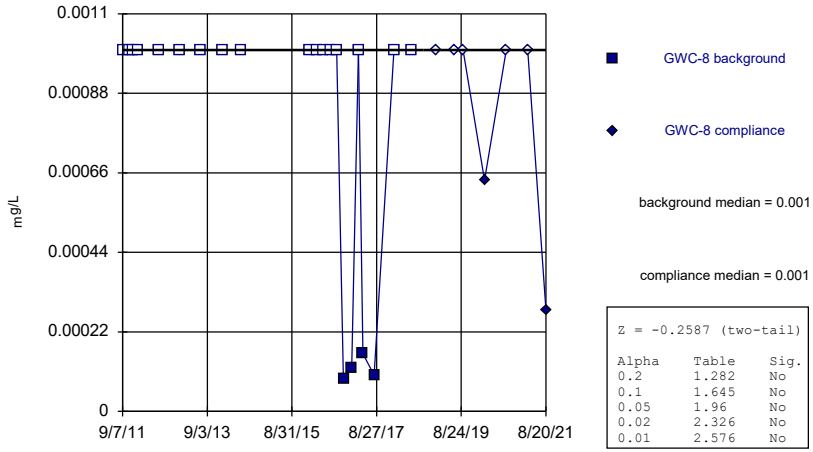
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Thallium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-8



Z = -0.2587 (two-tail)

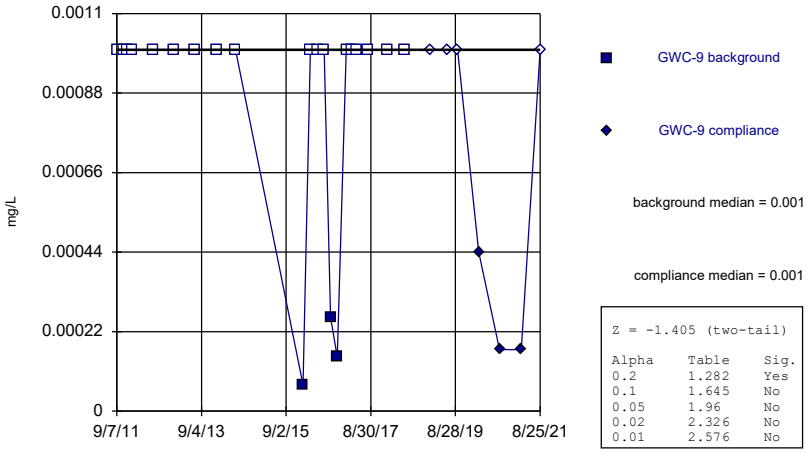
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Thallium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-9



Z = -1.405 (two-tail)

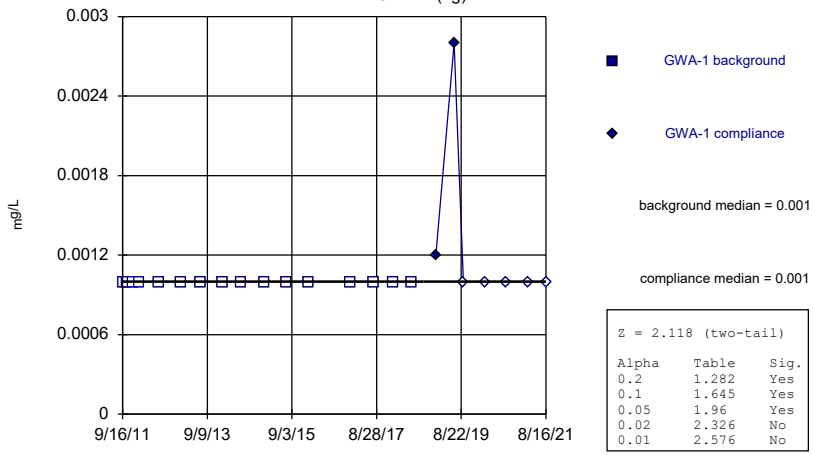
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Thallium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-1 (bg)



Z = 2.118 (two-tail)

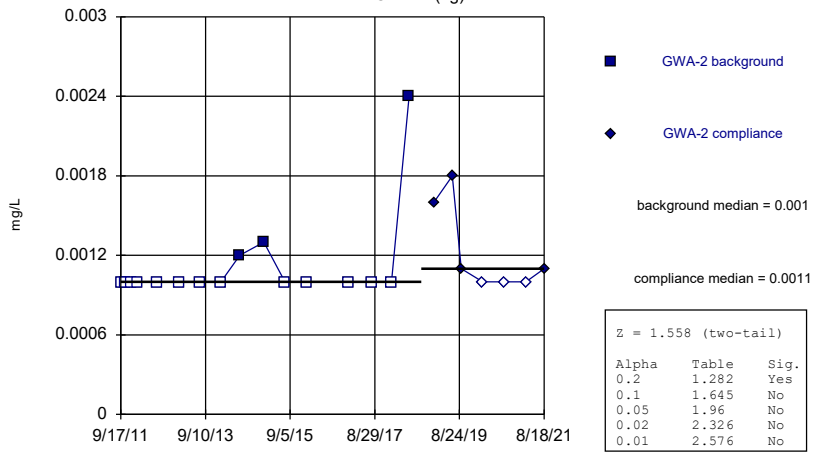
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-2 (bg)



Z = 1.558 (two-tail)

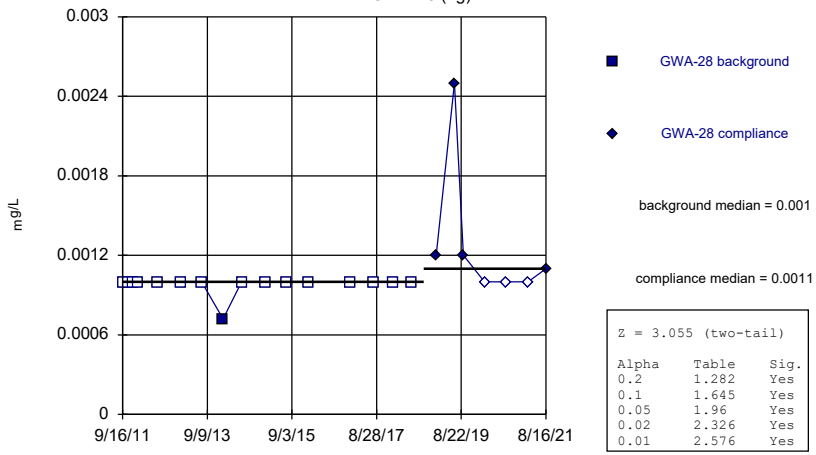
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-28 (bg)



Z = 3.055 (two-tail)

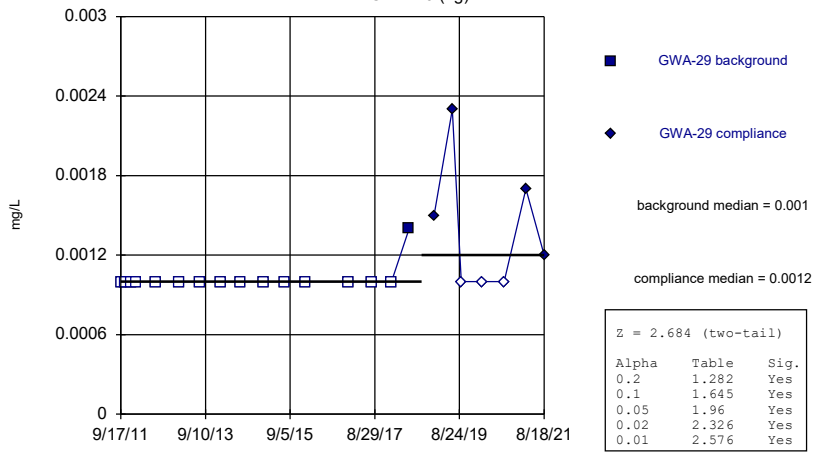
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Vanadium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-29 (bg)



Z = 2.684 (two-tail)

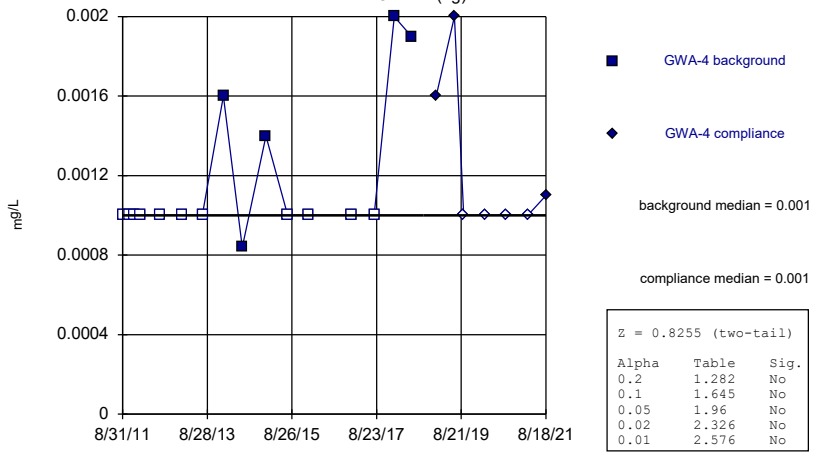
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Vanadium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-4 (bg)



Z = 0.8255 (two-tail)

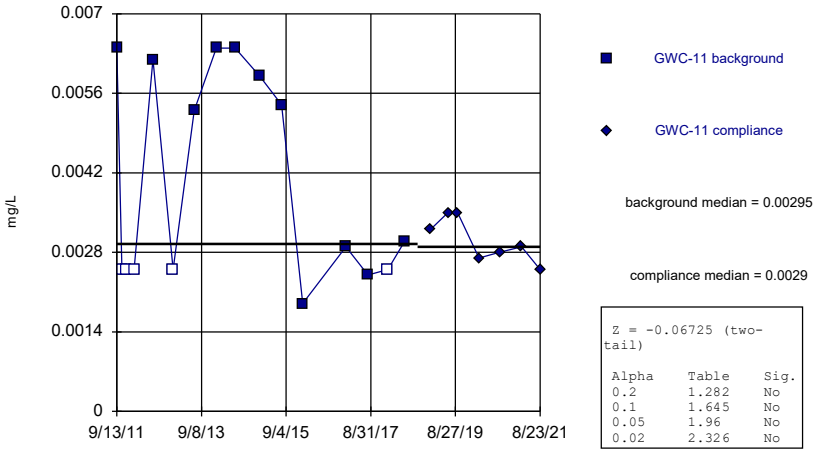
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-11



Z = -0.06725 (two-tail)

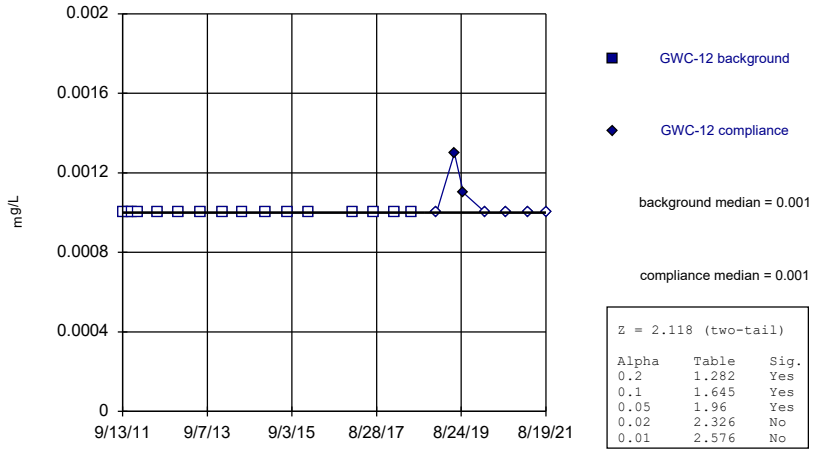
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No

Constituent: Vanadium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-12



Z = 2.118 (two-tail)

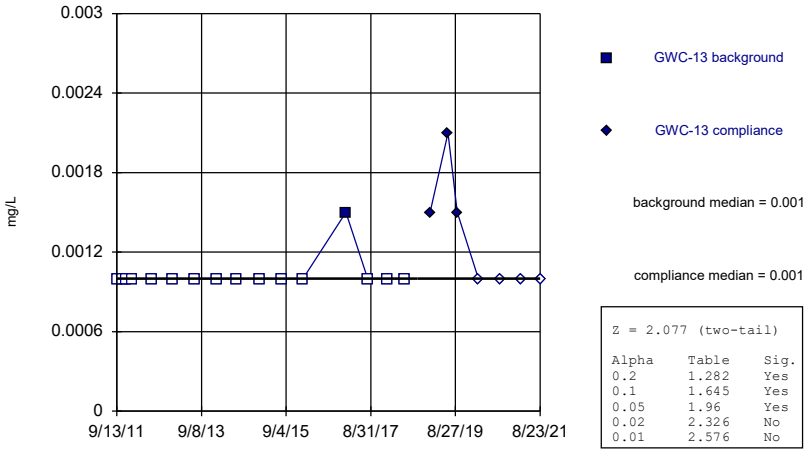
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-13



Z = 2.077 (two-tail)

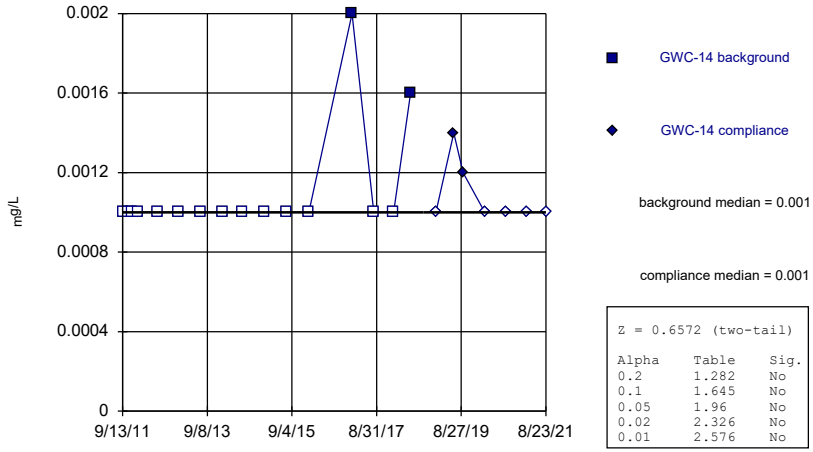
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-14



Z = 0.6572 (two-tail)

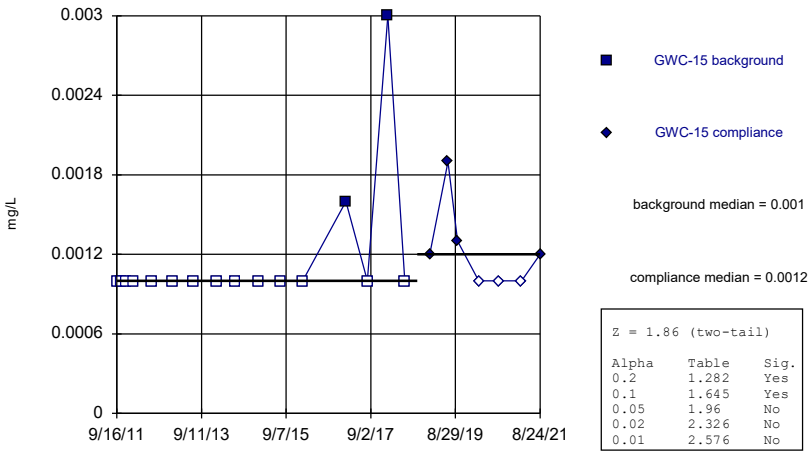
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-15



Z = 1.86 (two-tail)

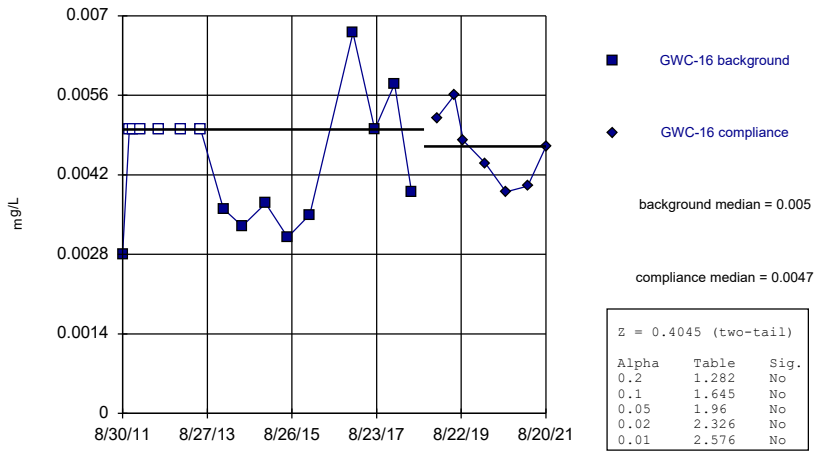
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-16



Z = 0.4045 (two-tail)

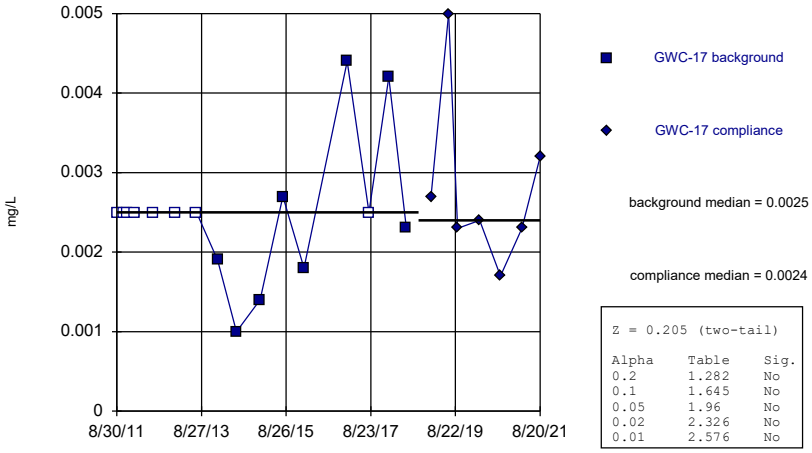
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-17



Z = 0.205 (two-tail)

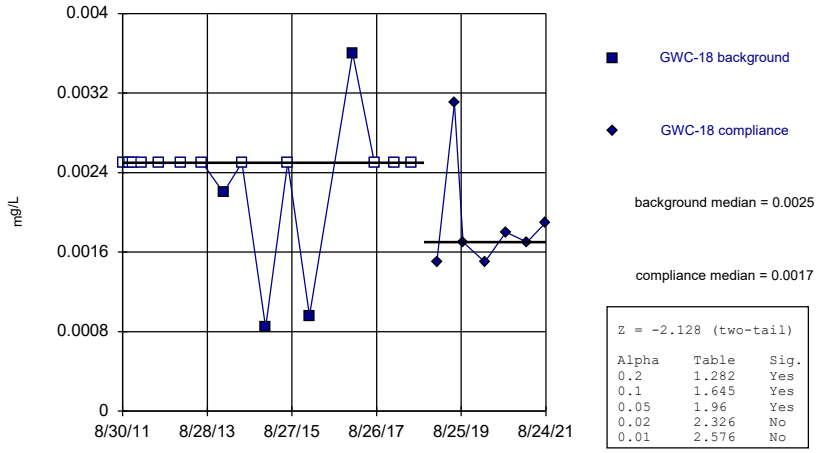
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-18



Z = -2.128 (two-tail)

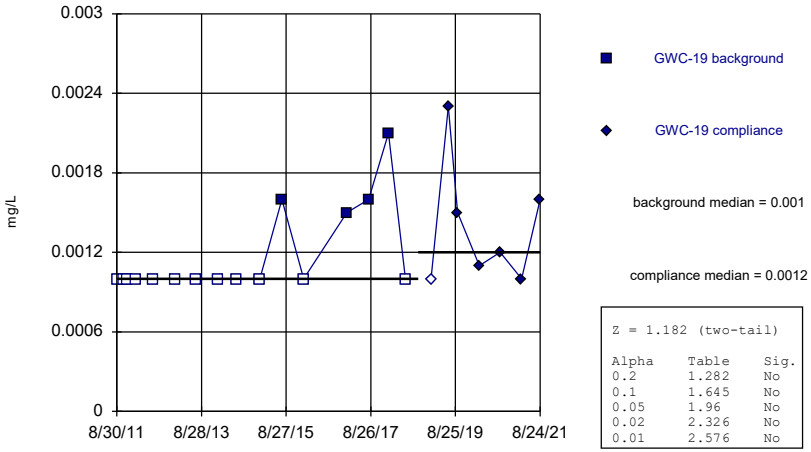
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-19



Z = 1.182 (two-tail)

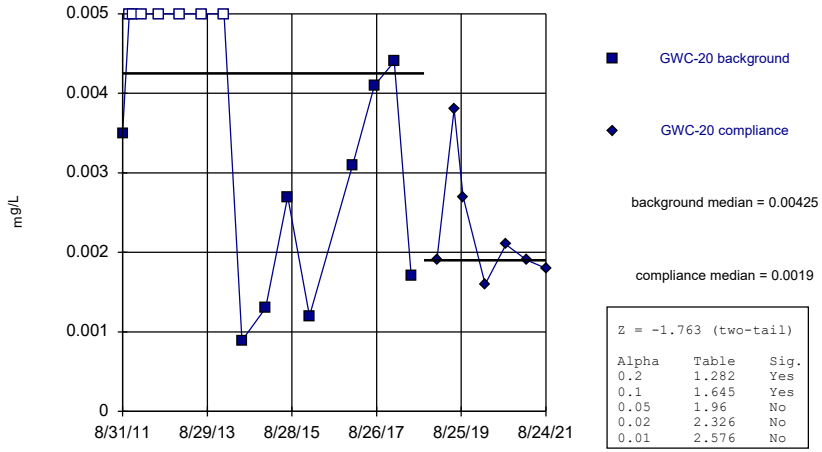
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-20



Z = -1.763 (two-tail)

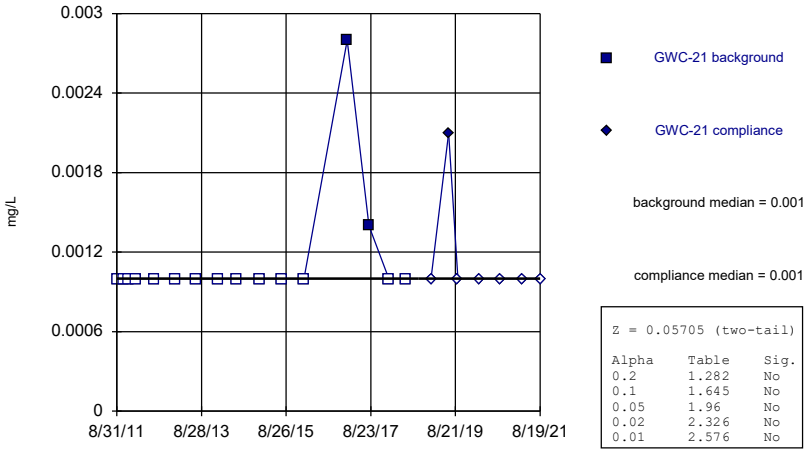
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-21



Z = 0.05705 (two-tail)

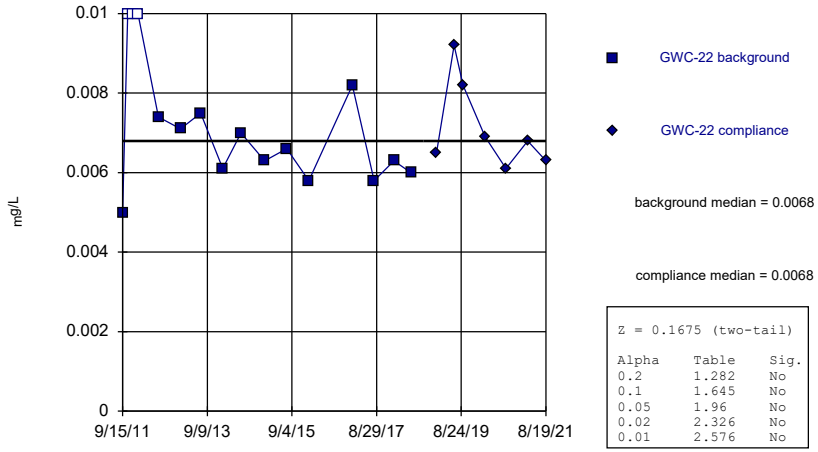
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-22



Z = 0.1675 (two-tail)

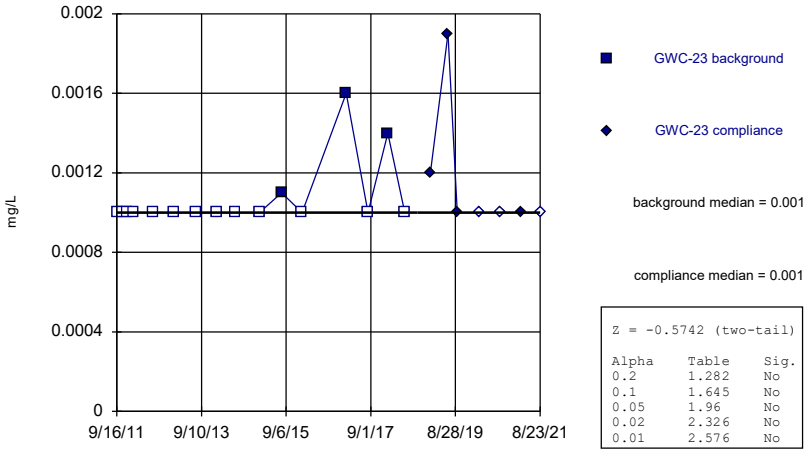
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-23



Z = -0.5742 (two-tail)

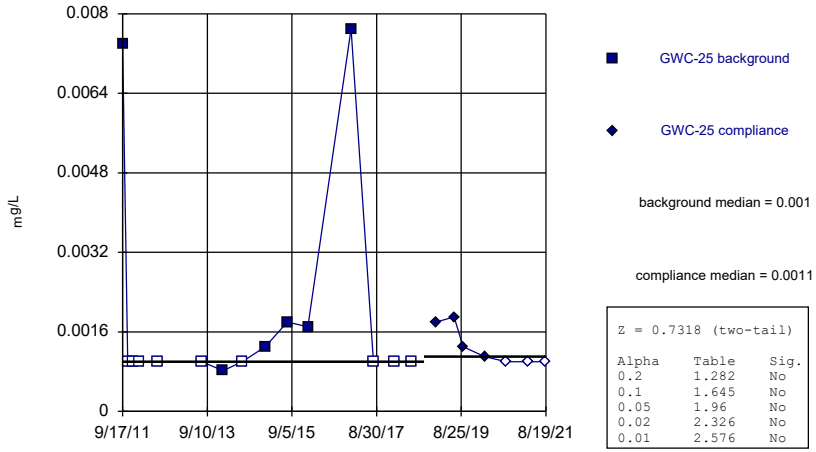
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-25



Z = 0.7318 (two-tail)

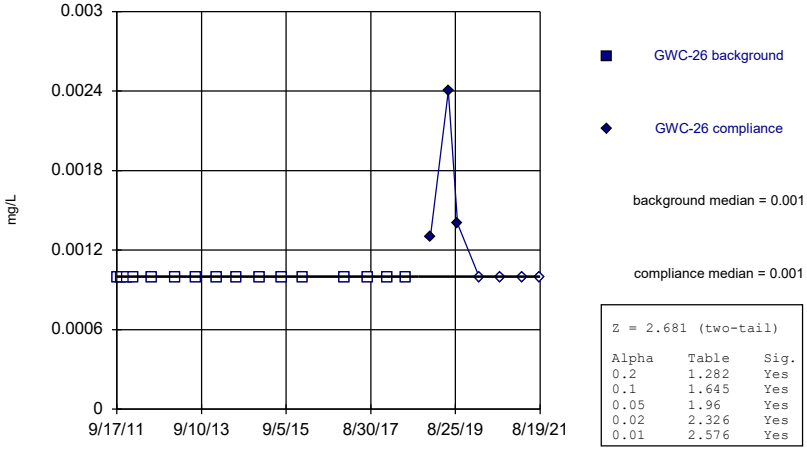
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-26



Z = 2.681 (two-tail)

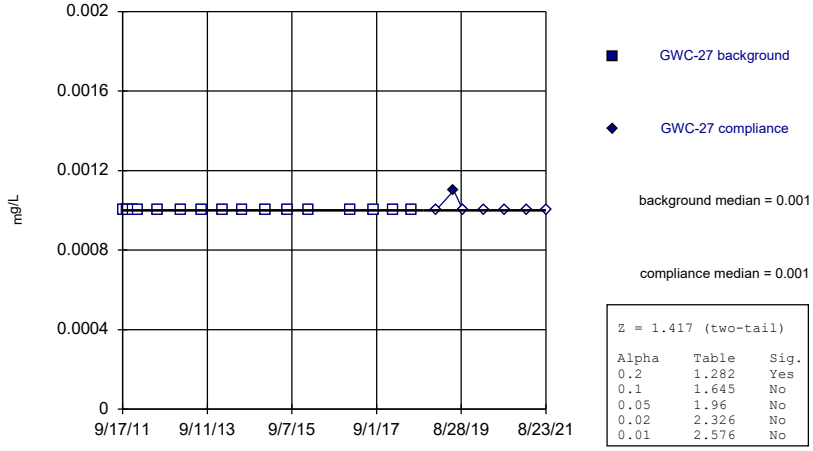
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Vanadium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-27



Z = 1.417 (two-tail)

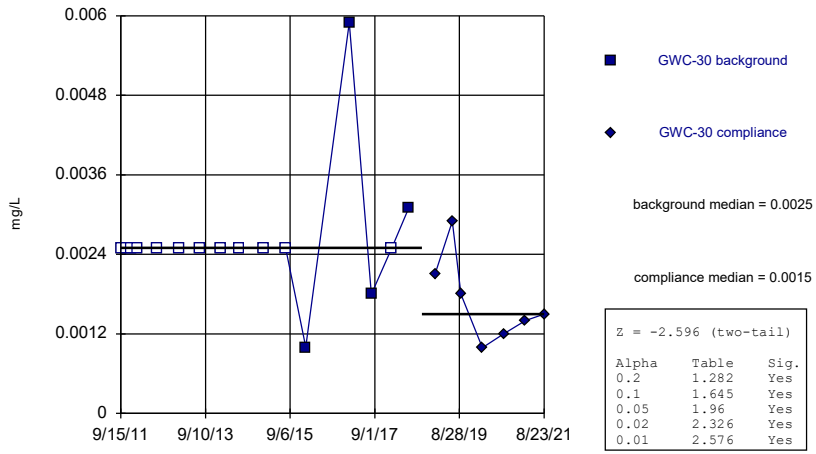
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-30



Z = -2.596 (two-tail)

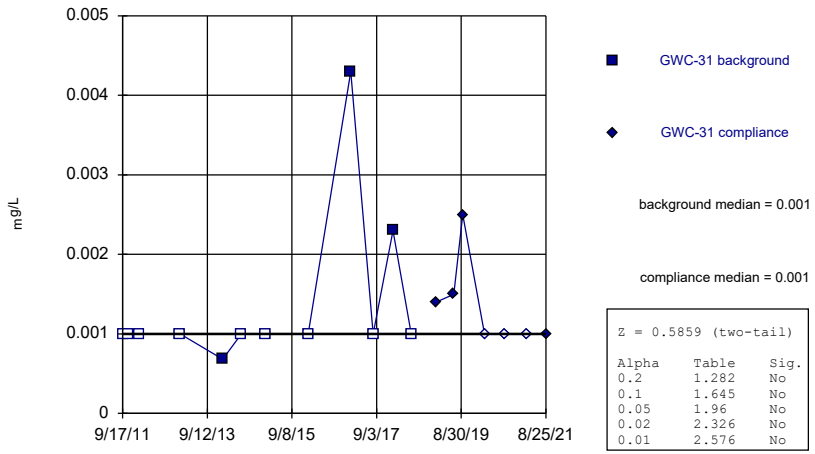
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Vanadium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-31



Z = 0.5859 (two-tail)

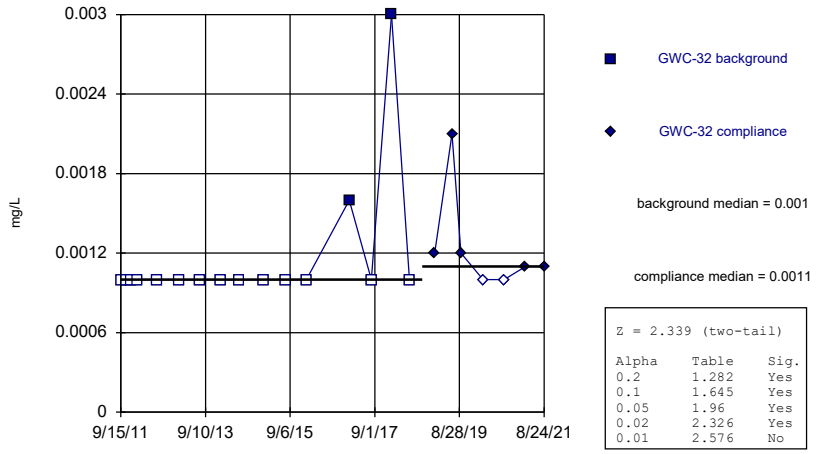
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-32



Z = 2.339 (two-tail)

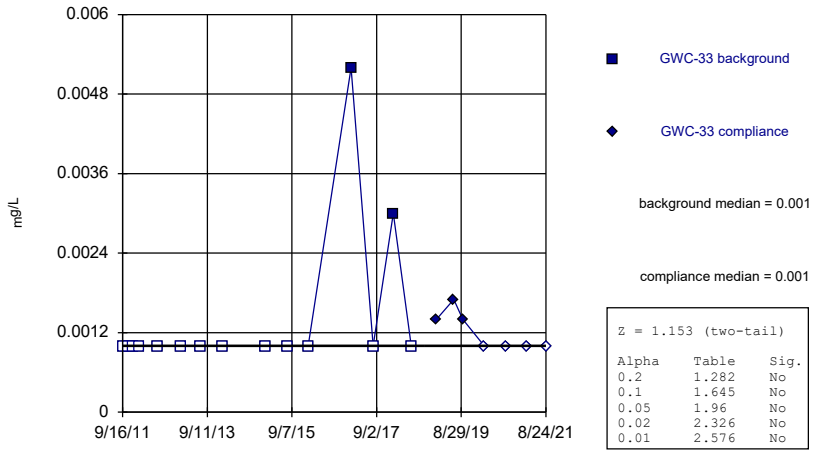
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	No

Constituent: Vanadium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-33



Z = 1.153 (two-tail)

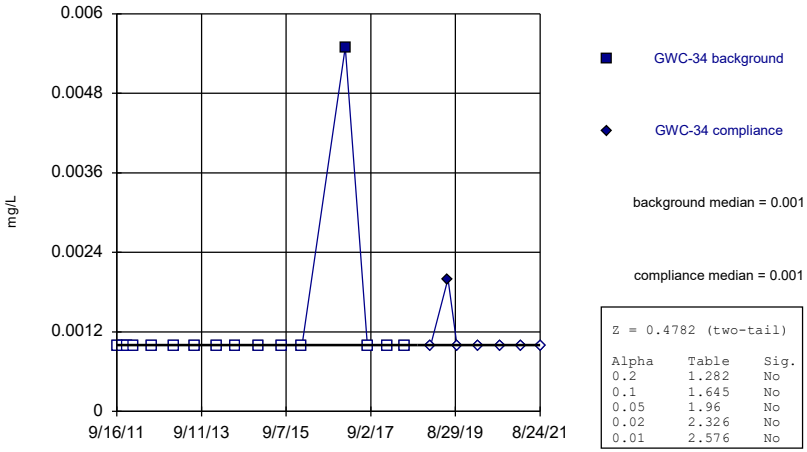
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-34



Z = 0.4782 (two-tail)

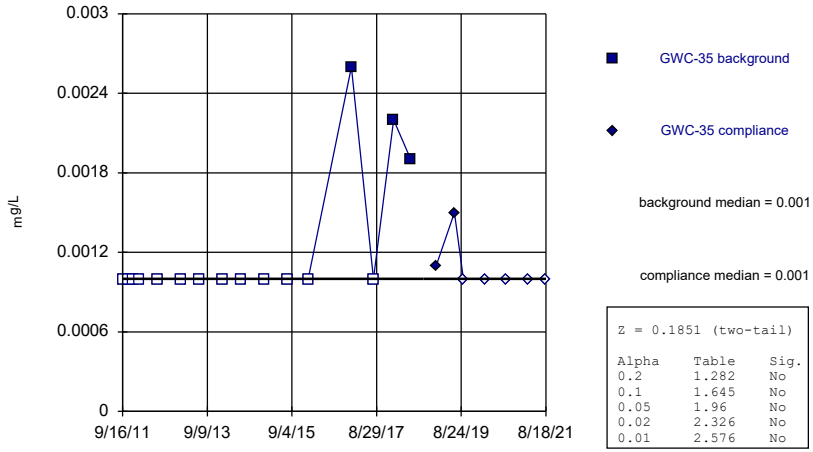
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-35



Z = 0.1851 (two-tail)

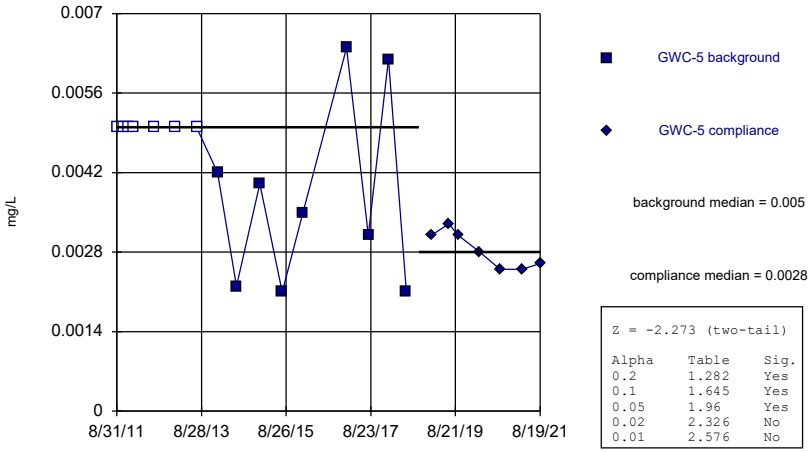
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-5



Z = -2.273 (two-tail)

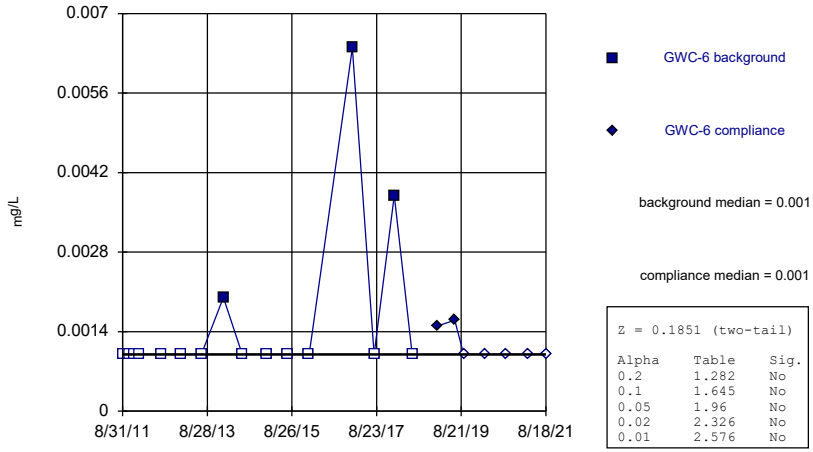
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-6



Z = 0.1851 (two-tail)

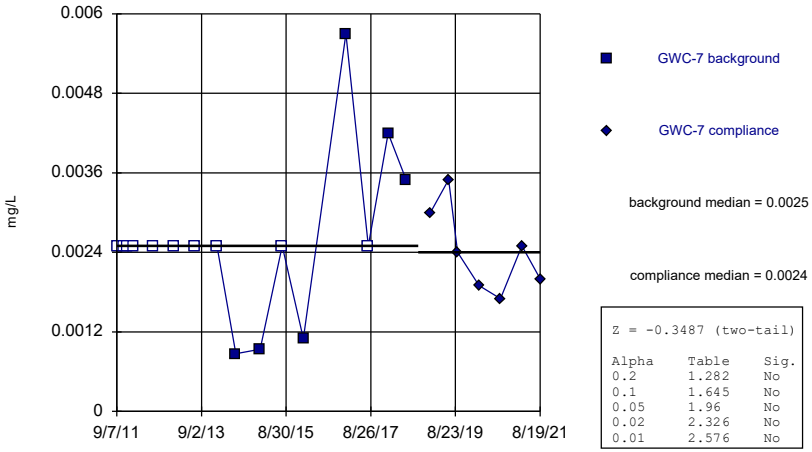
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-7



Z = -0.3487 (two-tail)

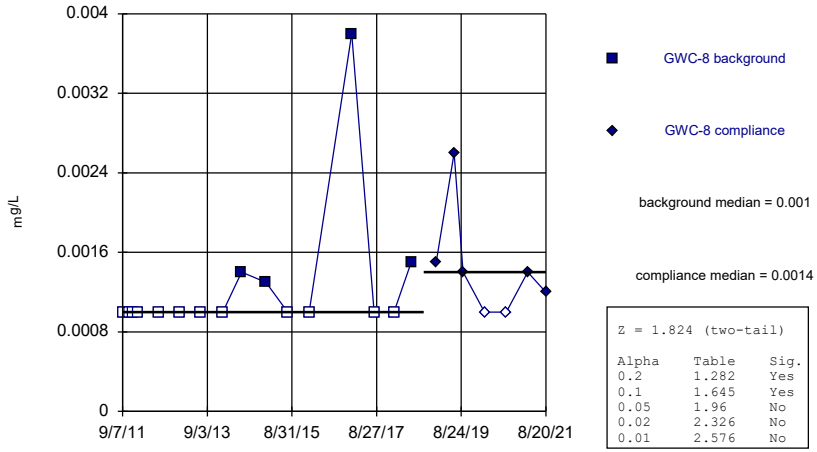
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-8



Z = 1.824 (two-tail)

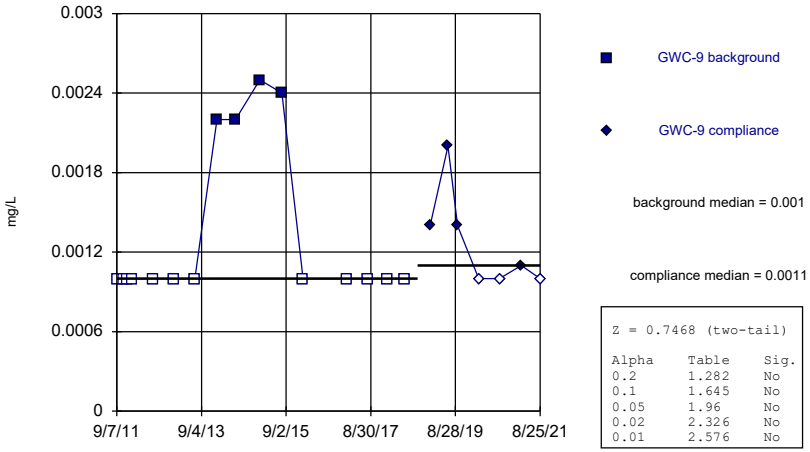
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-9



Z = 0.7468 (two-tail)

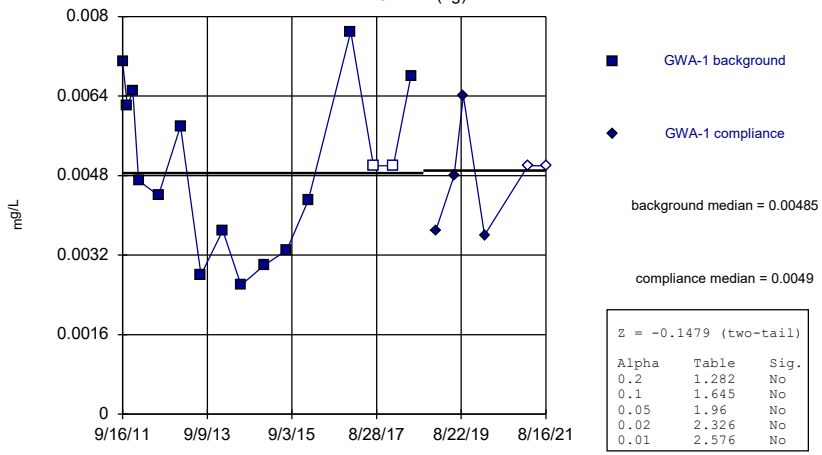
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Vanadium Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-1 (bg)



Z = -0.1479 (two-tail)

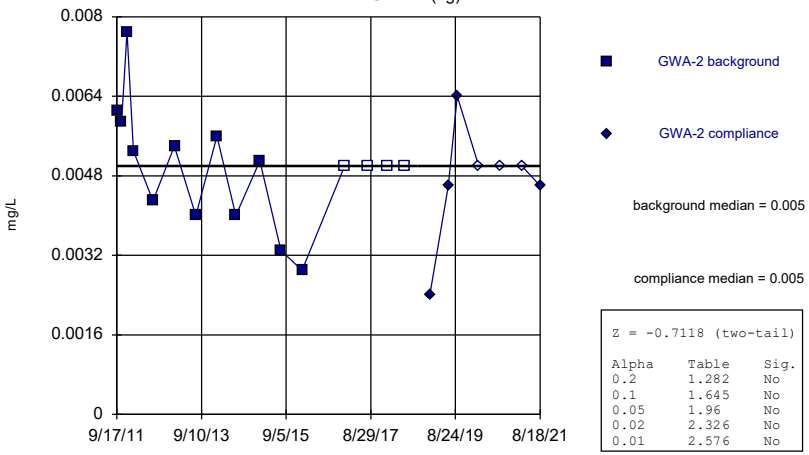
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-2 (bg)



Z = -0.7118 (two-tail)

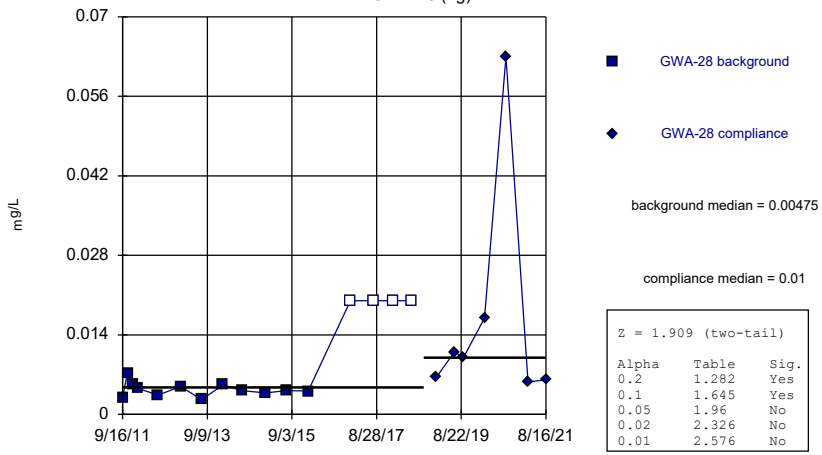
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-28 (bg)



Z = 1.909 (two-tail)

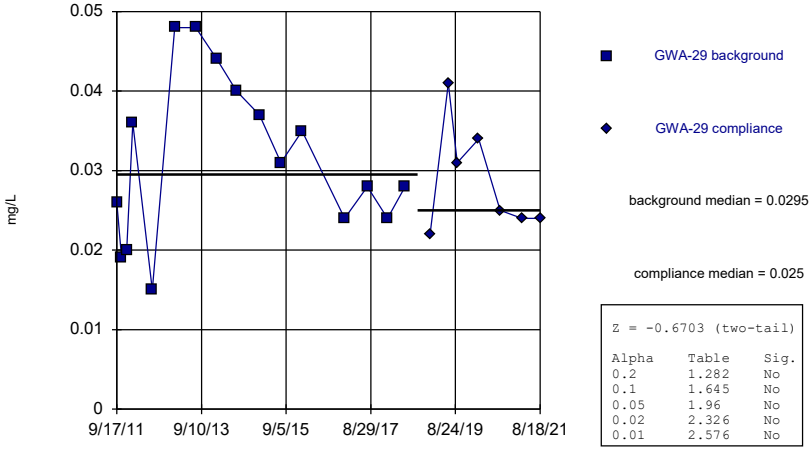
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWA-29 (bg)



Z = -0.6703 (two-tail)

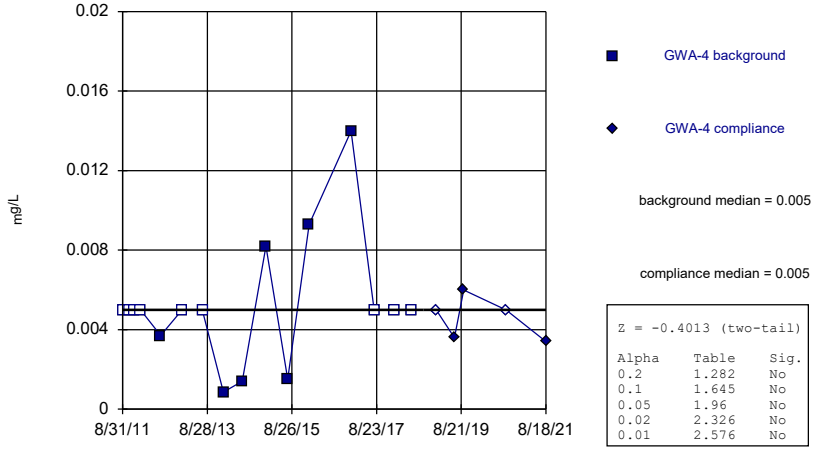
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-4 (bg)



Z = -0.4013 (two-tail)

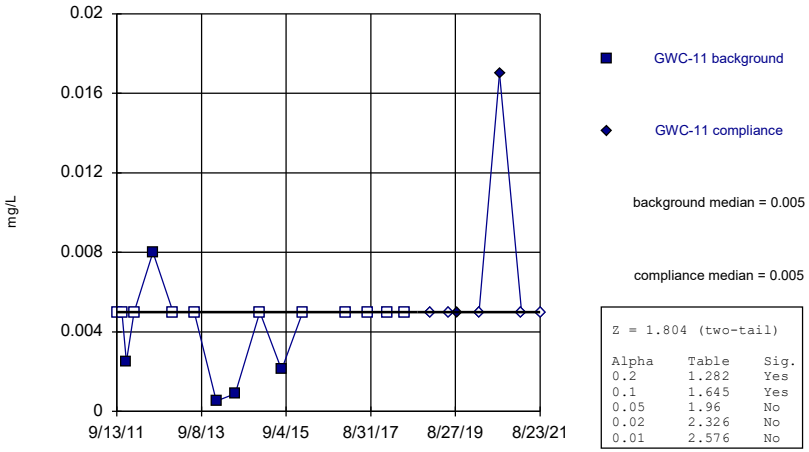
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-11



Z = 1.804 (two-tail)

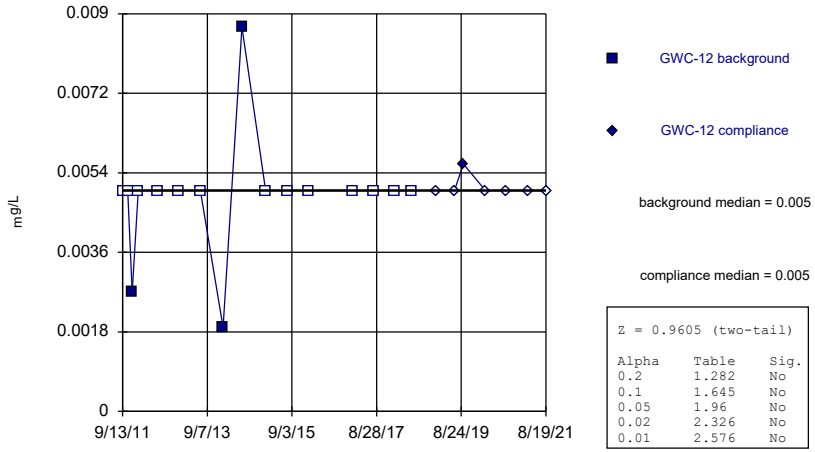
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-12



Z = 0.9605 (two-tail)

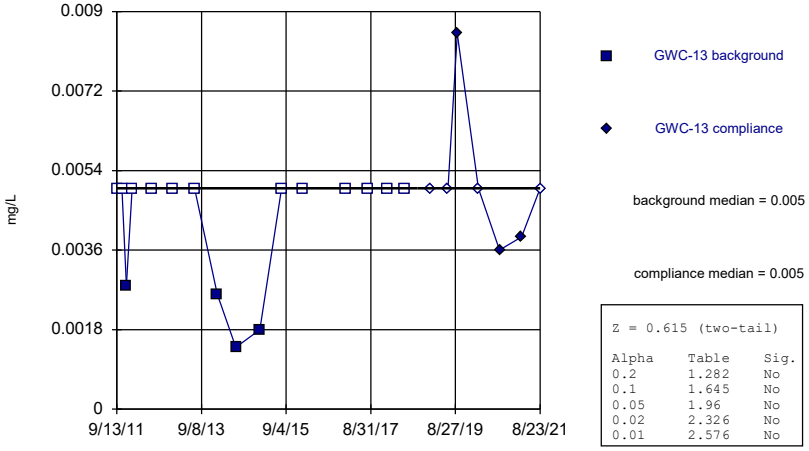
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-13



Z = 0.615 (two-tail)

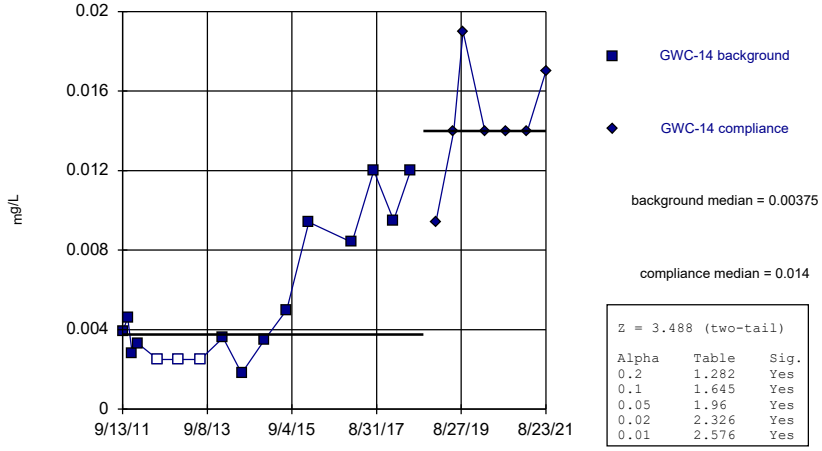
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-14



Z = 3.488 (two-tail)

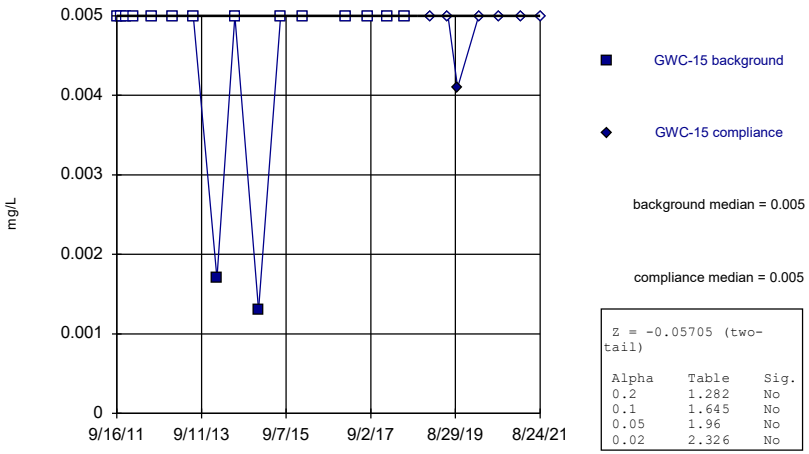
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Zinc Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-15



Z = -0.05705 (two-tail)

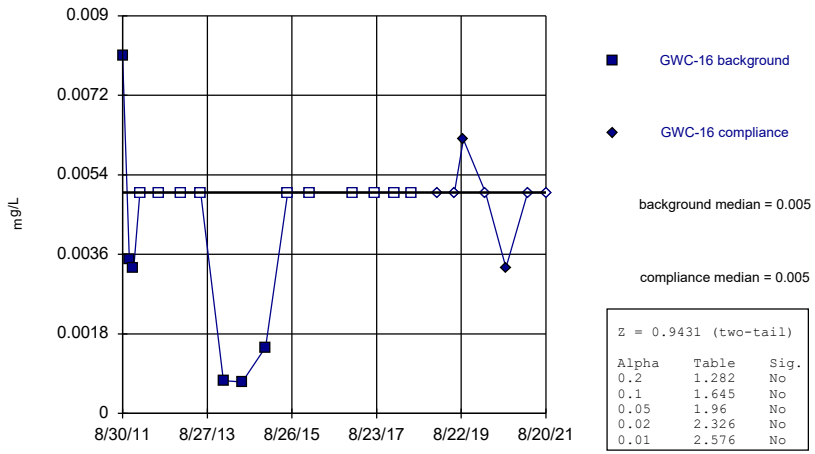
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No

Constituent: Zinc Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-16



Z = 0.9431 (two-tail)

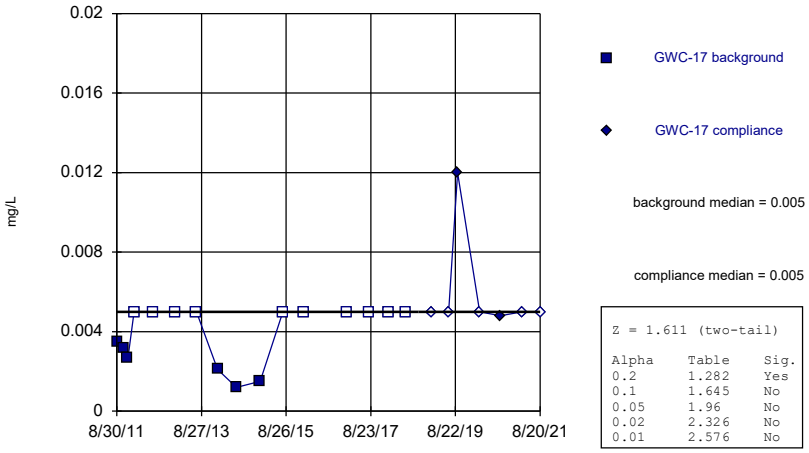
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-17



Z = 1.611 (two-tail)

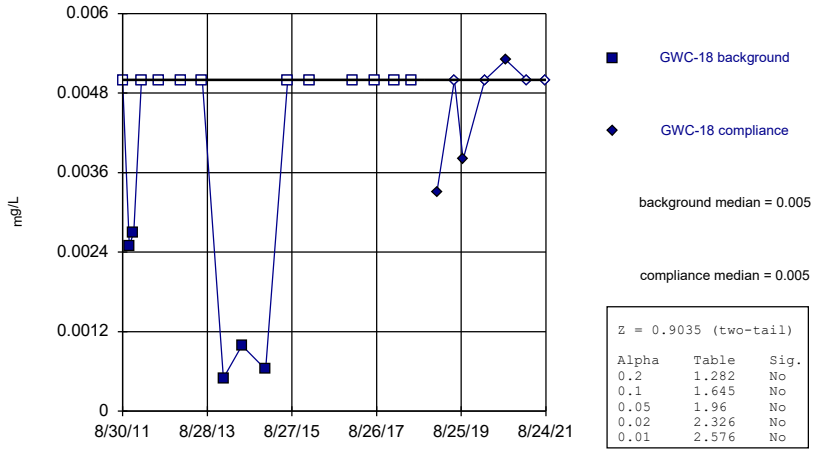
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-18



Z = 0.9035 (two-tail)

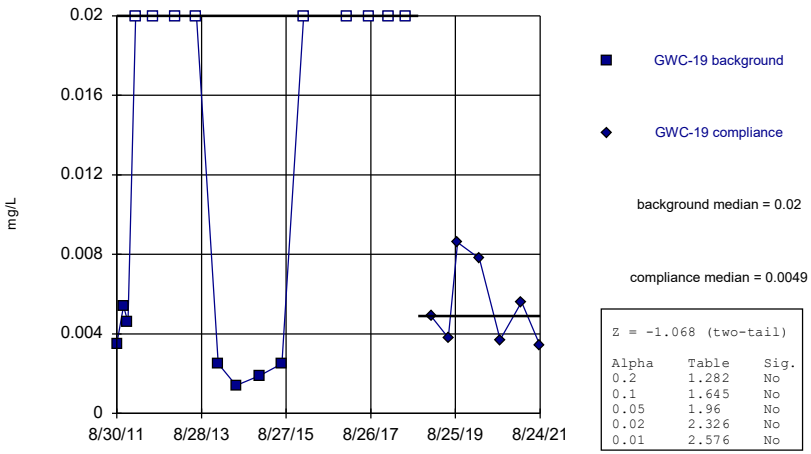
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-19



Z = -1.068 (two-tail)

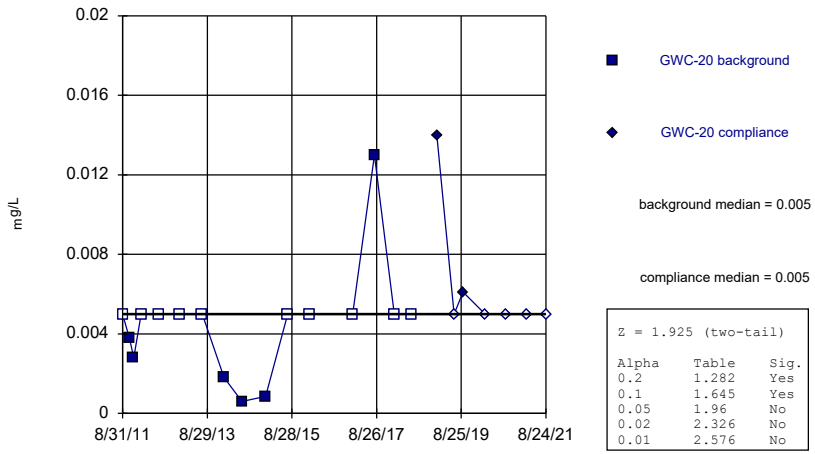
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-20



Z = 1.925 (two-tail)

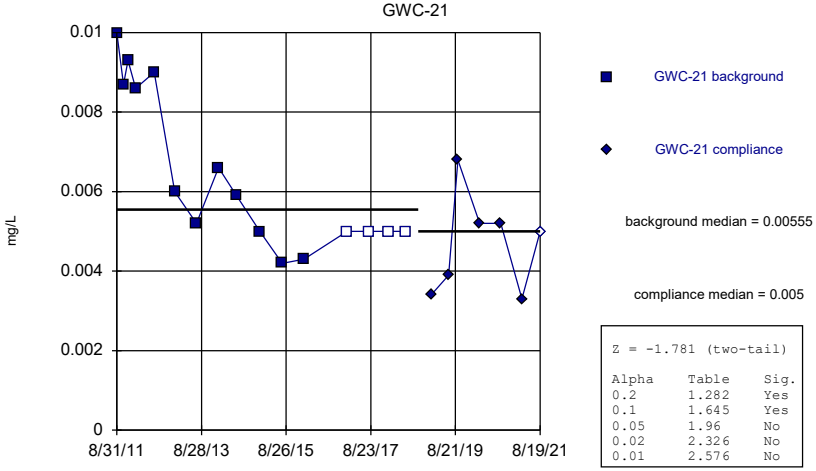
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-21



Z = -1.781 (two-tail)

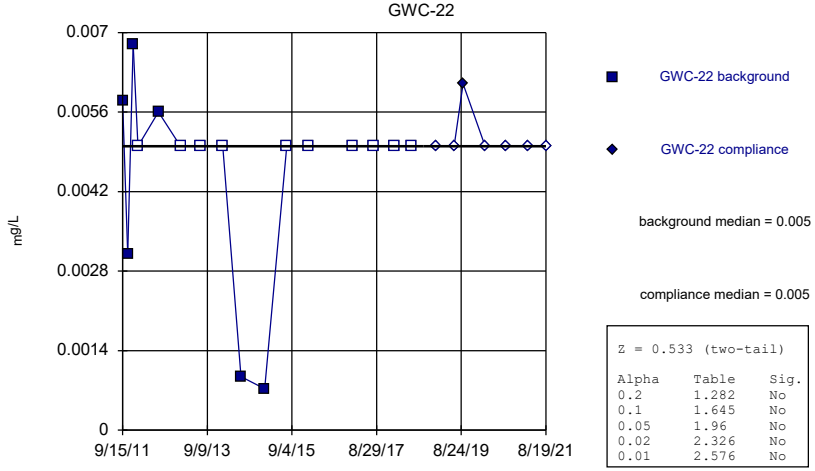
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-22



Z = 0.533 (two-tail)

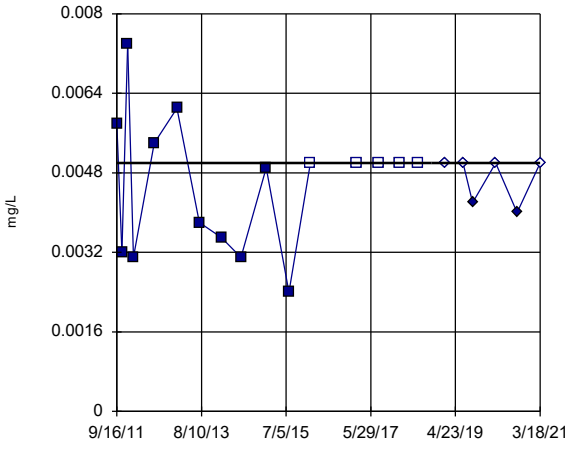
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-23



GWC-23 background

GWC-23 compliance

background median = 0.005

compliance median = 0.005

Z = 0.1146 (two-tail)

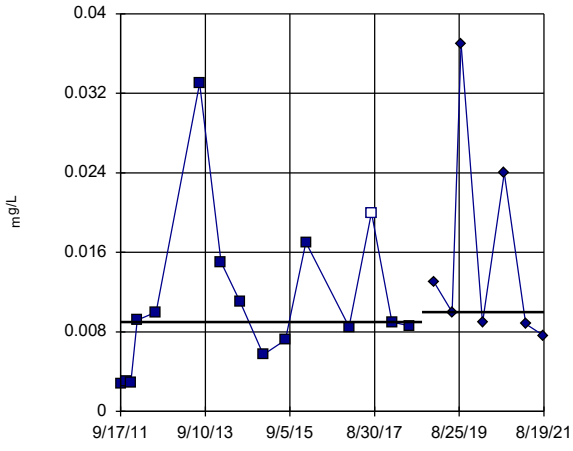
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-25



GWC-25 background

GWC-25 compliance

background median = 0.009

compliance median = 0.01

Z = 1.093 (two-tail)

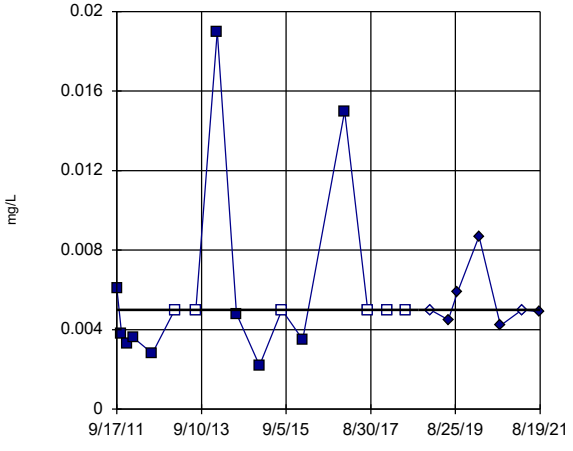
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-26



GWC-26 background

GWC-26 compliance

background median = 0.005

compliance median = 0.005

Z = 0.6483 (two-tail)

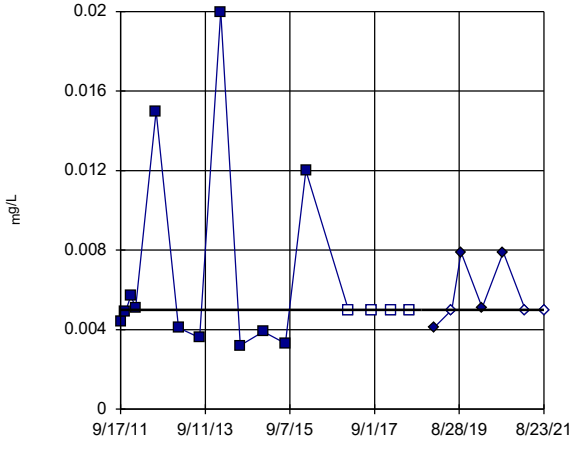
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-27



GWC-27 background

GWC-27 compliance

background median = 0.005

compliance median = 0.005

Z = 0.8476 (two-tail)

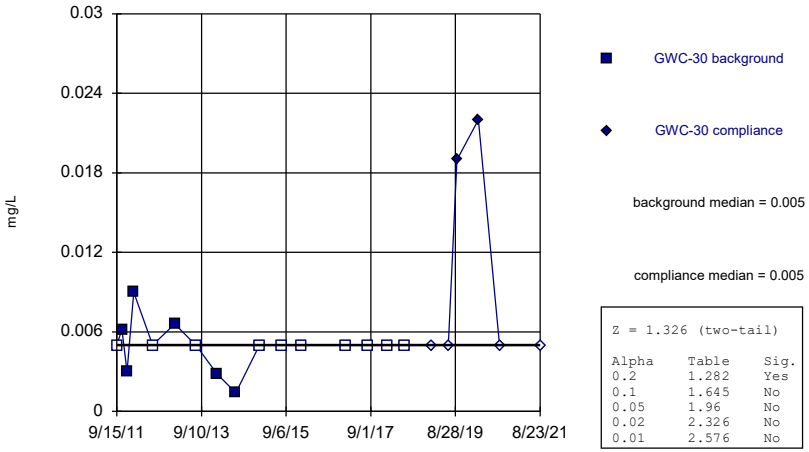
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 5/14/2022 11:23 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-30



background median = 0.005

compliance median = 0.005

Z = 1.326 (two-tail)

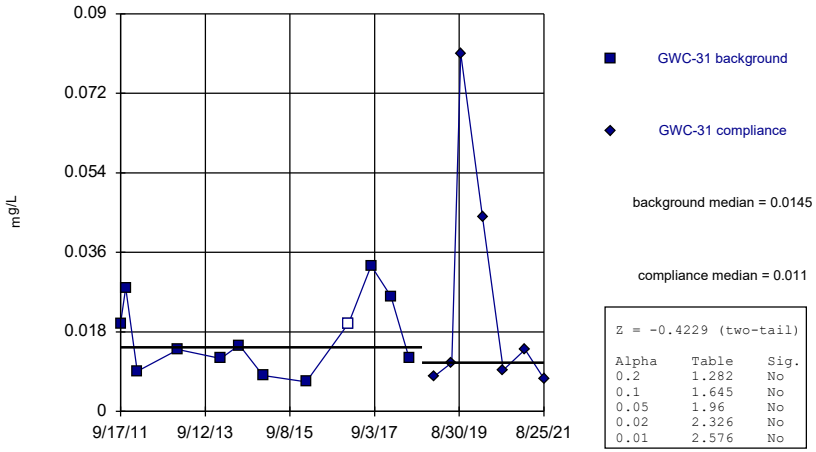
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 5/14/2022 11:24 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-31



background median = 0.0145

compliance median = 0.011

Z = -0.4229 (two-tail)

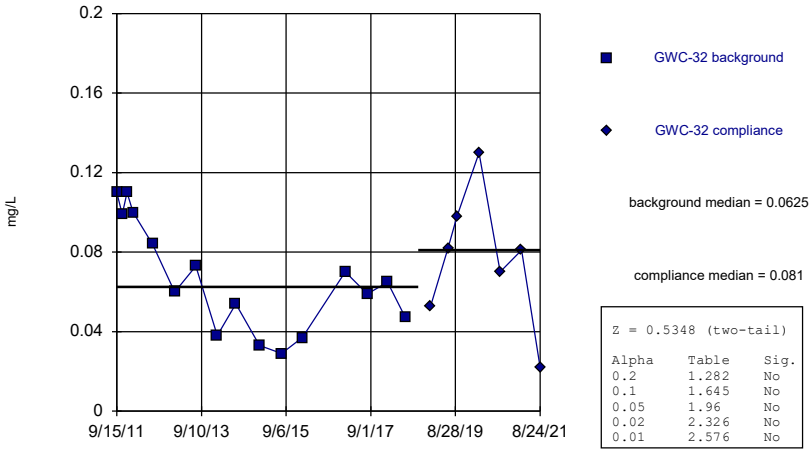
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 5/14/2022 11:24 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-32



background median = 0.0625

compliance median = 0.081

Z = 0.5348 (two-tail)

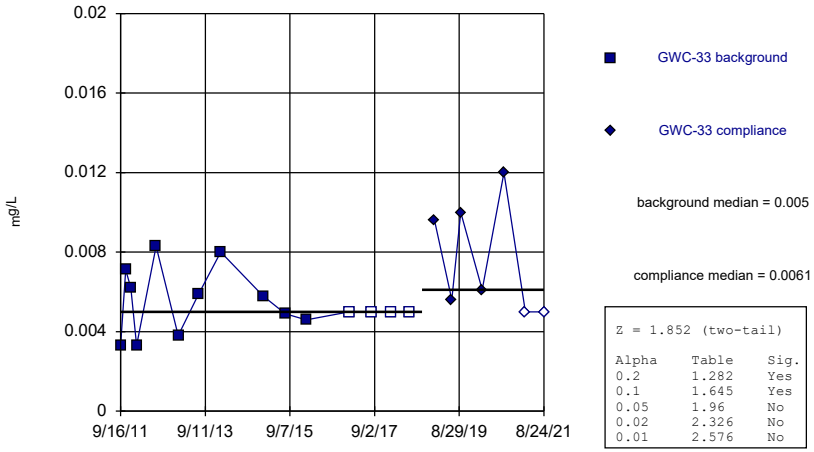
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 5/14/2022 11:24 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-33



background median = 0.005

compliance median = 0.0061

Z = 1.852 (two-tail)

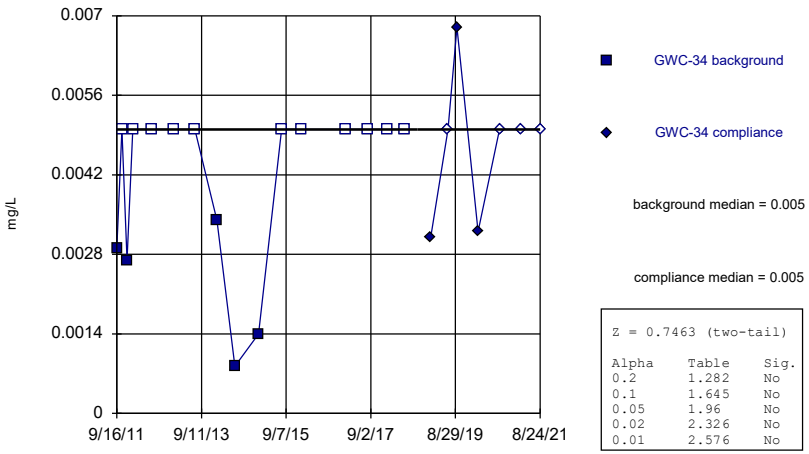
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 5/14/2022 11:24 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-34



Z = 0.7463 (two-tail)

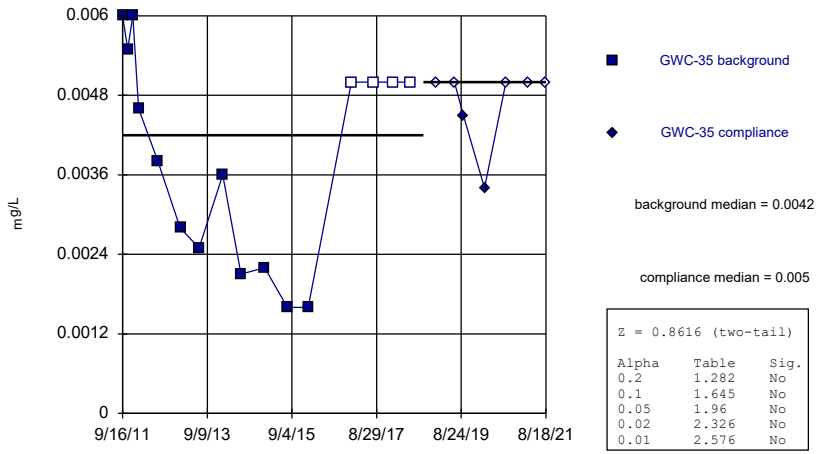
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 5/14/2022 11:24 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-35



Z = 0.8616 (two-tail)

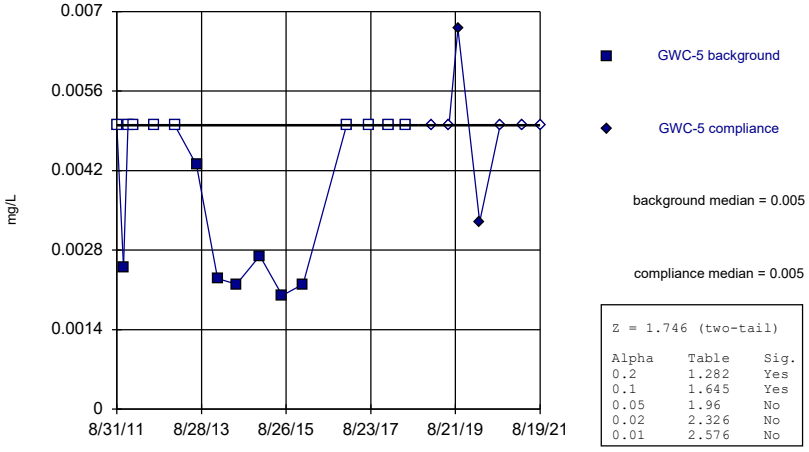
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 5/14/2022 11:24 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-5



Z = 1.746 (two-tail)

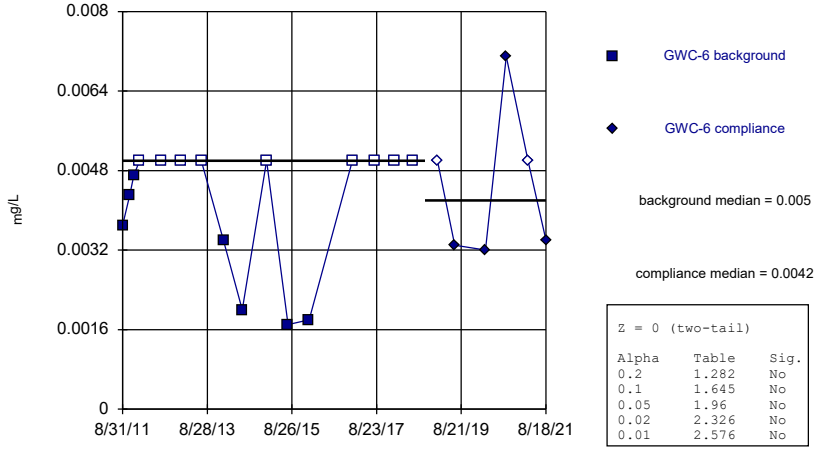
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 5/14/2022 11:24 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-6



Z = 0 (two-tail)

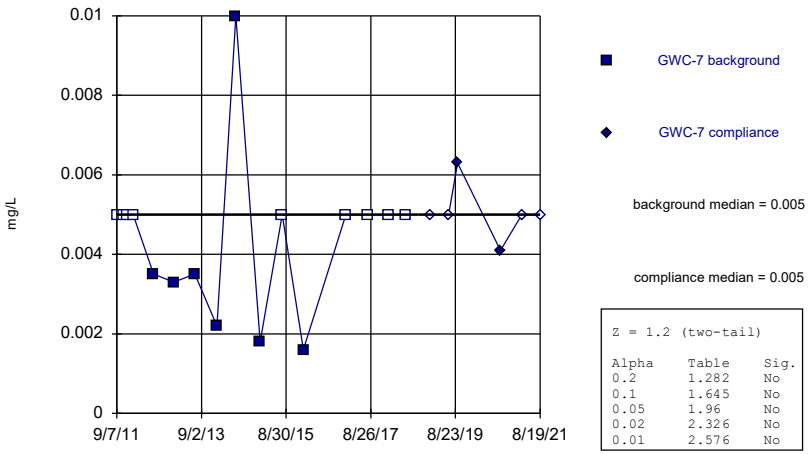
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 5/14/2022 11:24 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-7



Z = 1.2 (two-tail)

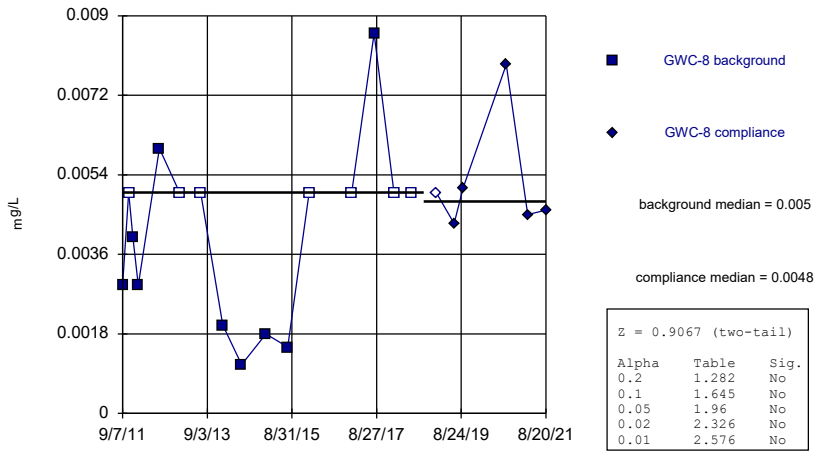
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 5/14/2022 11:24 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-8



Z = 0.9067 (two-tail)

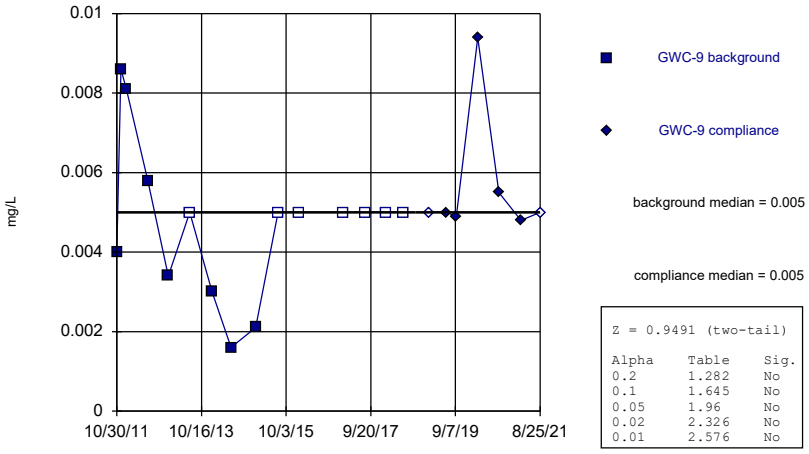
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 5/14/2022 11:24 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-9



Z = 0.9491 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Zinc Analysis Run 5/14/2022 11:24 AM View: Mann Whitney Appendix I
Plant Wansley Client: Southern Company Data: Wansley Landfill

FIGURE E.

Mann-Whitney Summary Appendix III - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 12:02 PM

Constituent	Well	Calc.	0.01	Sig.	Method
pH, Field (S.U.)	**GWA-29 (bg)**	**-2.933**	**Yes**	**Yes**	**Mann-W**
pH, Field (S.U.)	**GWA-3 (bg)**	**-2.633**	**Yes**	**Yes**	**Mann-W**
pH, Field (S.U.)	**GWC-24**	**-2.709**	**Yes**	**Yes**	**Mann-W**
Sulfate as SO4 (mg/L)	**GWC-10**	**-2.656**	**Yes**	**Yes**	**Mann-W**
Sulfate as SO4 (mg/L)	**GWC-12**	**2.717**	**Yes**	**Yes**	**Mann-W**
Sulfate as SO4 (mg/L)	**GWC-33**	**-2.767**	**Yes**	**Yes**	**Mann-W**
Sulfate as SO4 (mg/L)	**GWC-7**	**-2.981**	**Yes**	**Yes**	**Mann-W**
Total Dissolved Solids [TDS] (mg/L)	**GWC-18**	**2.705**	**Yes**	**Yes**	**Mann-W**

Mann-Whitney Summary Appendix III - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 12:02 PM

Constituent	Well	Calc.	0.01	Sig.	Method
pH, Field (S.U.)	GWA-1 (bg)	1.702	No	No	Mann-W
pH, Field (S.U.)	GWA-2 (bg)	-2.055	No	No	Mann-W
pH, Field (S.U.)	GWA-28 (bg)	-0.09456	No	No	Mann-W
pH, Field (S.U.)	**GWA-29 (bg)**	**-2.933**	**Yes**	**Yes**	**Mann-W**
pH, Field (S.U.)	**GWA-3 (bg)**	**-2.633**	**Yes**	**Yes**	**Mann-W**
pH, Field (S.U.)	GWA-4 (bg)	-0.9568	No	No	Mann-W
pH, Field (S.U.)	GWC-10	-1.806	No	No	Mann-W
pH, Field (S.U.)	GWC-11	-1.419	No	No	Mann-W
pH, Field (S.U.)	GWC-12	0.85	No	No	Mann-W
pH, Field (S.U.)	GWC-13	-0.3003	No	No	Mann-W
pH, Field (S.U.)	GWC-14	-0.9925	No	No	Mann-W
pH, Field (S.U.)	GWC-15	-0.5007	No	No	Mann-W
pH, Field (S.U.)	GWC-16	-0.2659	No	No	Mann-W
pH, Field (S.U.)	GWC-17	-0.751	No	No	Mann-W
pH, Field (S.U.)	GWC-18	-1.074	No	No	Mann-W
pH, Field (S.U.)	GWC-19	-2.156	No	No	Mann-W
pH, Field (S.U.)	GWC-20	-0.3723	No	No	Mann-W
pH, Field (S.U.)	GWC-21	-1.751	No	No	Mann-W
pH, Field (S.U.)	GWC-22	1.754	No	No	Mann-W
pH, Field (S.U.)	GWC-23	-0.9008	No	No	Mann-W
pH, Field (S.U.)	**GWC-24**	**-2.709**	**Yes**	**Yes**	**Mann-W**
pH, Field (S.U.)	GWC-25	-0.9799	No	No	Mann-W
pH, Field (S.U.)	GWC-26	-1.607	No	No	Mann-W
pH, Field (S.U.)	GWC-27	-1.609	No	No	Mann-W
pH, Field (S.U.)	GWC-30	-0.7089	No	No	Mann-W
pH, Field (S.U.)	GWC-31	-1.02	No	No	Mann-W
pH, Field (S.U.)	GWC-32	-1.113	No	No	Mann-W
pH, Field (S.U.)	GWC-33	-0.7565	No	No	Mann-W
pH, Field (S.U.)	GWC-34	-1.183	No	No	Mann-W
pH, Field (S.U.)	GWC-35	-1.797	No	No	Mann-W
pH, Field (S.U.)	GWC-5	-0.9521	No	No	Mann-W
pH, Field (S.U.)	GWC-6	-1.253	No	No	Mann-W
pH, Field (S.U.)	GWC-7	0.7513	No	No	Mann-W
pH, Field (S.U.)	GWC-8	-2.11	No	No	Mann-W
pH, Field (S.U.)	GWC-9	-1.755	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWA-1 (bg)	1.594	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWA-2 (bg)	0.8021	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWA-28 (bg)	0.3519	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWA-29 (bg)	-1.914	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWA-3 (bg)	-1.613	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWA-4 (bg)	-0.7078	No	No	Mann-W
Sulfate as SO4 (mg/L)	**GWC-10**	**-2.656**	**Yes**	**Yes**	**Mann-W**
Sulfate as SO4 (mg/L)	GWC-11	-0.8749	No	No	Mann-W
Sulfate as SO4 (mg/L)	**GWC-12**	**2.717**	**Yes**	**Yes**	**Mann-W**
Sulfate as SO4 (mg/L)	GWC-13	-1.01	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-14	-0.1505	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-15	1.007	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-16	-0.6936	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-17	1.481	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-18	-0.2312	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-19	0.5956	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-20	-1.051	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-21	0.6565	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-22	-0.3466	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-23	1.226	No	No	Mann-W

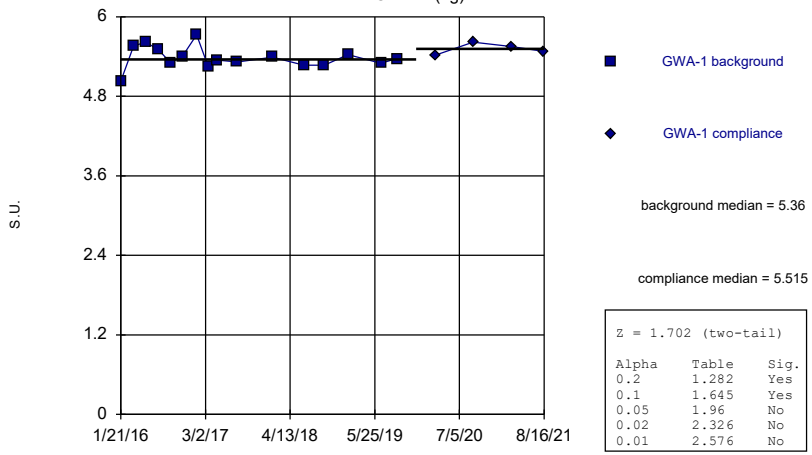
Mann-Whitney Summary Appendix III - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 12:02 PM

Constituent	Well	Calc.	0.01	Sig.	Method
Sulfate as SO4 (mg/L)	GWC-24	-0.4622	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-25	-1.251	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-26	0	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-27	0.2501	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-30	-0.7142	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-31	-1.634	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-32	-1.254	No	No	Mann-W
Sulfate as SO4 (mg/L)	**GWC-33**	**-2.767**	**Yes**	**Yes**	**Mann-W**
Sulfate as SO4 (mg/L)	GWC-34	-1.01	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-35	-0.7062	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-5	-0.6866	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-6	0.7022	No	No	Mann-W
Sulfate as SO4 (mg/L)	**GWC-7**	**-2.981**	**Yes**	**Yes**	**Mann-W**
Sulfate as SO4 (mg/L)	GWC-8	-0.05324	No	No	Mann-W
Sulfate as SO4 (mg/L)	GWC-9	-2.004	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-1 (bg)	-0.5092	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-2 (bg)	0.7015	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-28 (bg)	-1.453	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-29 (bg)	-1.541	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-3 (bg)	-0.1717	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWA-4 (bg)	-0.05029	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-10	-1.302	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-11	-0.5007	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-12	2.306	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-13	-0.0502	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-14	1.451	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-15	0.902	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-16	1.052	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-17	-0.1006	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	**GWC-18**	**2.705**	**Yes**	**Yes**	**Mann-W**
Total Dissolved Solids [TDS] (mg/L)	GWC-19	0.1501	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-20	-0.1004	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-21	1.956	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-22	-0.4538	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-23	-0.4504	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-24	-0.2518	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-25	-1.554	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-26	0.1502	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-27	-0.2508	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-30	0.6506	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-31	-0.9965	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-32	0.8014	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-33	-0.2027	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-34	-0.2503	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-35	0.7503	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-5	1.307	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-6	0.758	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-7	-2.411	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-8	-1.002	No	No	Mann-W
Total Dissolved Solids [TDS] (mg/L)	GWC-9	-1.761	No	No	Mann-W

Mann-Whitney (Wilcoxon Rank Sum)

GWA-1 (bg)

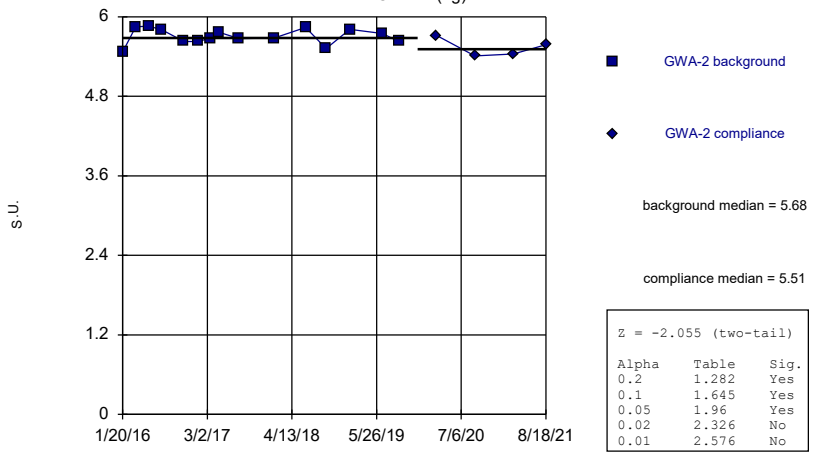


Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWA-2 (bg)

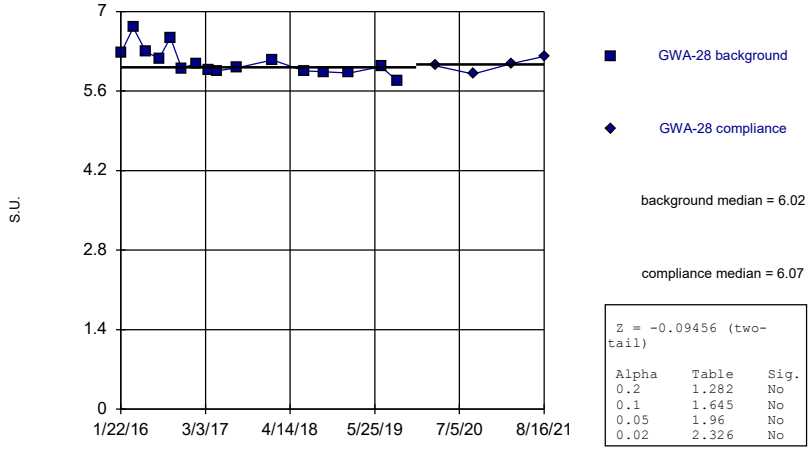


Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWA-28 (bg)

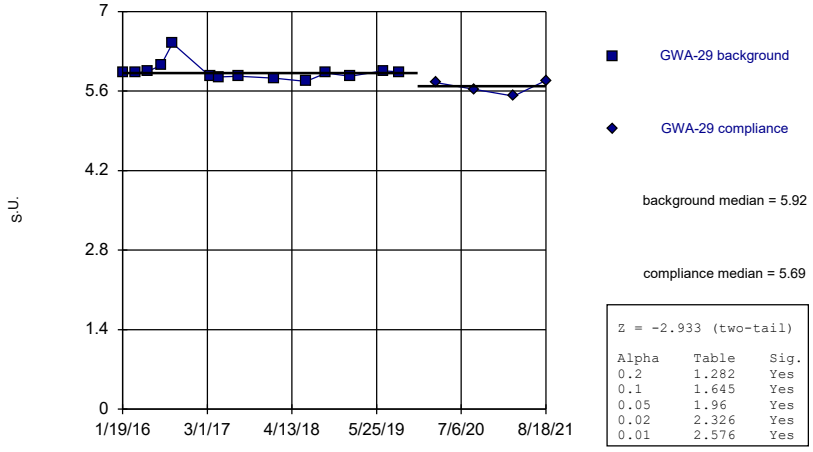


Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

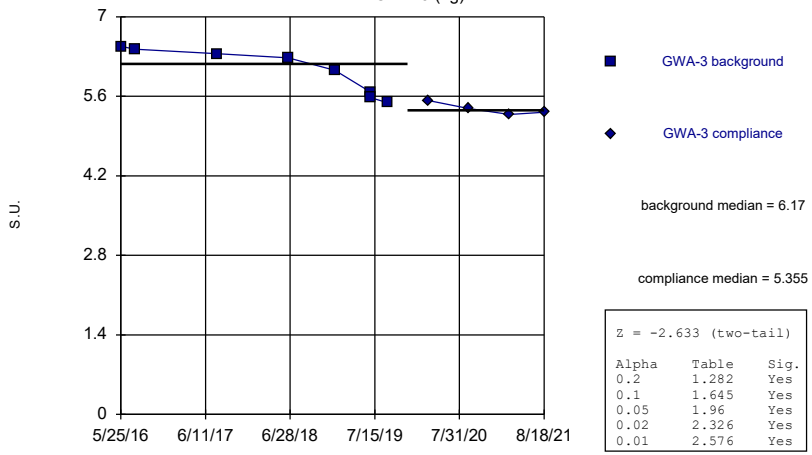
GWA-29 (bg)



Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Mann-Whitney (Wilcoxon Rank Sum)

GWA-3 (bg)

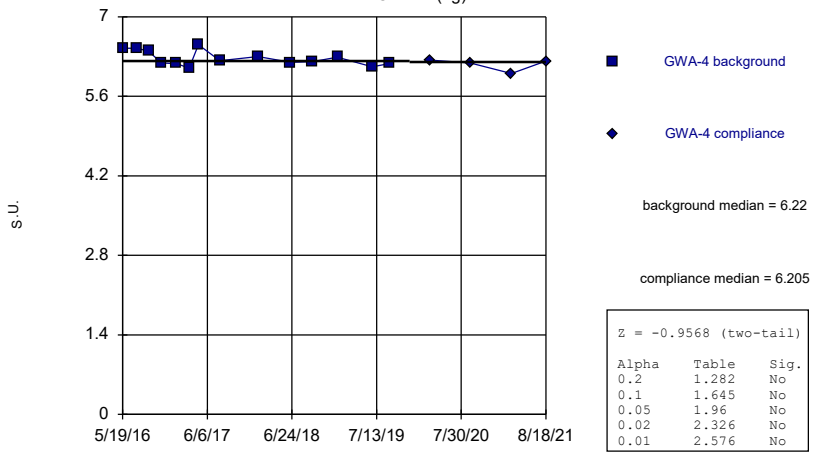


Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWA-4 (bg)

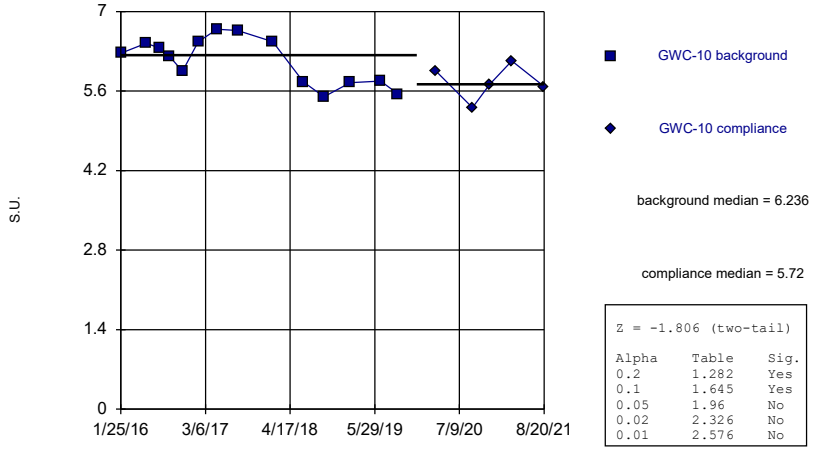


Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-10

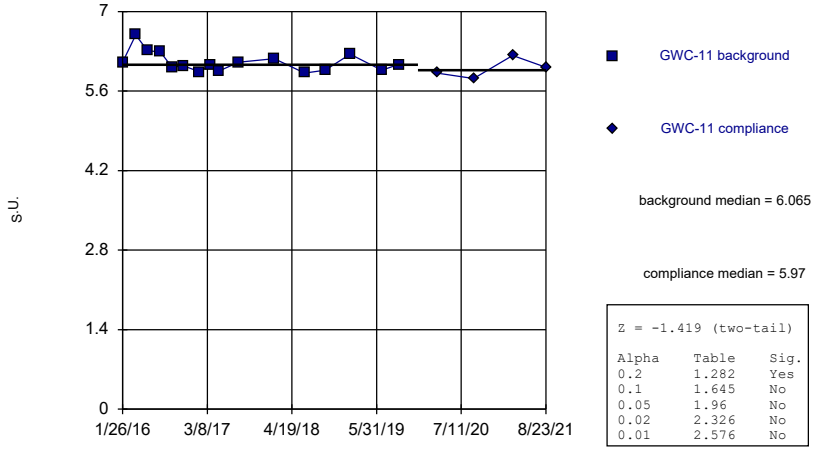


Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

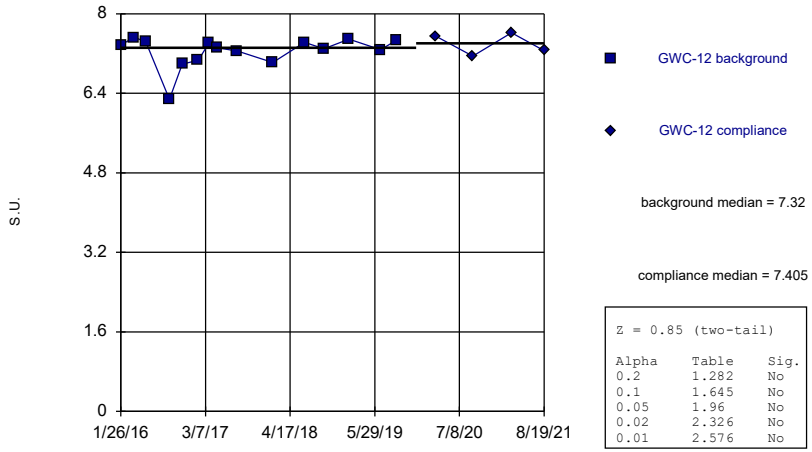
GWC-11



Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Mann-Whitney (Wilcoxon Rank Sum)

GWC-12

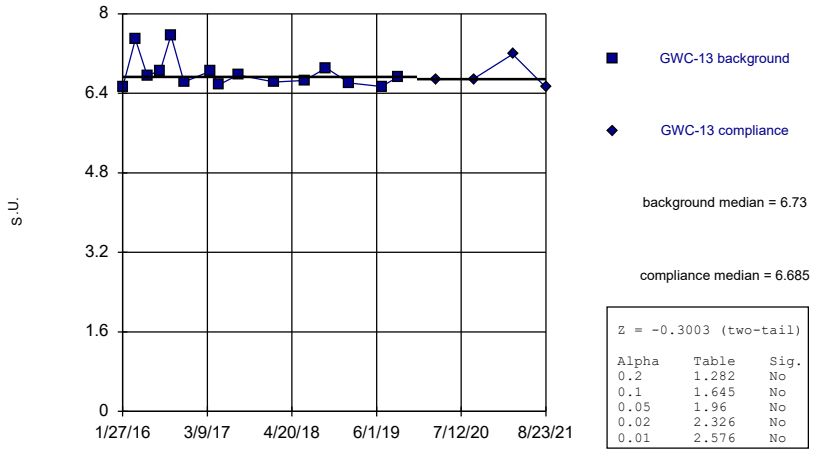


Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-13

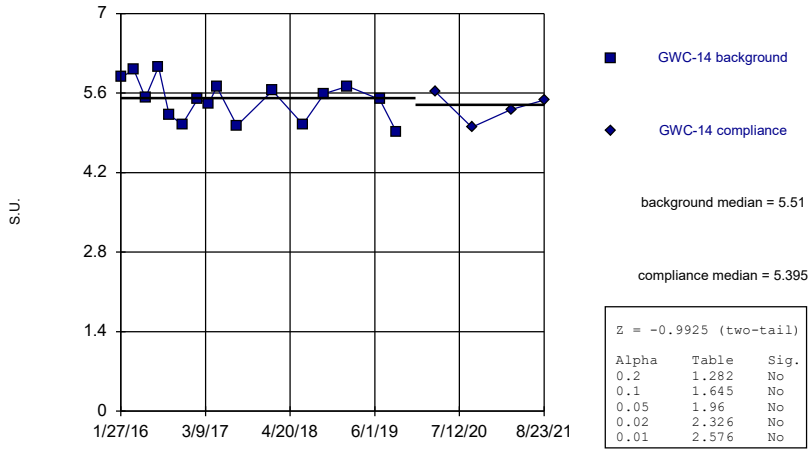


Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-14

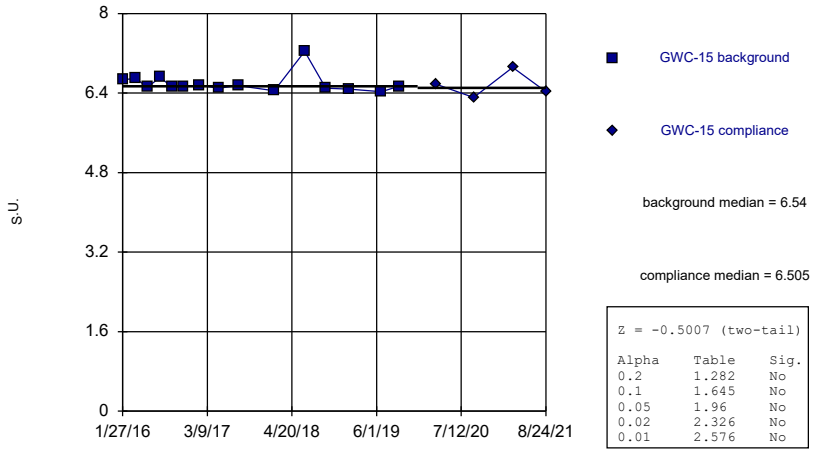


Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

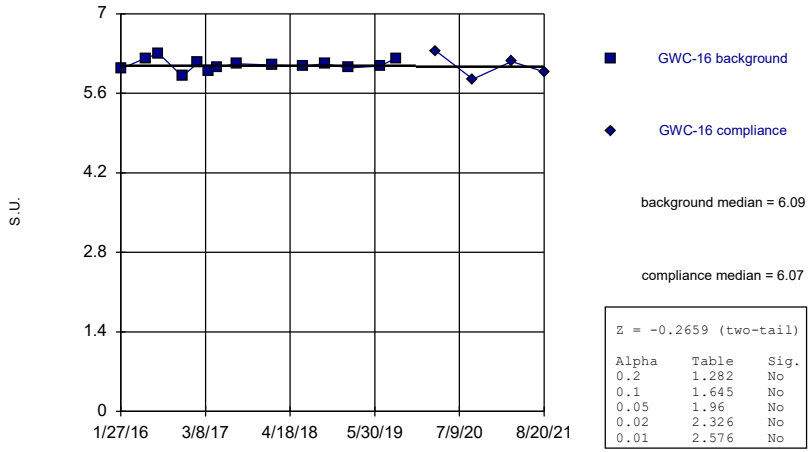
GWC-15



Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Mann-Whitney (Wilcoxon Rank Sum)

GWC-16

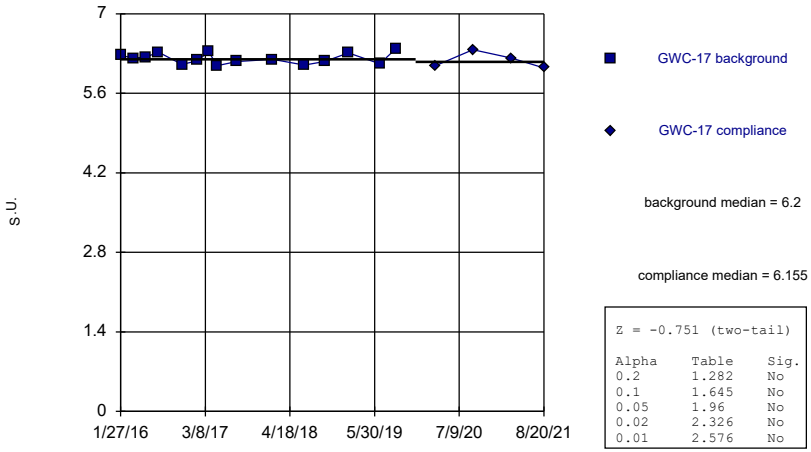


Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-17

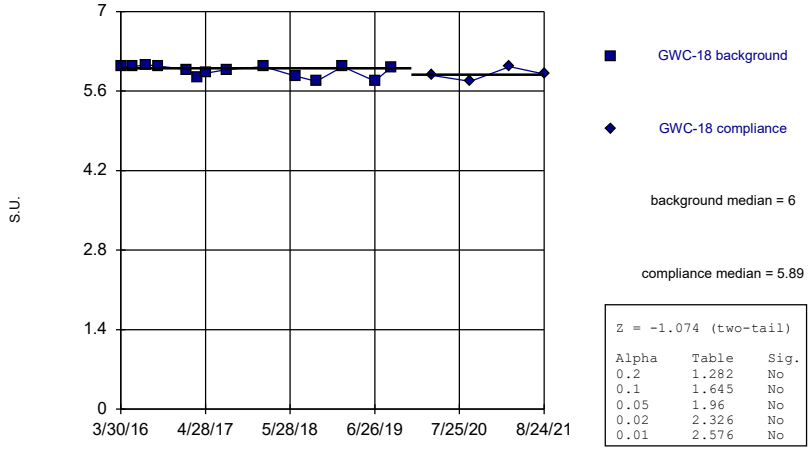


Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-18

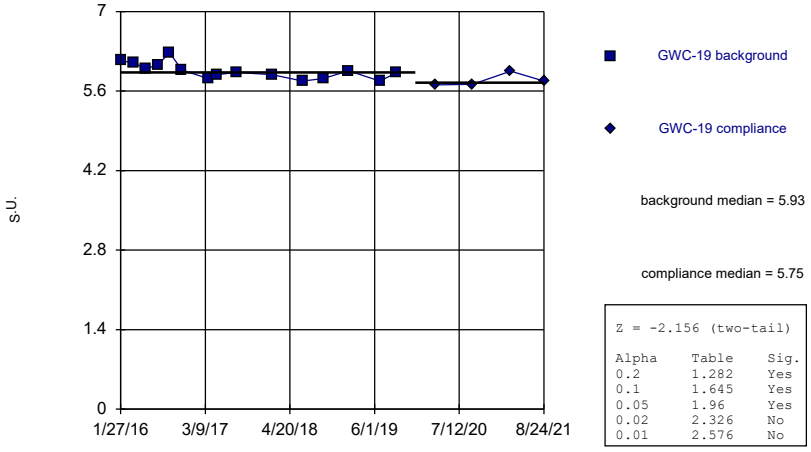


Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

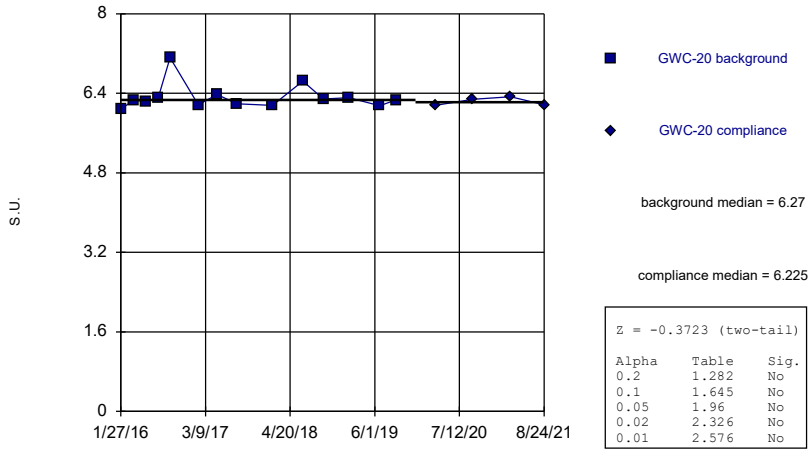
GWC-19



Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Mann-Whitney (Wilcoxon Rank Sum)

GWC-20

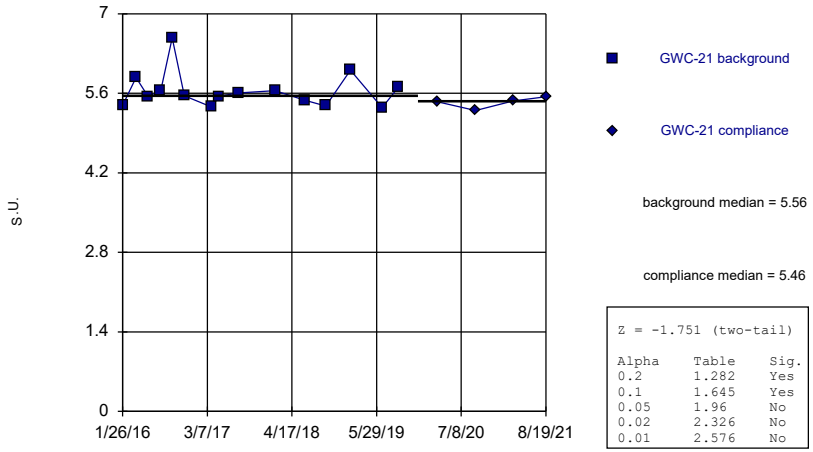


Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-21

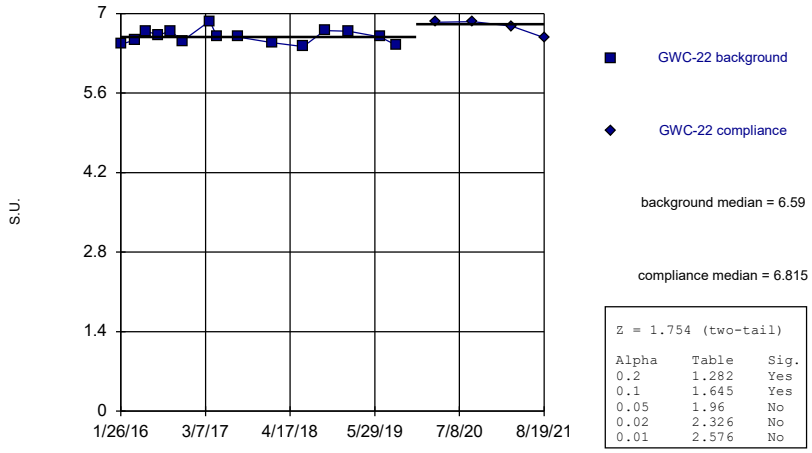


Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-22

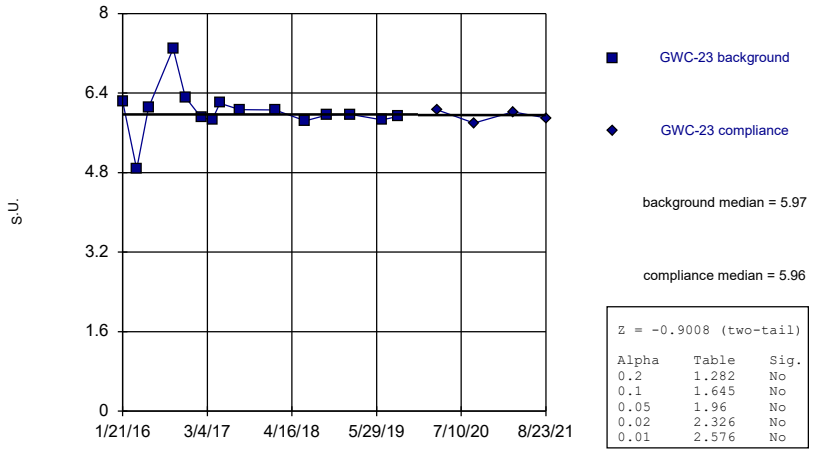


Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

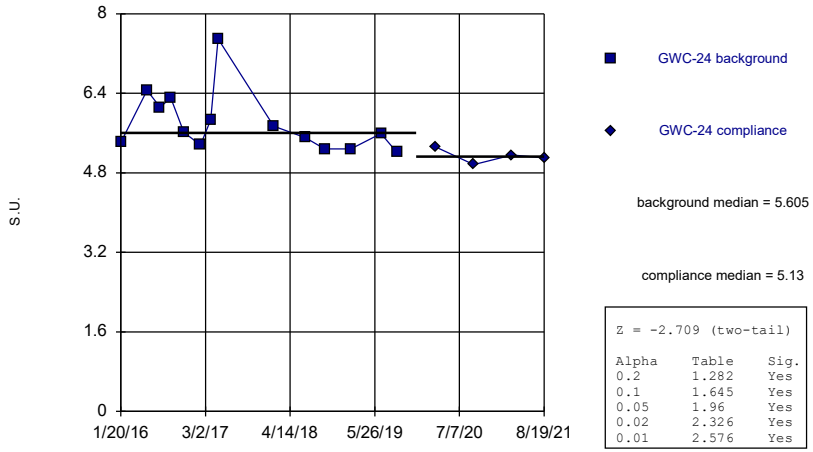
GWC-23



Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Mann-Whitney (Wilcoxon Rank Sum)

GWC-24



background median = 5.605

compliance median = 5.13

Z = -2.709 (two-tail)

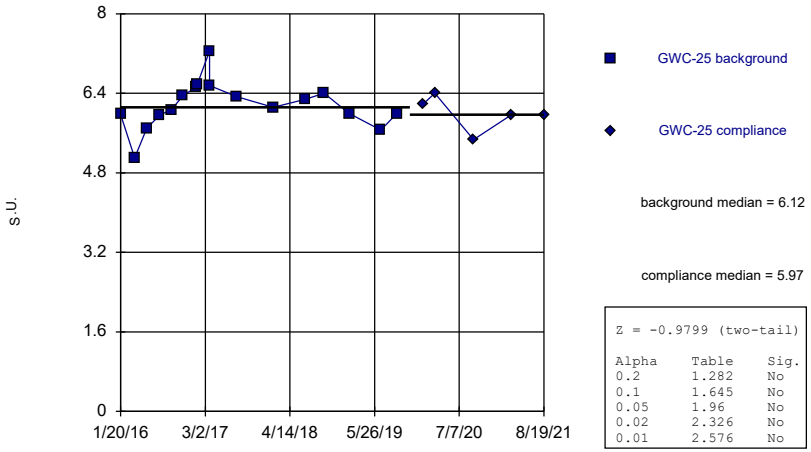
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-25



background median = 6.12

compliance median = 5.97

Z = -0.9799 (two-tail)

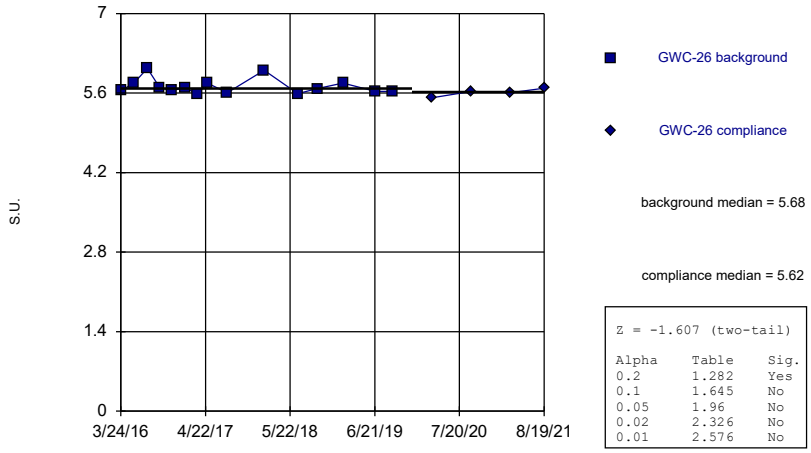
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-26



background median = 5.68

compliance median = 5.62

Z = -1.607 (two-tail)

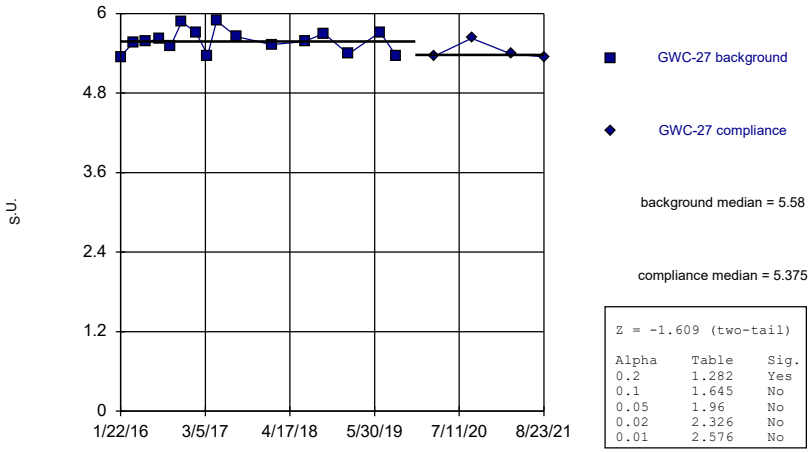
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-27



background median = 5.58

compliance median = 5.375

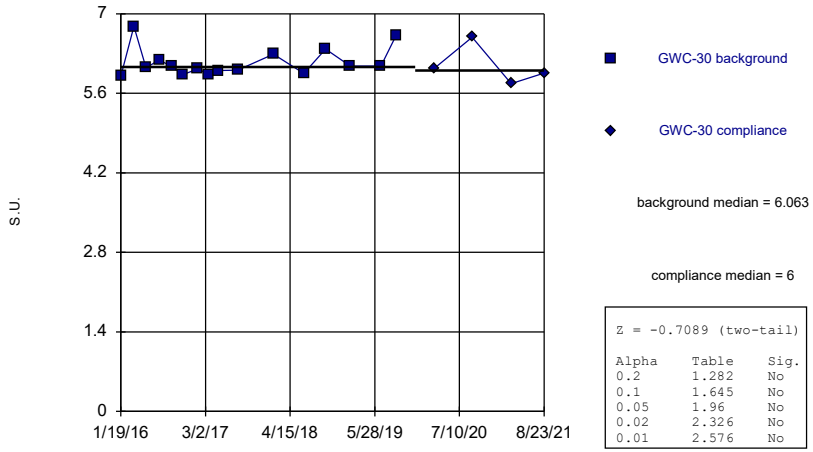
Z = -1.609 (two-tail)

Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Mann-Whitney (Wilcoxon Rank Sum)

GWC-30



Z = -0.7089 (two-tail)

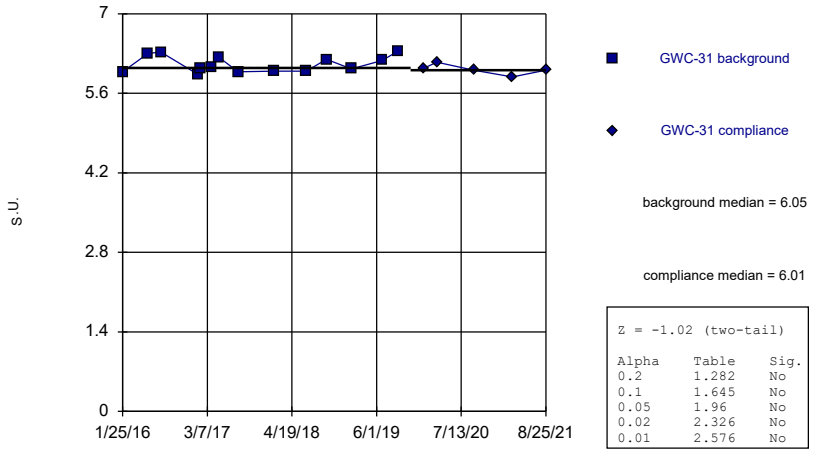
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-31



Z = -1.02 (two-tail)

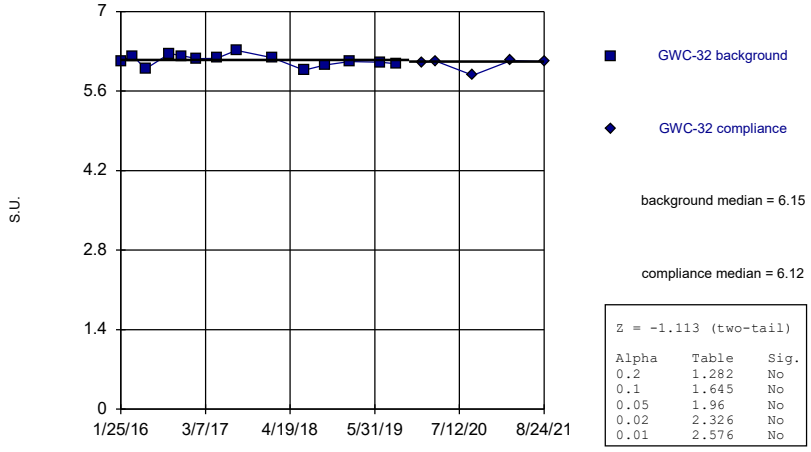
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-32



Z = -1.113 (two-tail)

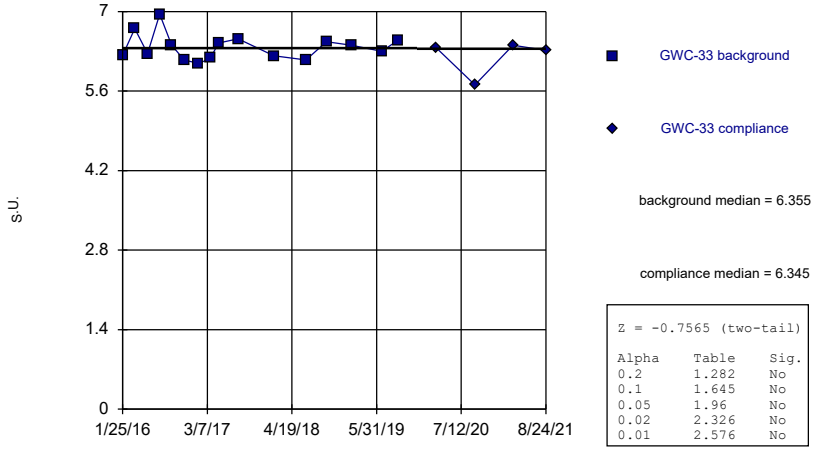
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-33



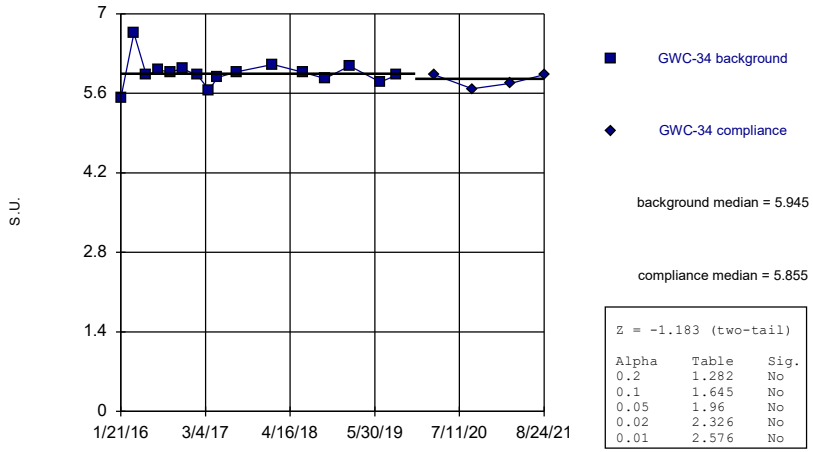
Z = -0.7565 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Mann-Whitney (Wilcoxon Rank Sum)

GWC-34

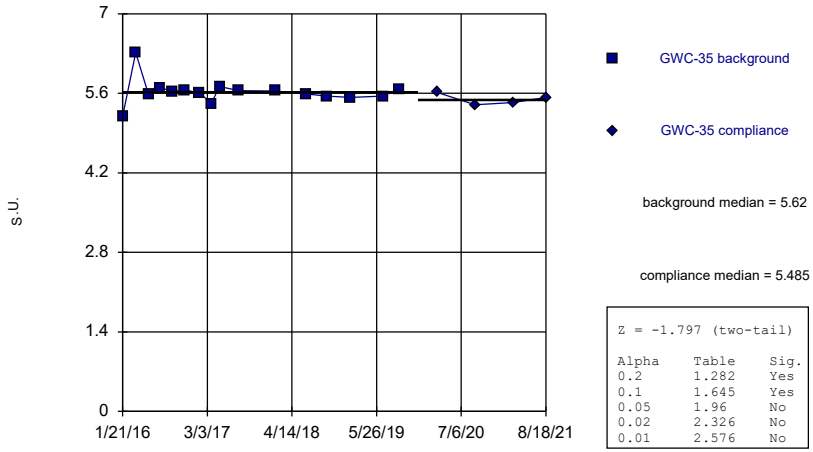


Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-35

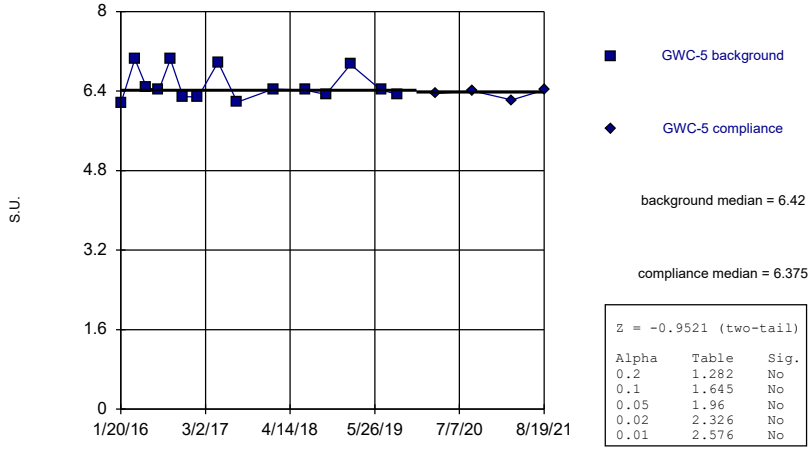


Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-5

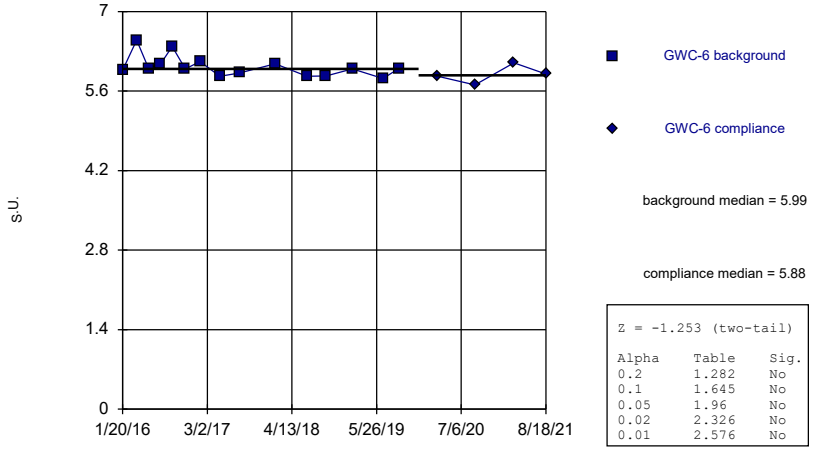


Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

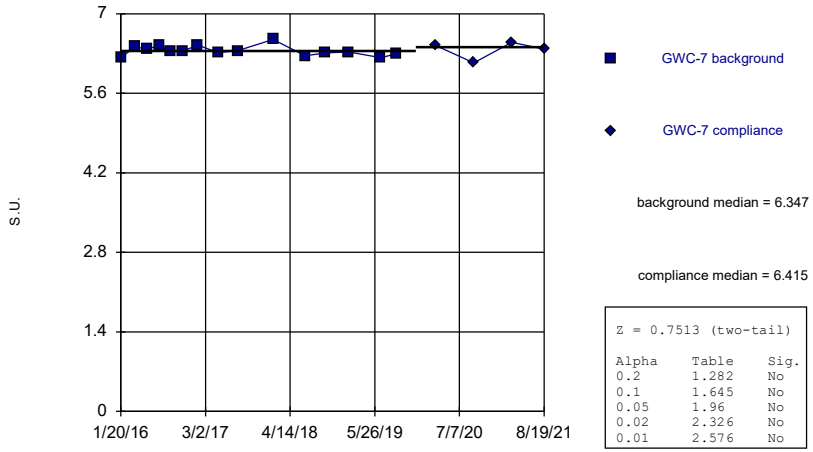
GWC-6



Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Mann-Whitney (Wilcoxon Rank Sum)

GWC-7

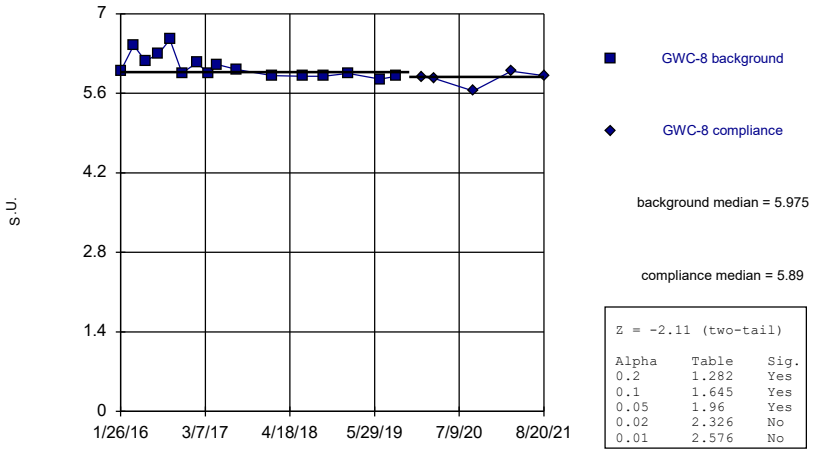


Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-8

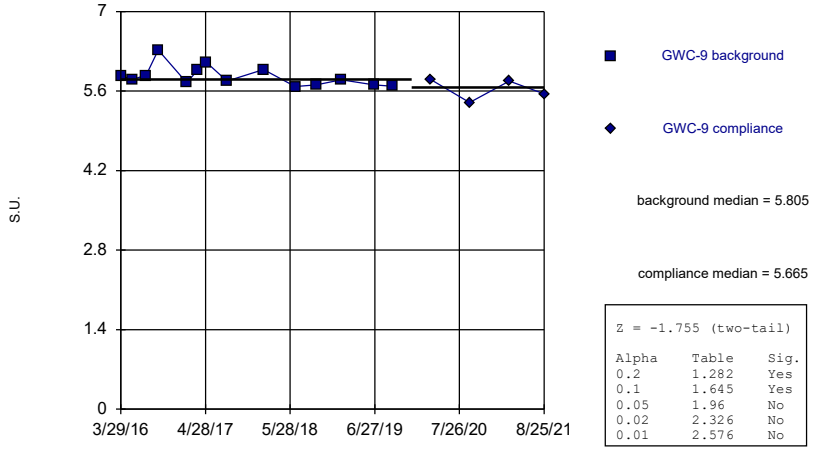


Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-9

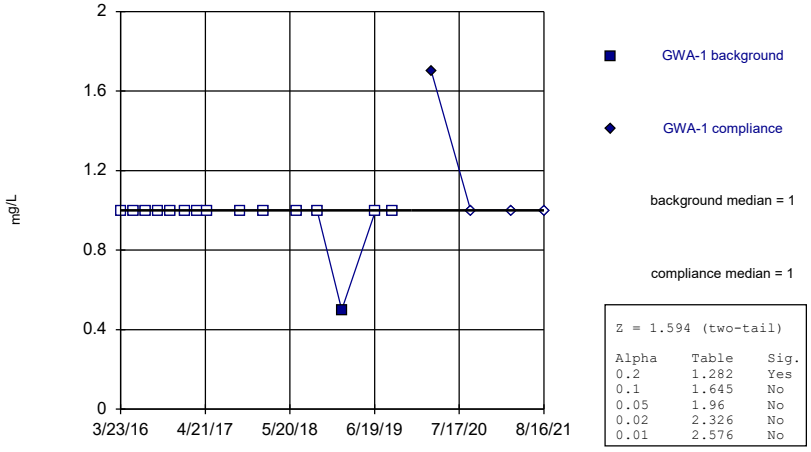


Constituent: pH, Field Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-1 (bg)

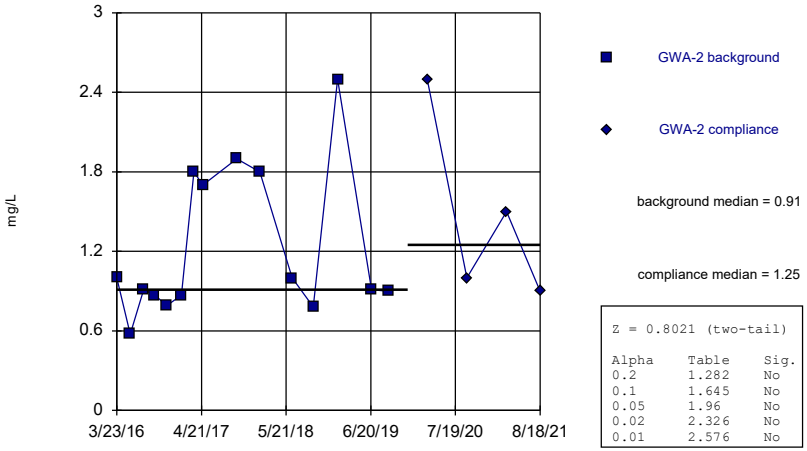


Constituent: Sulfate as SO4 Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWA-2 (bg)



Z = 0.8021 (two-tail)

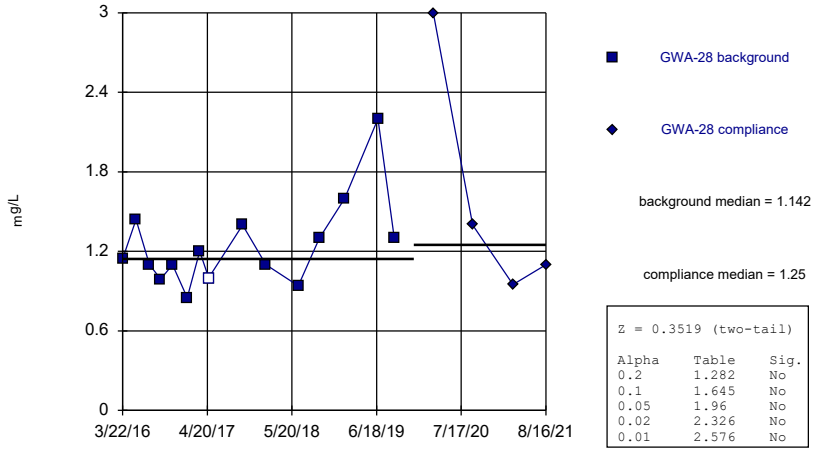
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 11:59 AM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-28 (bg)



Z = 0.3519 (two-tail)

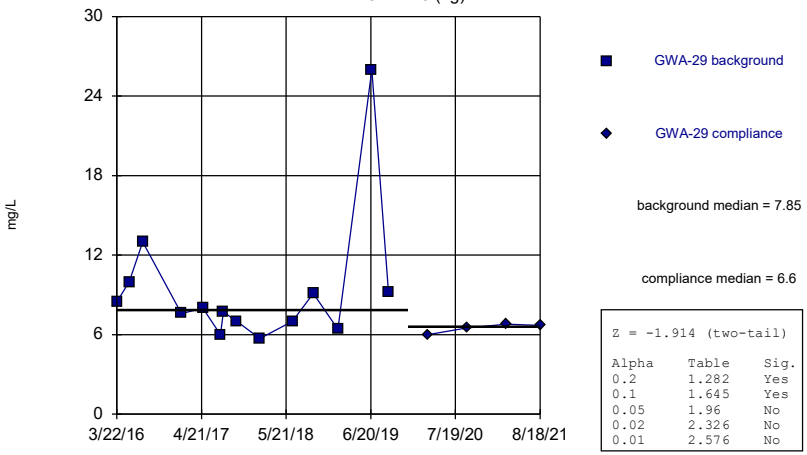
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWA-29 (bg)



Z = -1.914 (two-tail)

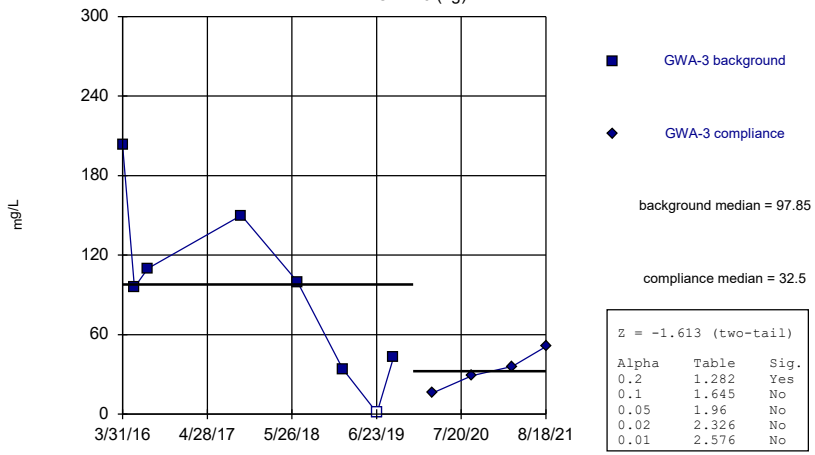
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWA-3 (bg)



Z = -1.613 (two-tail)

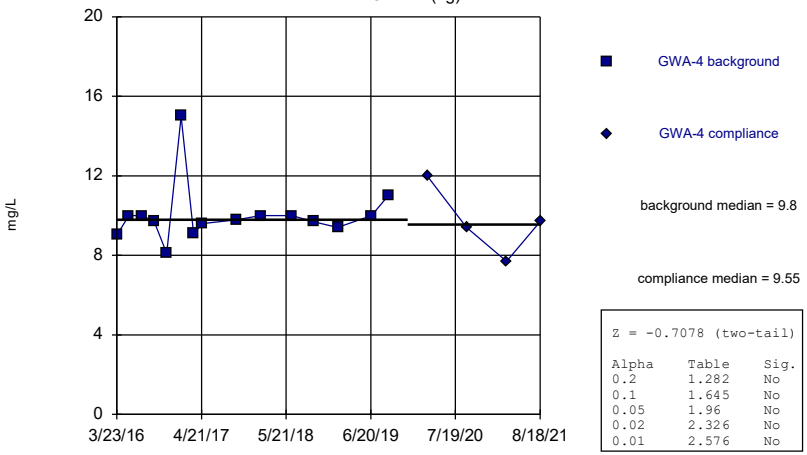
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWA-4 (bg)



Z = -0.7078 (two-tail)

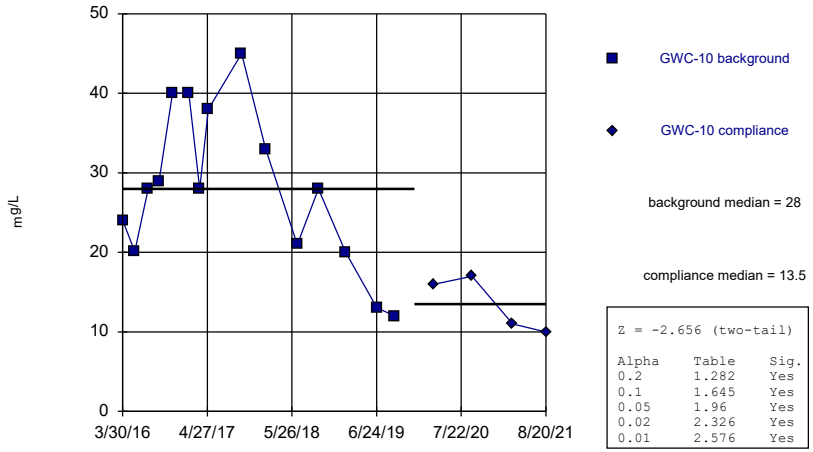
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-10



Z = -2.656 (two-tail)

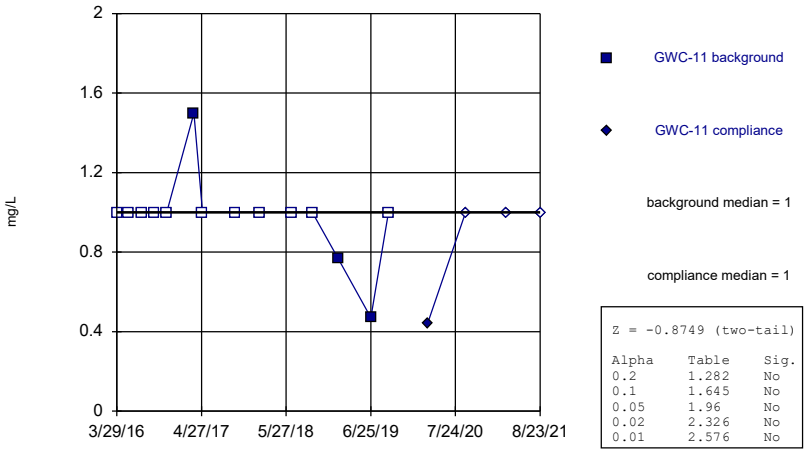
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-11



Z = -0.8749 (two-tail)

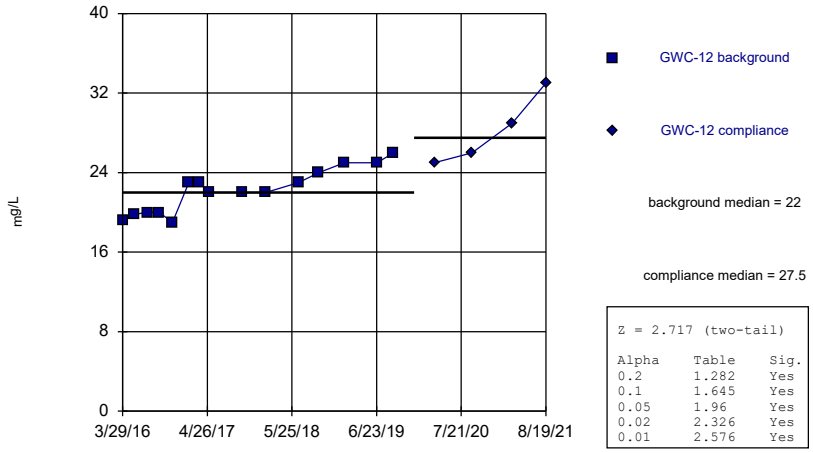
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-12



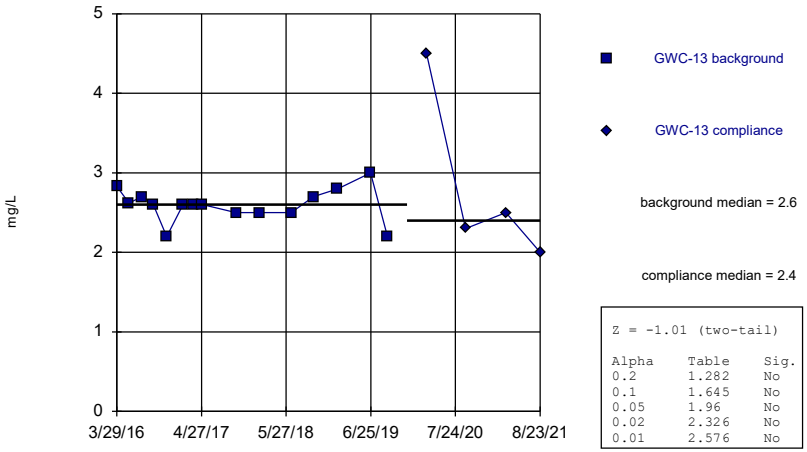
Z = 2.717 (two-tail)

Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Mann-Whitney (Wilcoxon Rank Sum)

GWC-13



Z = -1.01 (two-tail)

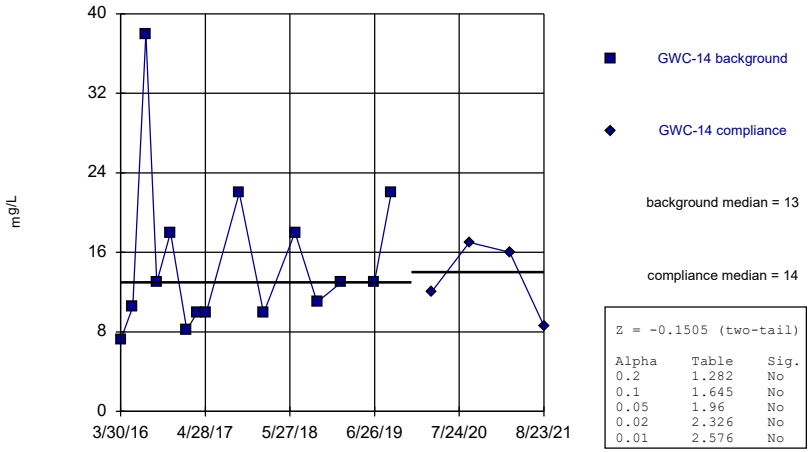
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-14



Z = -0.1505 (two-tail)

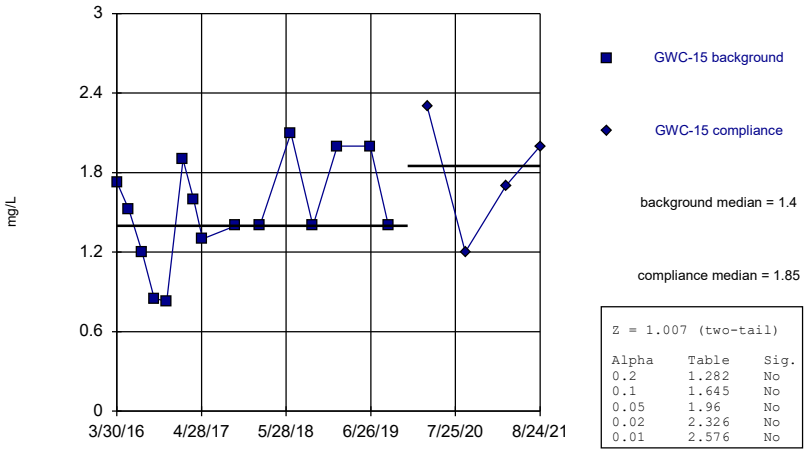
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-15



Z = 1.007 (two-tail)

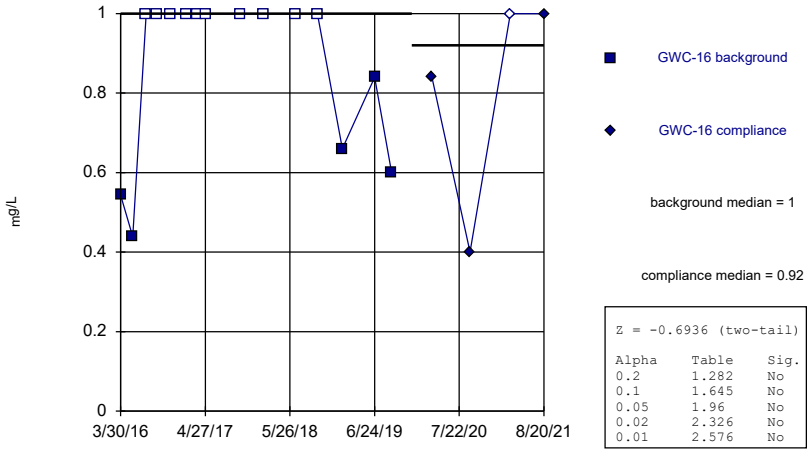
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-16



Z = -0.6936 (two-tail)

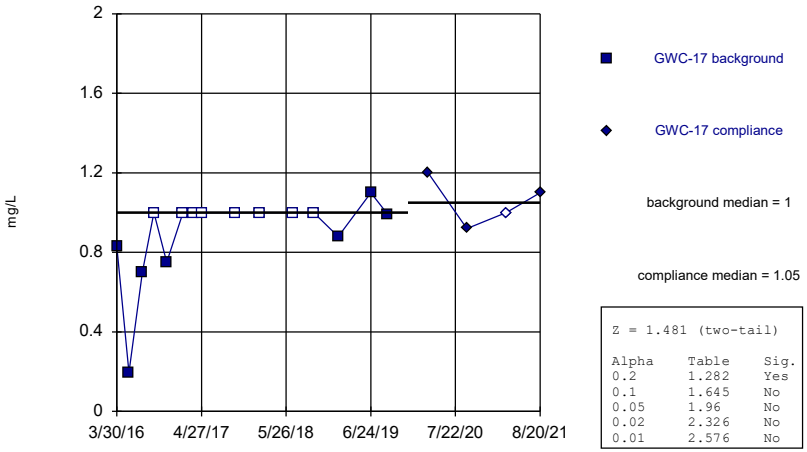
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-17



Z = 1.481 (two-tail)

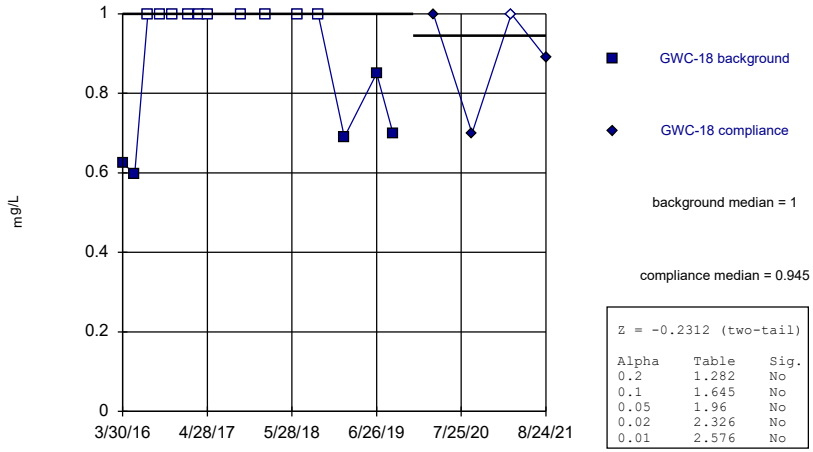
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-18



Z = -0.2312 (two-tail)

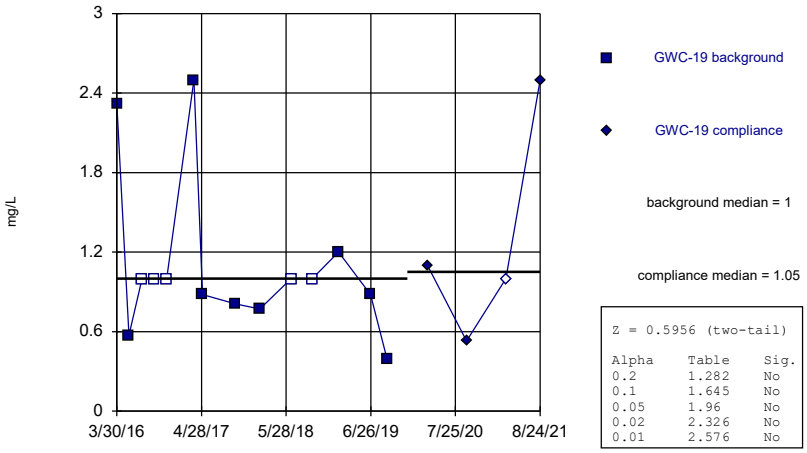
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-19



Z = 0.5956 (two-tail)

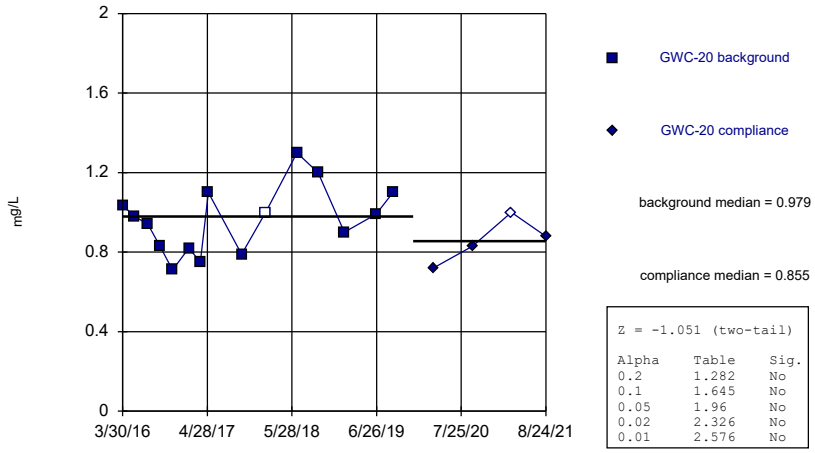
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-20



Z = -1.051 (two-tail)

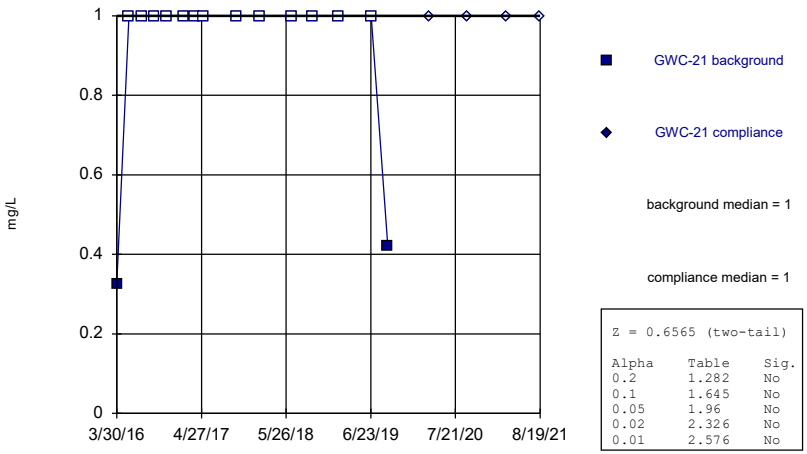
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-21



Z = 0.6565 (two-tail)

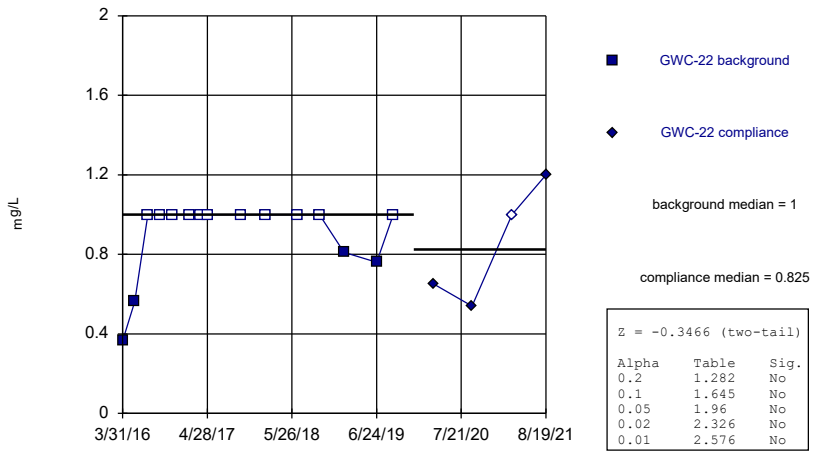
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-22



Z = -0.3466 (two-tail)

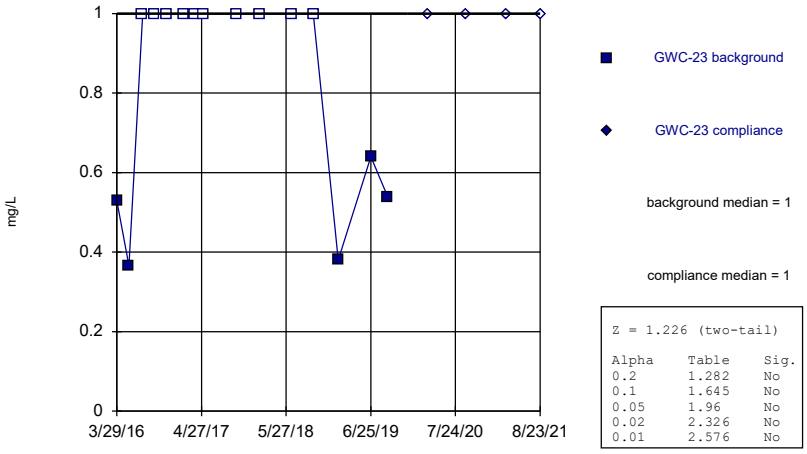
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-23



Z = 1.226 (two-tail)

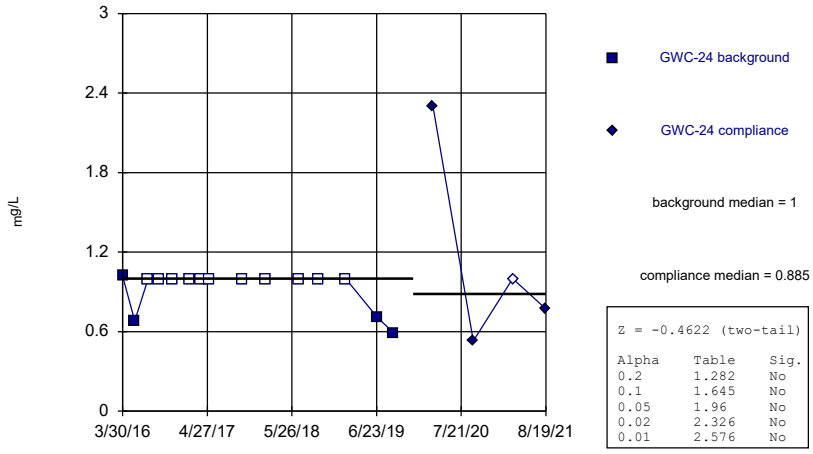
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-24



Z = -0.4622 (two-tail)

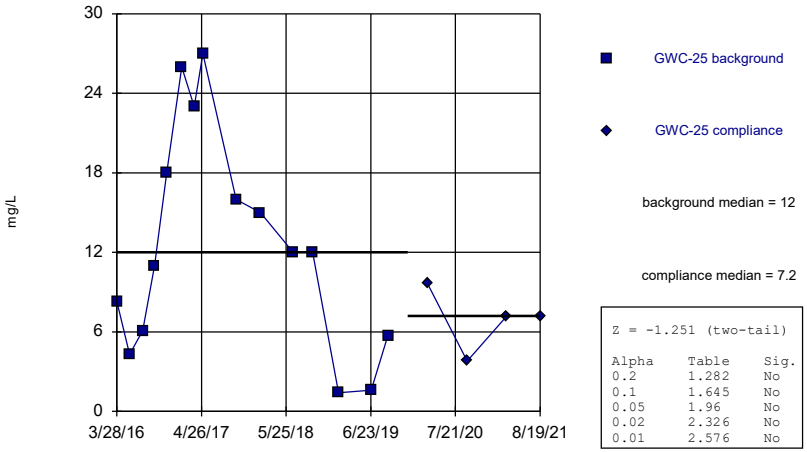
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-25



Z = -1.251 (two-tail)

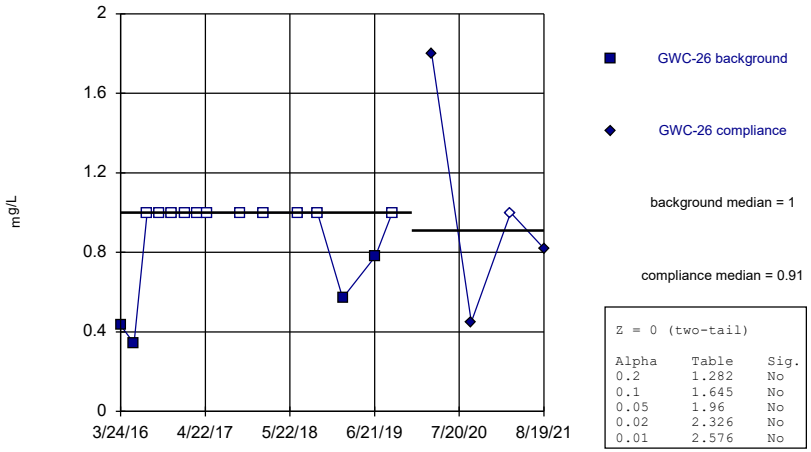
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-26



Z = 0 (two-tail)

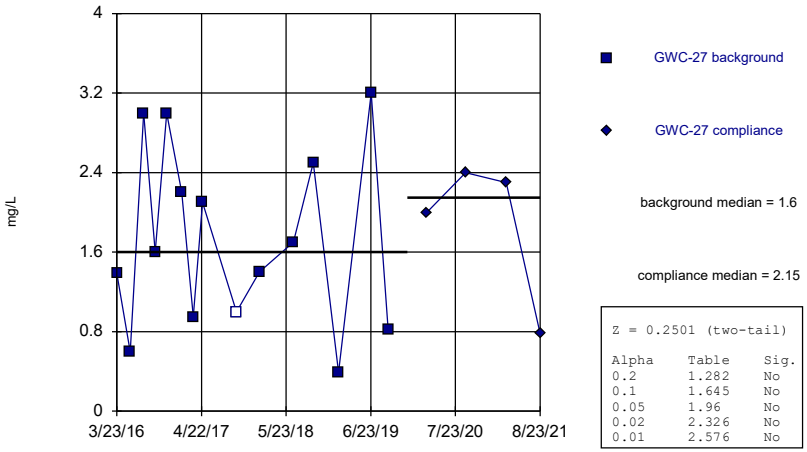
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-27



Z = 0.2501 (two-tail)

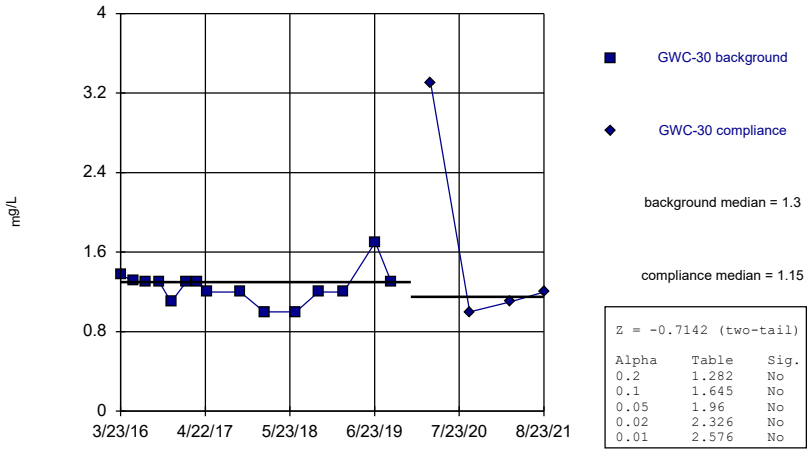
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-30



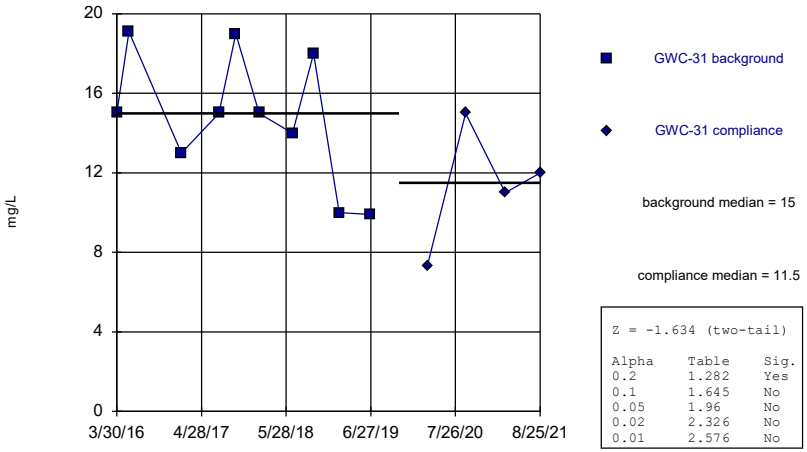
Z = -0.7142 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Mann-Whitney (Wilcoxon Rank Sum)

GWC-31

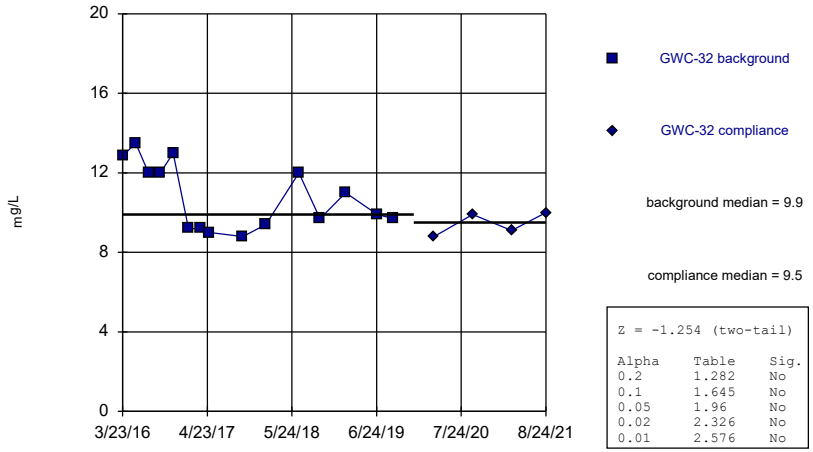


Constituent: Sulfate as SO4 Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-32

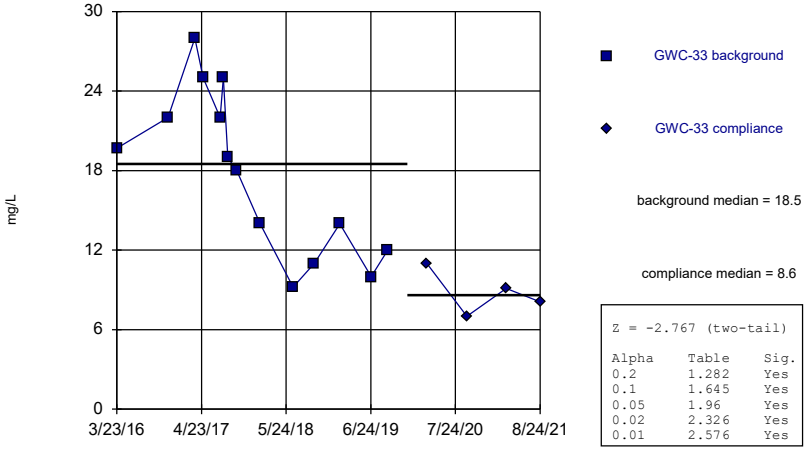


Constituent: Sulfate as SO4 Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-33

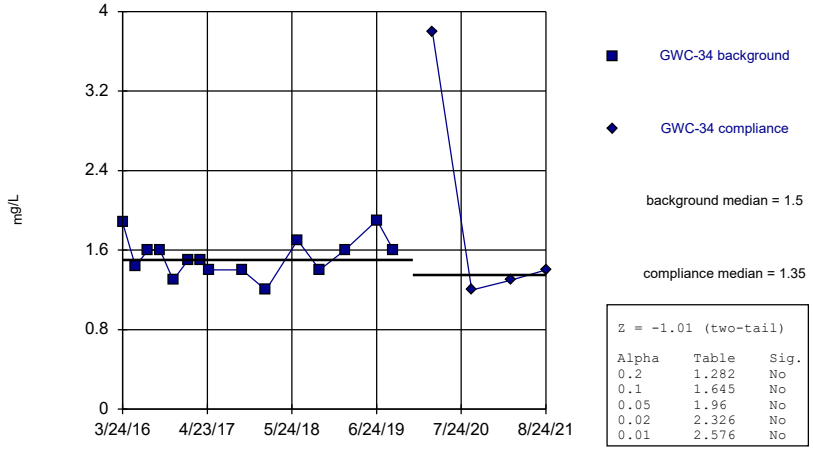


Constituent: Sulfate as SO4 Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

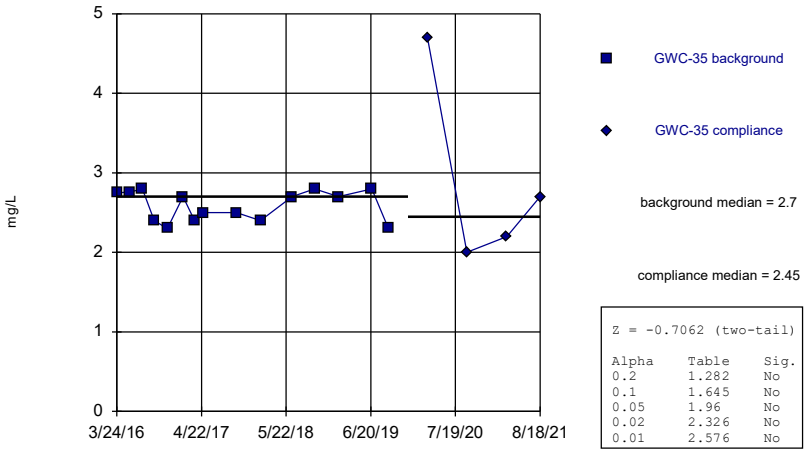
GWC-34



Constituent: Sulfate as SO4 Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Mann-Whitney (Wilcoxon Rank Sum)

GWC-35



Z = -0.7062 (two-tail)

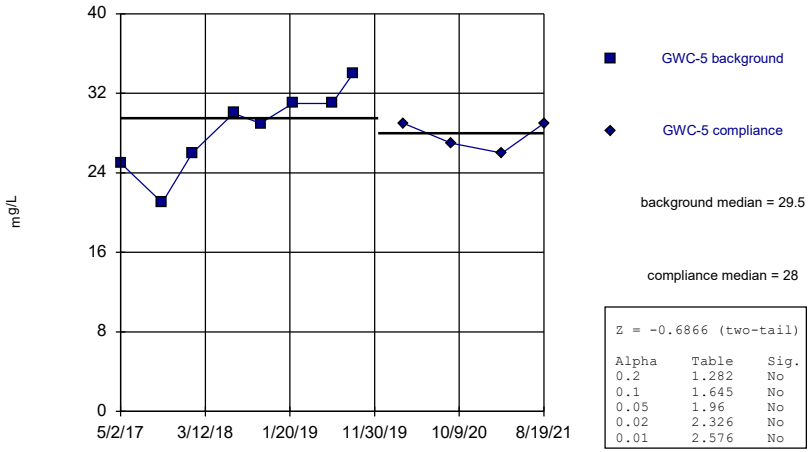
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-5



Z = -0.6866 (two-tail)

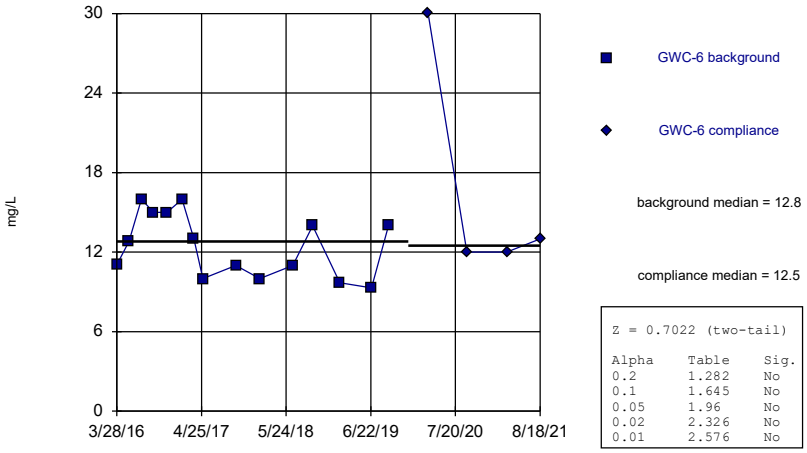
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-6



Z = 0.7022 (two-tail)

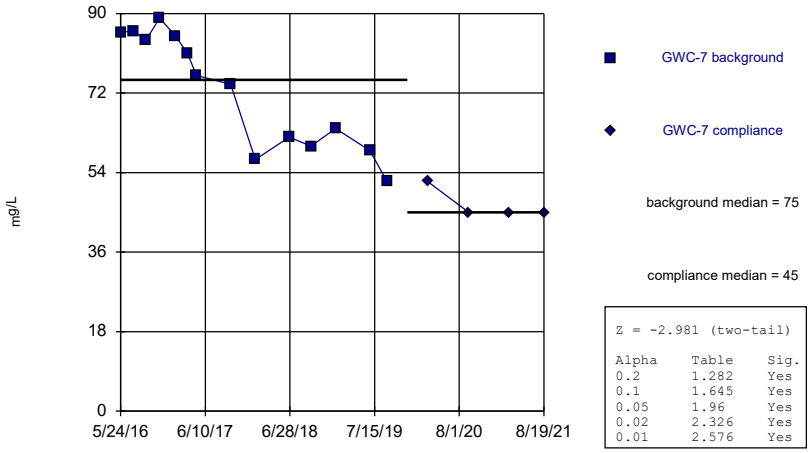
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-7



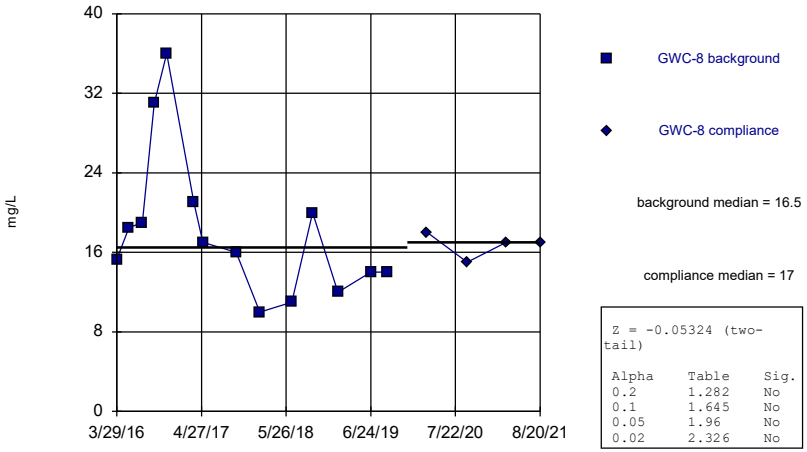
Z = -2.981 (two-tail)

Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Mann-Whitney (Wilcoxon Rank Sum)

GWC-8



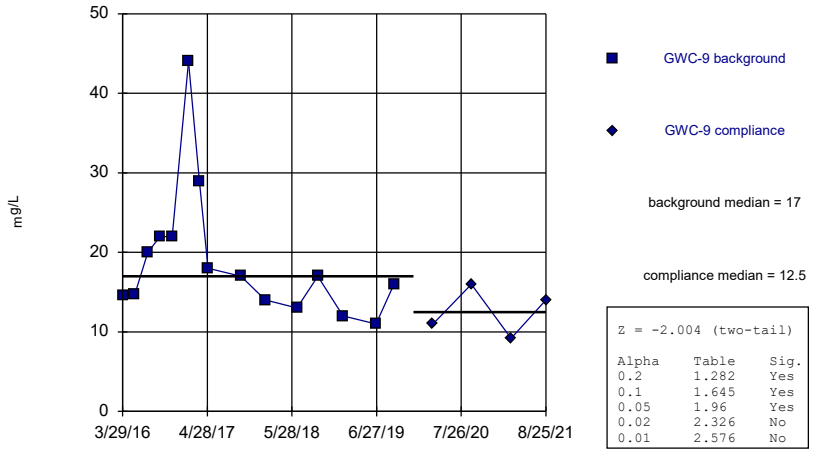
Z = -0.05324 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Mann-Whitney (Wilcoxon Rank Sum)

GWC-9



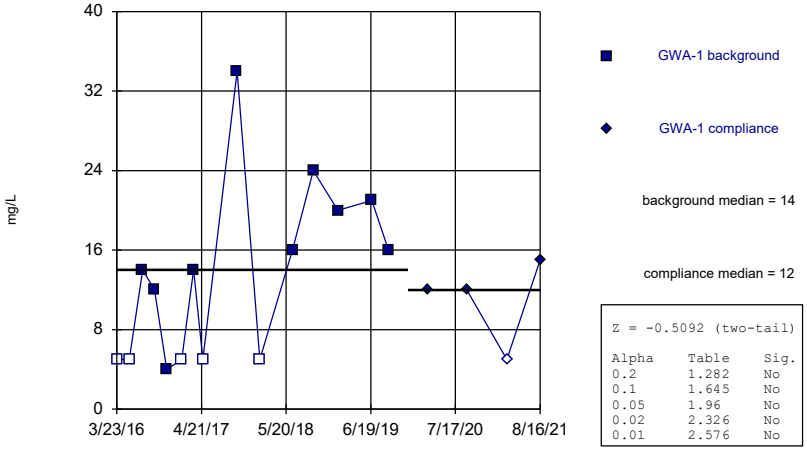
Z = -2.004 (two-tail)

Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendix III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Mann-Whitney (Wilcoxon Rank Sum)

GWA-1 (bg)



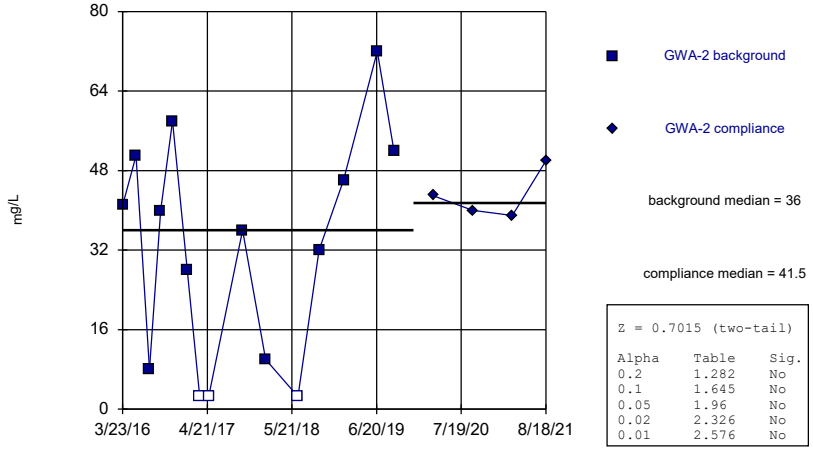
Z = -0.5092 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendi
Plant Wansley Client: Southern Company Data: Wansley Landfill

Mann-Whitney (Wilcoxon Rank Sum)

GWA-2 (bg)



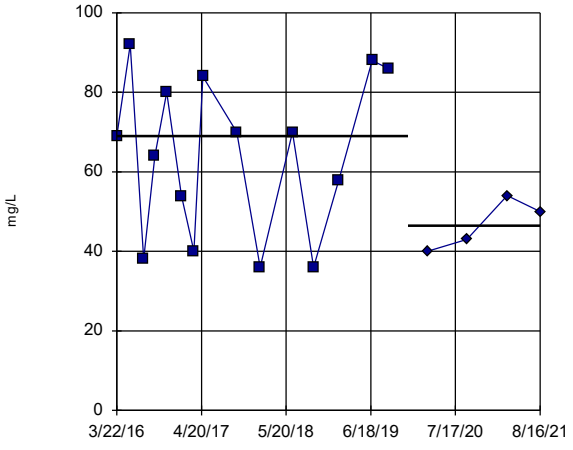
Z = 0.7015 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendi
Plant Wansley Client: Southern Company Data: Wansley Landfill

Mann-Whitney (Wilcoxon Rank Sum)

GWA-28 (bg)



GWA-28 background

GWA-28 compliance

background median = 69

compliance median = 46.5

Z = -1.453 (two-tail)

Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

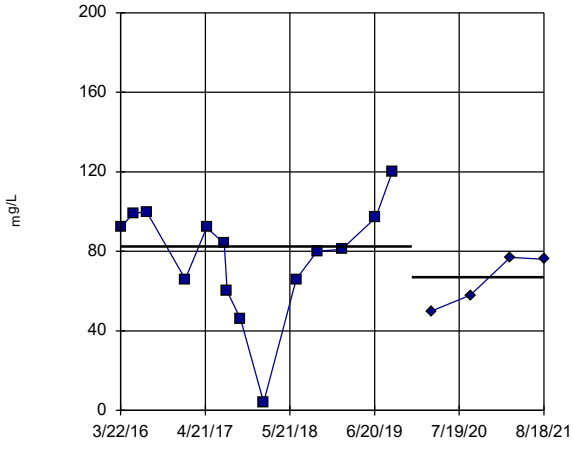
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendi

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWA-29 (bg)



GWA-29 background

GWA-29 compliance

background median = 82.5

compliance median = 67

Z = -1.541 (two-tail)

Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

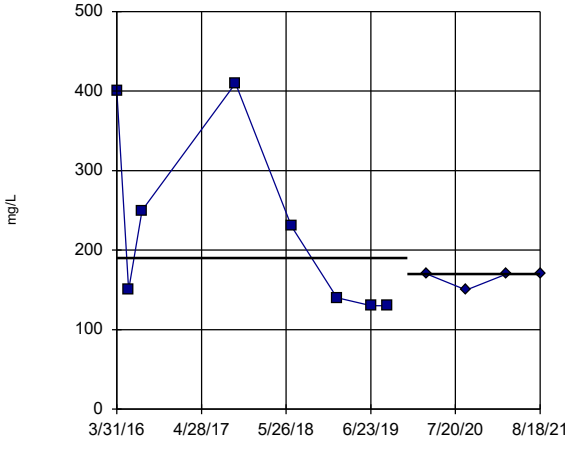
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendi

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWA-3 (bg)



GWA-3 background

GWA-3 compliance

background median = 190

compliance median = 170

Z = -0.1717 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

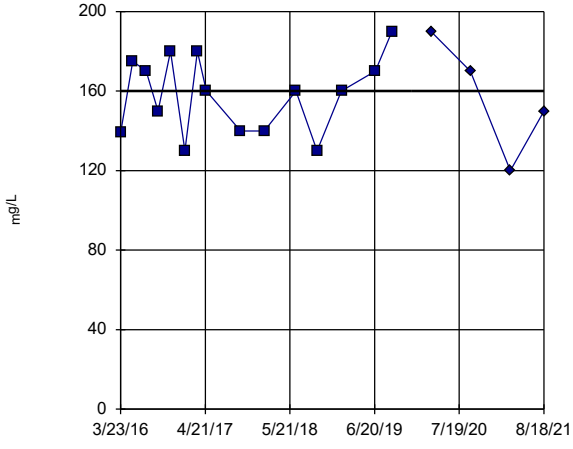
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendi

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWA-4 (bg)



GWA-4 background

GWA-4 compliance

background median = 160

compliance median = 160

Z = -0.05029 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No

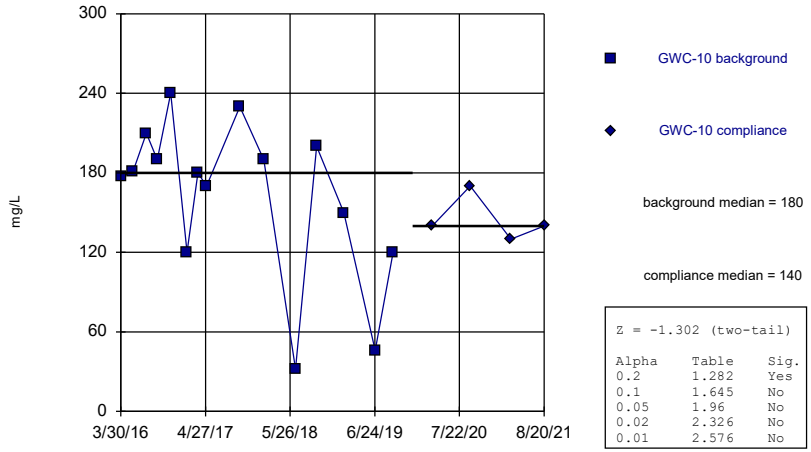
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendi

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-10



Z = -1.302 (two-tail)

Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendi

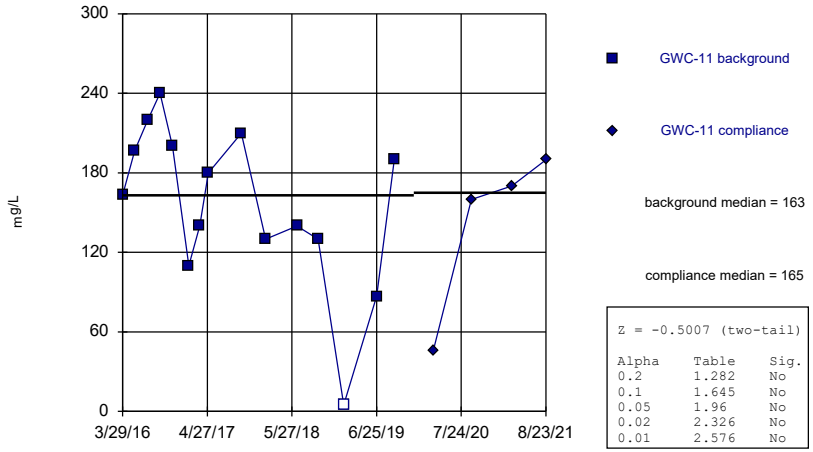
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-11



Z = -0.5007 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

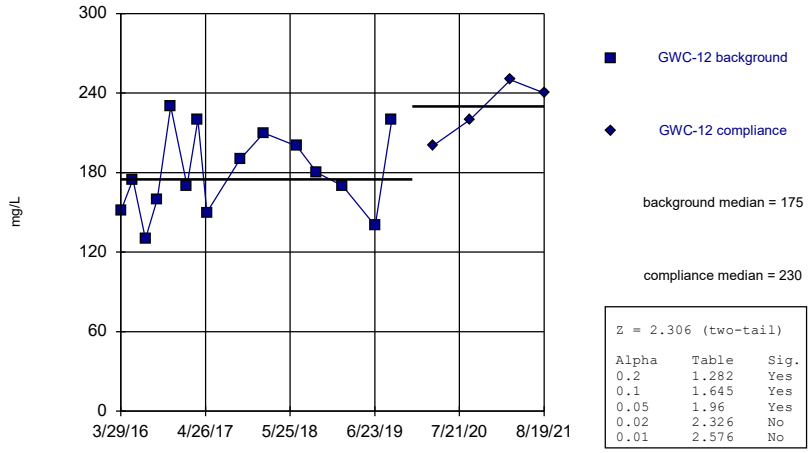
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendi

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-12



Z = 2.306 (two-tail)

Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	No
0.01	2.576	No

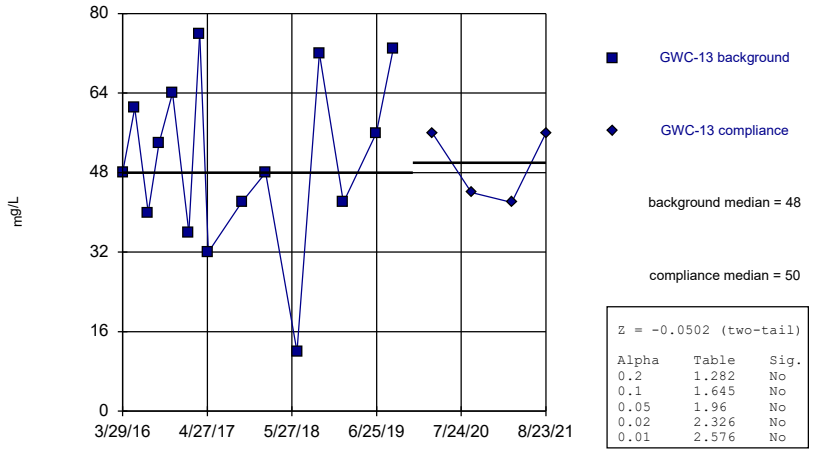
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendi

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-13



Z = -0.0502 (two-tail)

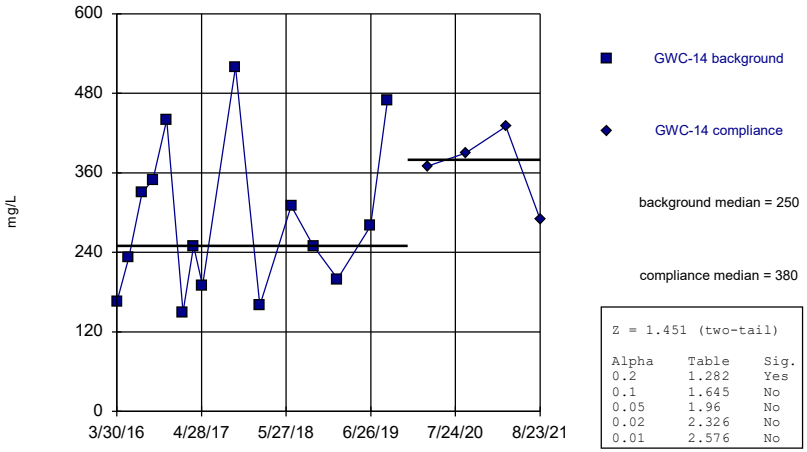
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendi

Plant Wansley Client: Southern Company Data: Wansley Landfill

Mann-Whitney (Wilcoxon Rank Sum)

GWC-14



Z = 1.451 (two-tail)

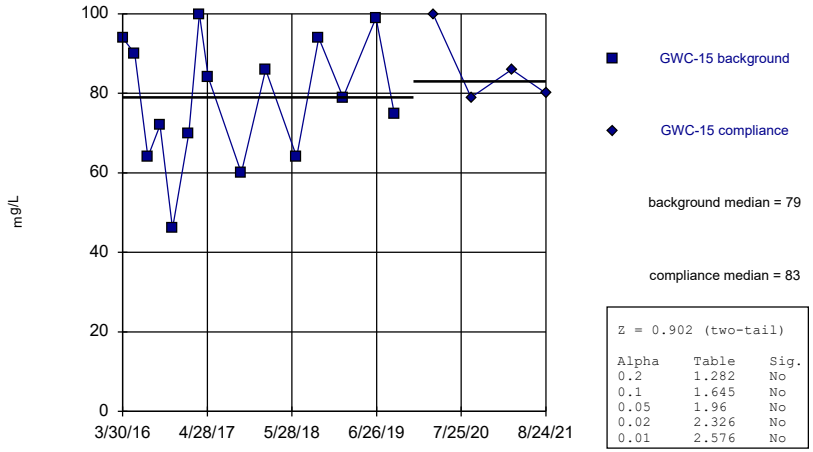
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendi
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-15



Z = 0.902 (two-tail)

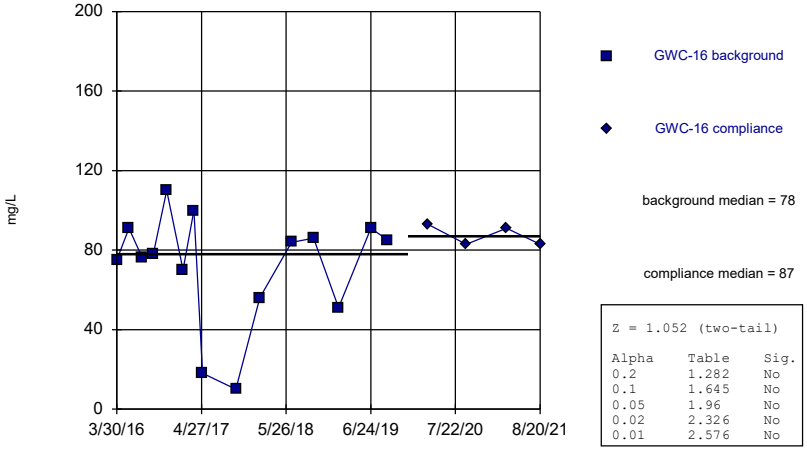
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendi
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-16



Z = 1.052 (two-tail)

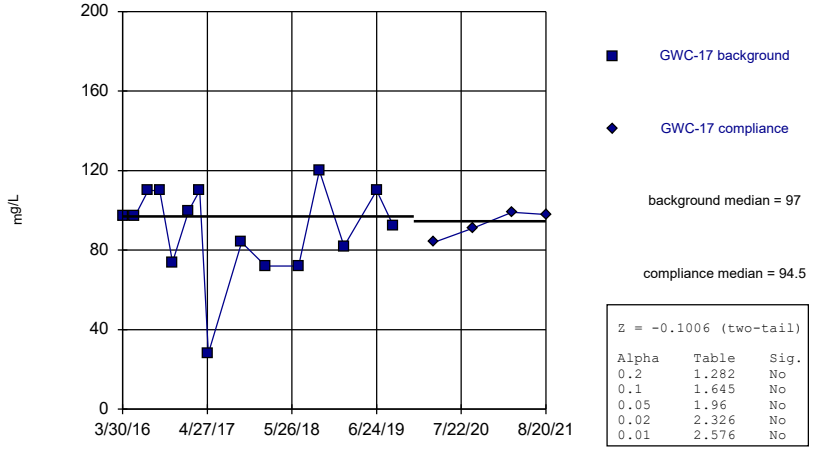
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendi
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-17



Z = -0.1006 (two-tail)

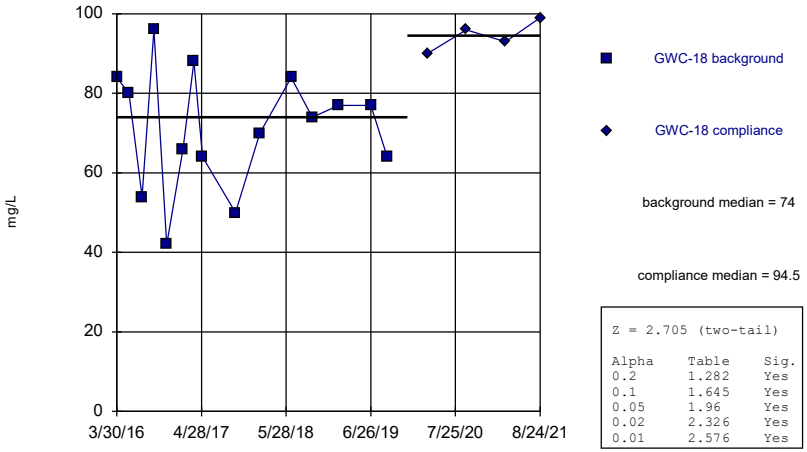
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendi
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-18



Z = 2.705 (two-tail)

Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	Yes

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendi

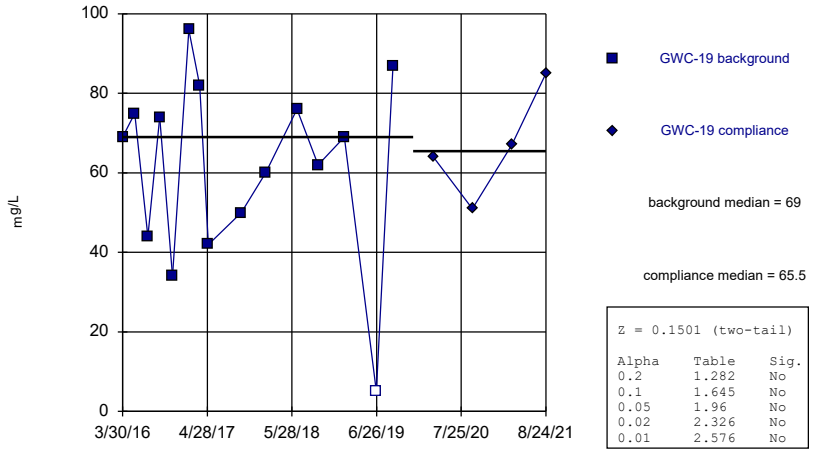
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-19



Z = 0.1501 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

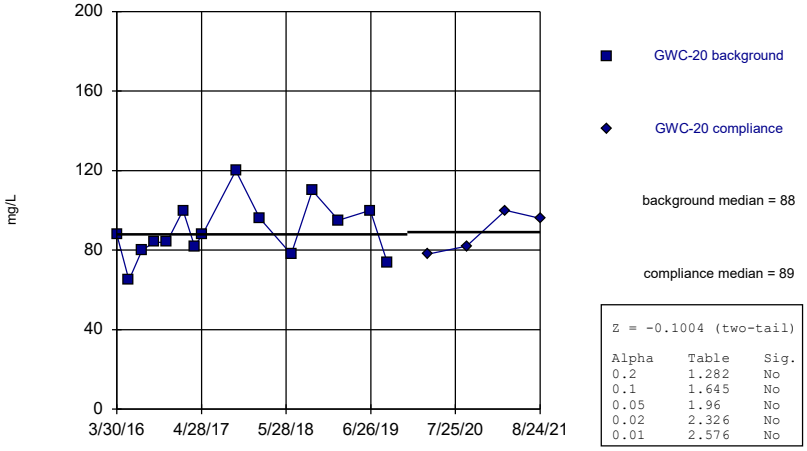
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendi

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-20



Z = -0.1004 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

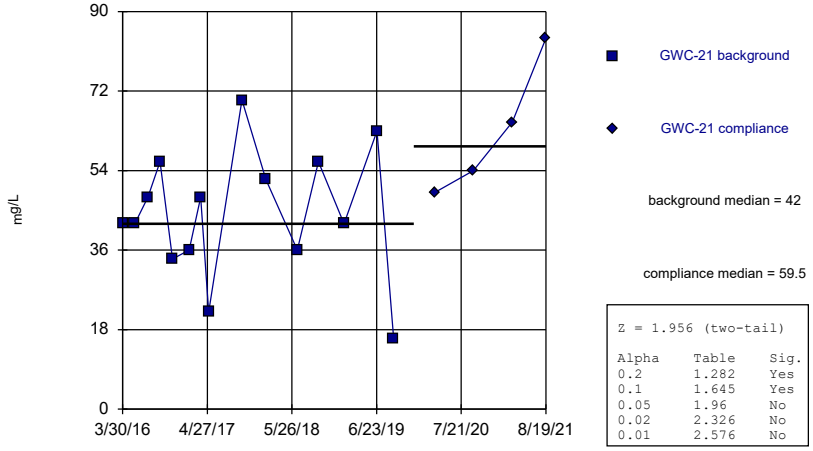
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendi

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-21



Z = 1.956 (two-tail)

Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

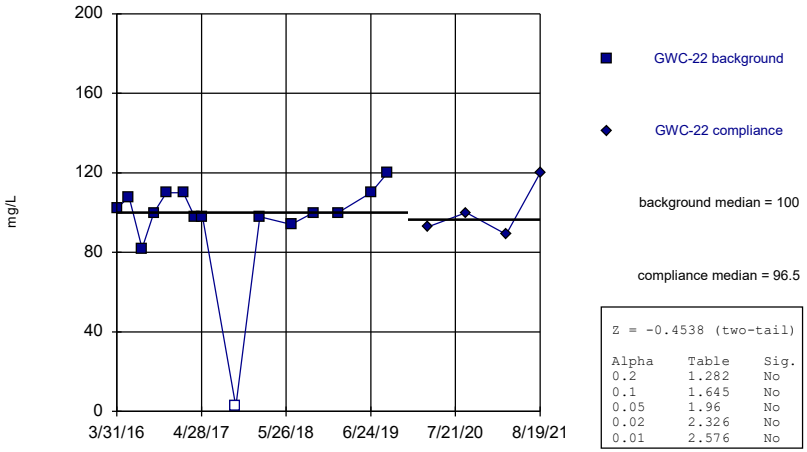
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendi

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-22



Z = -0.4538 (two-tail)

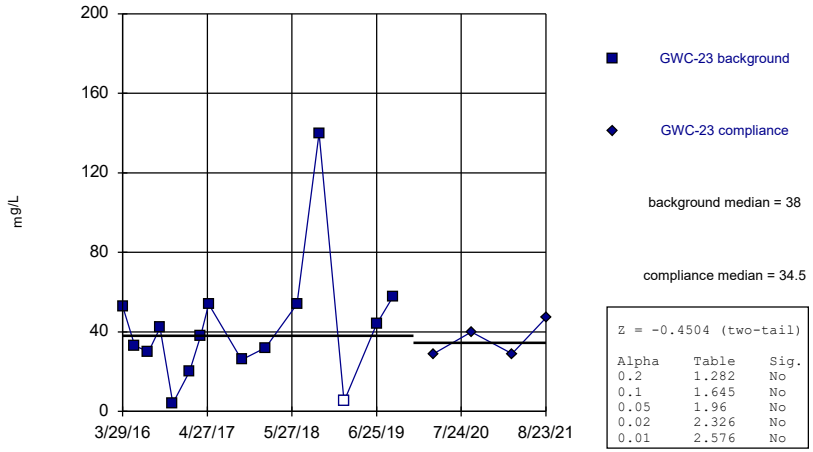
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendi
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-23



Z = -0.4504 (two-tail)

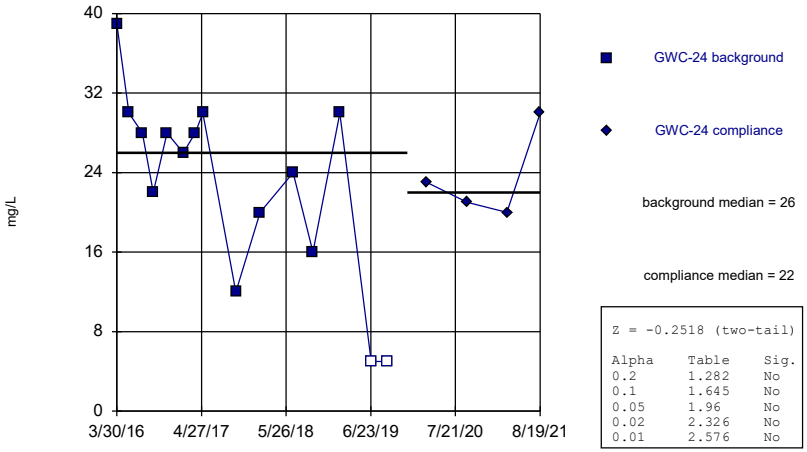
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendi
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-24



Z = -0.2518 (two-tail)

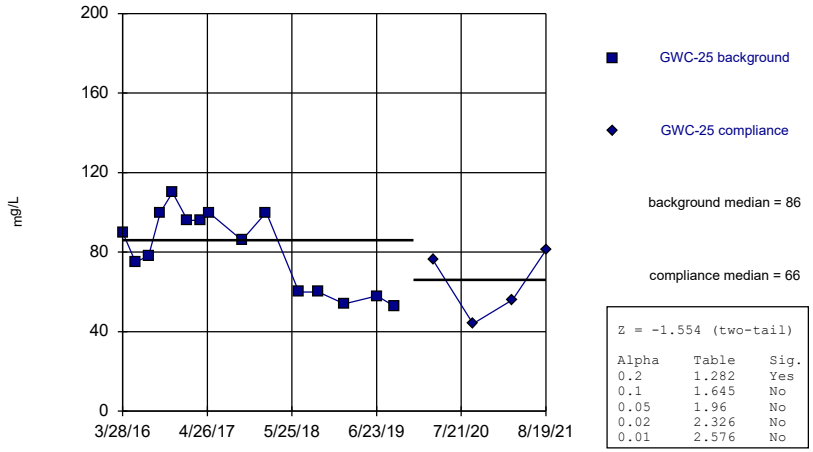
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendi
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-25



Z = -1.554 (two-tail)

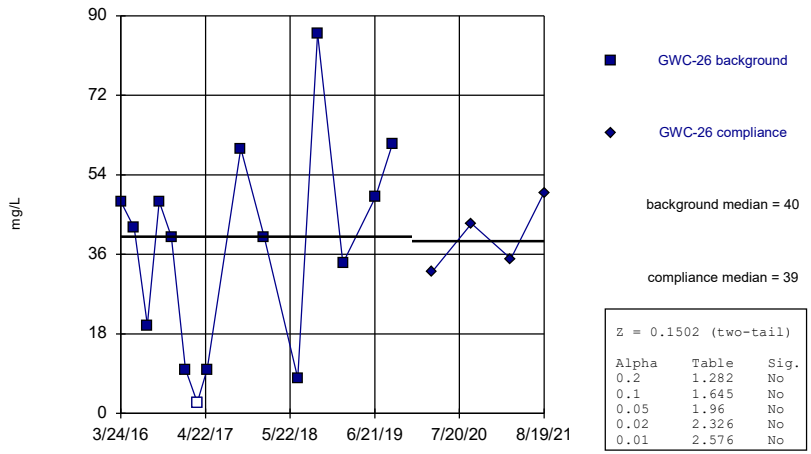
Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendi
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-26



Z = 0.1502 (two-tail)

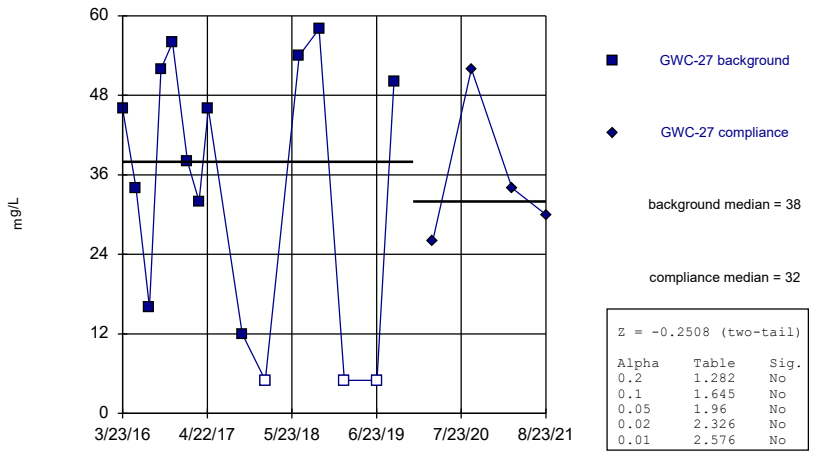
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendi
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-27



Z = -0.2508 (two-tail)

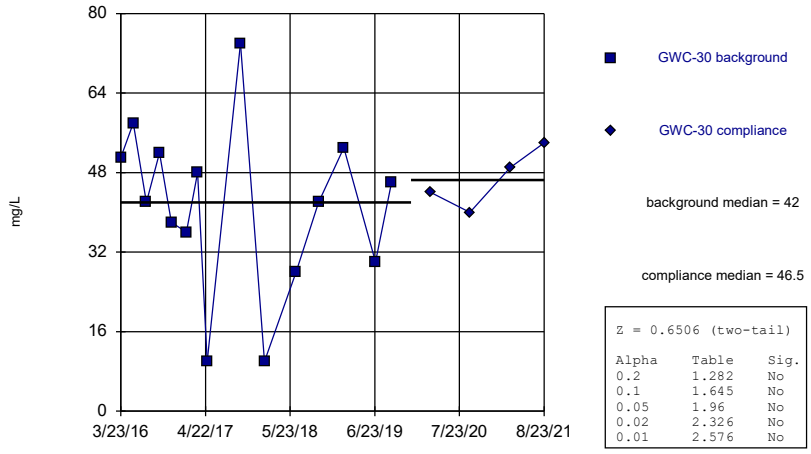
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendi
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-30



Z = 0.6506 (two-tail)

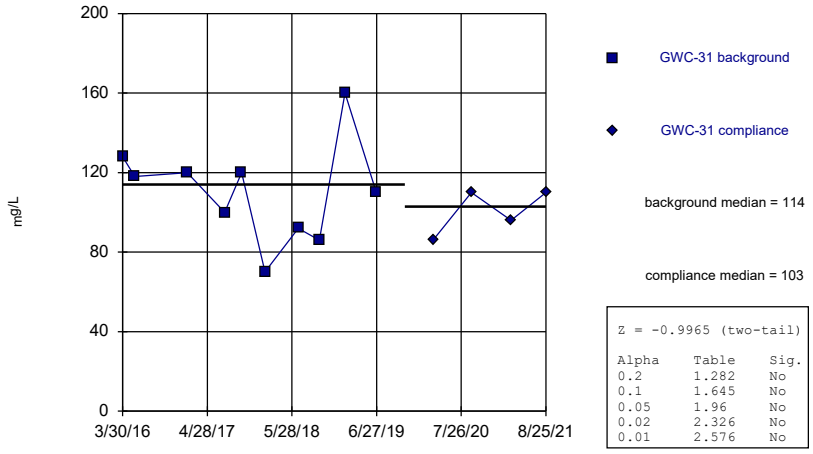
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendi
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-31



Z = -0.9965 (two-tail)

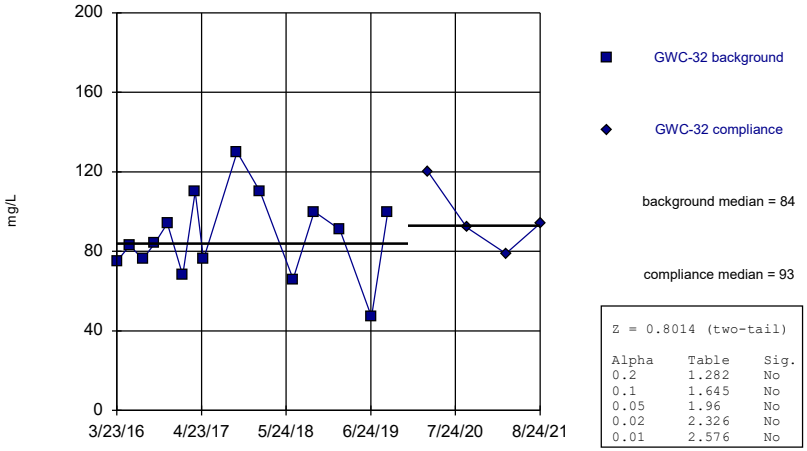
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:00 PM View: Mann Whitney Appendi
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-32



Z = 0.8014 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

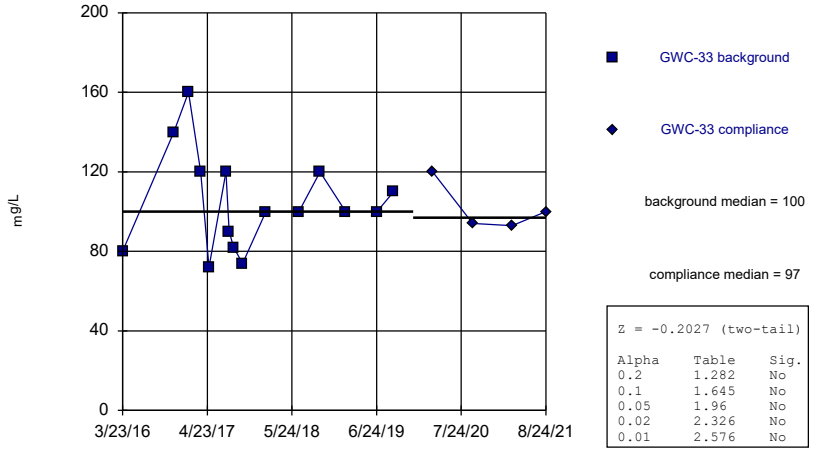
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:01 PM View: Mann Whitney Appendi

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-33



Z = -0.2027 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:01 PM View: Mann Whitney Appendi

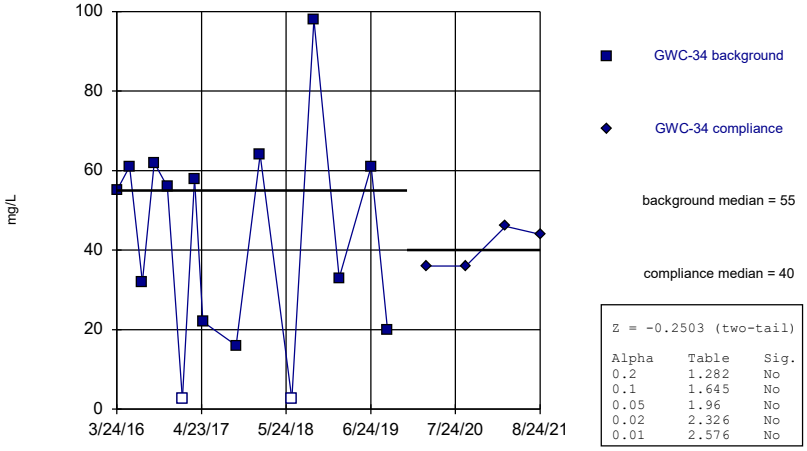
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-34



Z = -0.2503 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:01 PM View: Mann Whitney Appendi

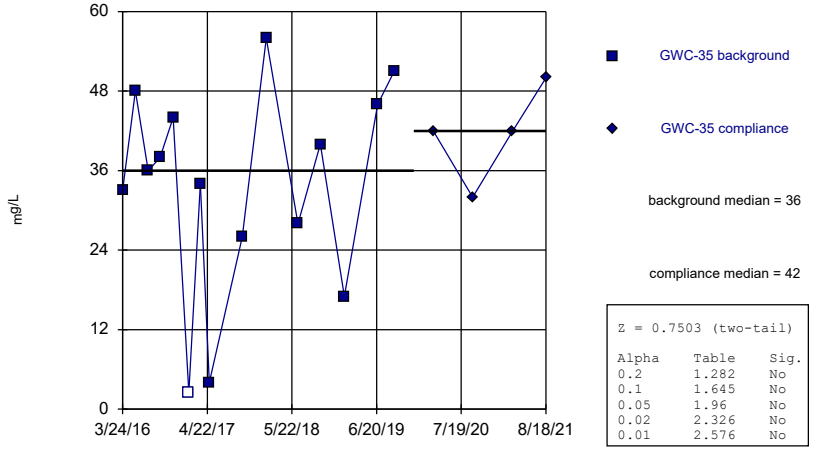
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Mann-Whitney (Wilcoxon Rank Sum)

GWC-35



Z = 0.7503 (two-tail)

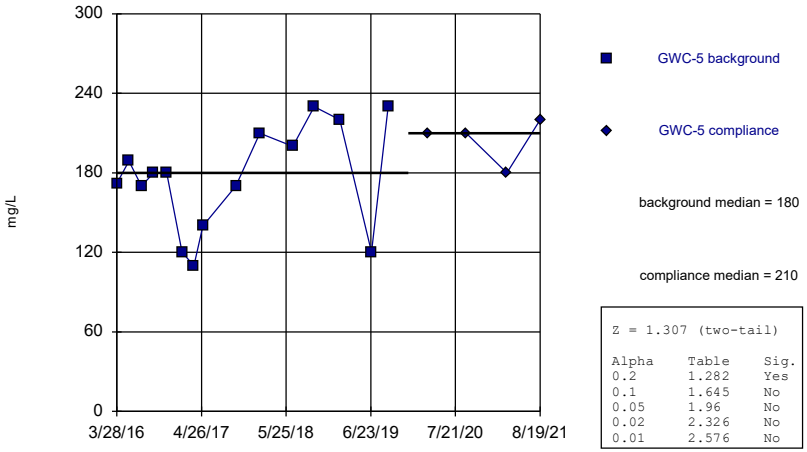
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:01 PM View: Mann Whitney Appendi

Plant Wansley Client: Southern Company Data: Wansley Landfill

Mann-Whitney (Wilcoxon Rank Sum)

GWC-5



Z = 1.307 (two-tail)

Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

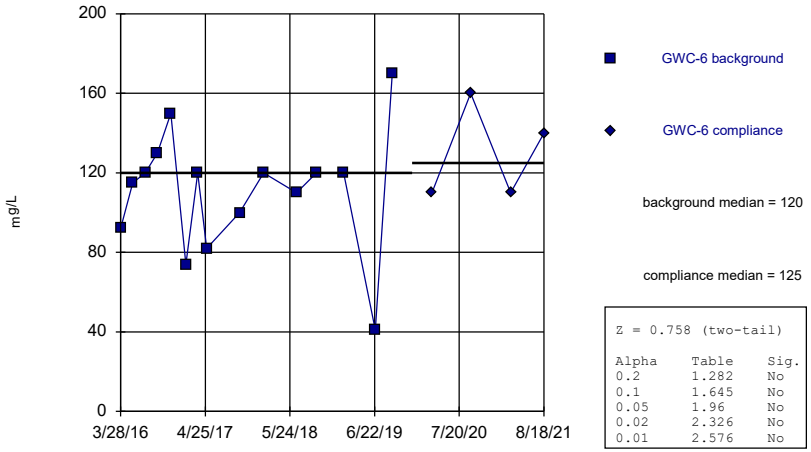
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:01 PM View: Mann Whitney Appendi

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-6



Z = 0.758 (two-tail)

Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

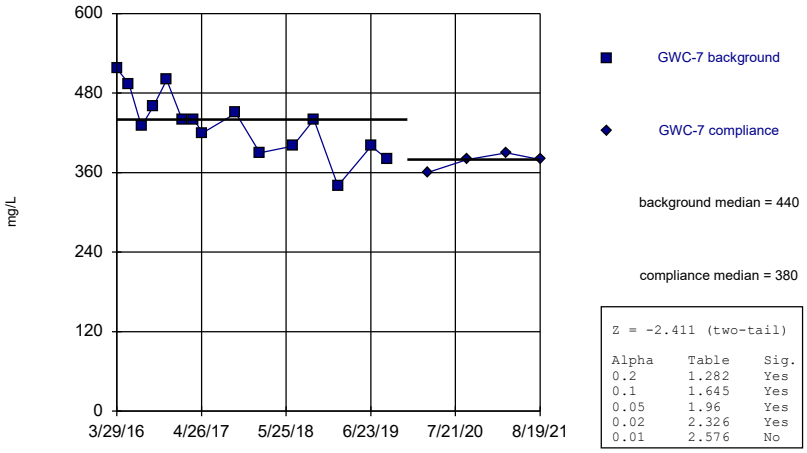
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:01 PM View: Mann Whitney Appendi

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-7



Z = -2.411 (two-tail)

Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	Yes
0.02	2.326	Yes
0.01	2.576	No

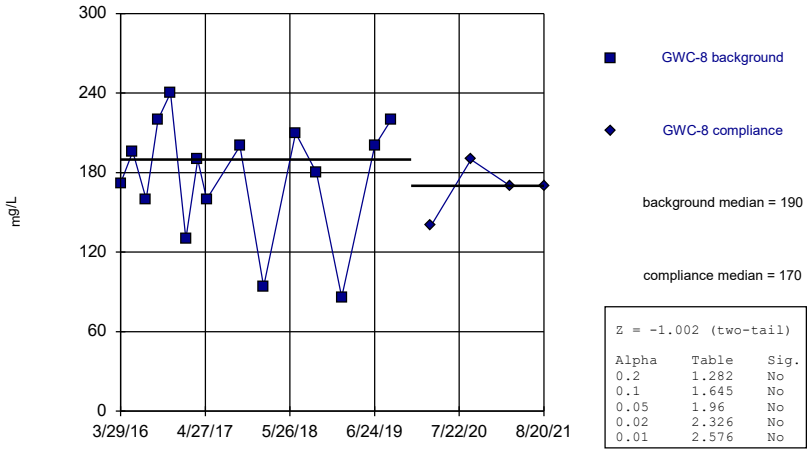
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:01 PM View: Mann Whitney Appendi

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Mann-Whitney (Wilcoxon Rank Sum)

GWC-8



Z = -1.002 (two-tail)

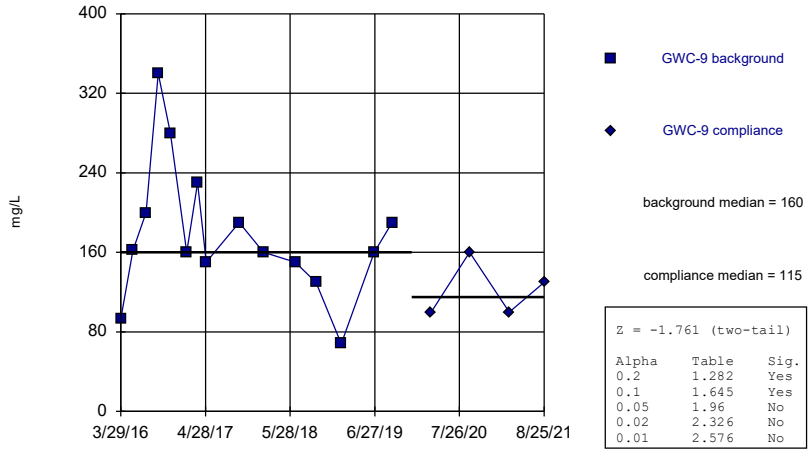
Alpha	Table	Sig.
0.2	1.282	No
0.1	1.645	No
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:01 PM View: Mann Whitney Appendi

Plant Wansley Client: Southern Company Data: Wansley Landfill

Mann-Whitney (Wilcoxon Rank Sum)

GWC-9



GWC-9 background

GWC-9 compliance

background median = 160

compliance median = 115

Z = -1.761 (two-tail)

Alpha	Table	Sig.
0.2	1.282	Yes
0.1	1.645	Yes
0.05	1.96	No
0.02	2.326	No
0.01	2.576	No

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 12:01 PM View: Mann Whitney Appendi

Plant Wansley Client: Southern Company Data: Wansley Landfill

FIGURE F.

Trend Test Summary Upgradient Wells - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 12:12 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Fluoride, total (mg/L)	**GWA-29 (bg)**	**-0.1366**	**-84**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Trend Test Summary Upgradient Wells - All Results

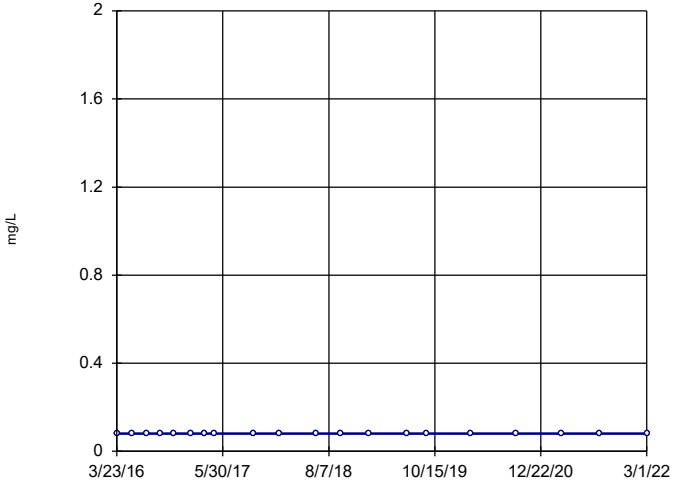
Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 12:12 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Boron, total (mg/L)	GWA-2 (bg)	0	0	81	No	20	100	n/a	n/a	0.01	NP
Boron, total (mg/L)	GWA-28 (bg)	0	0	81	No	20	100	n/a	n/a	0.01	NP
Boron, total (mg/L)	GWA-29 (bg)	0	8	74	No	19	94.74	n/a	n/a	0.01	NP
Boron, total (mg/L)	GWA-3 (bg)	0	0	48	No	14	100	n/a	n/a	0.01	NP
Boron, total (mg/L)	GWA-4 (bg)	0	0	81	No	20	100	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-2 (bg)	-0.02409	-15	-81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-28 (bg)	0.06237	59	81	No	20	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-29 (bg)	0.03216	17	74	No	19	5.263	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-3 (bg)	-2.387	-17	-43	No	13	0	n/a	n/a	0.01	NP
Calcium, total (mg/L)	GWA-4 (bg)	-0.8486	-69	-81	No	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-2 (bg)	0.1375	37	81	No	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-28 (bg)	0	-25	-81	No	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-29 (bg)	-0.03778	-47	-74	No	19	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-3 (bg)	5.8	42	43	No	13	7.692	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-4 (bg)	-1.144	-68	-81	No	20	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	GWA-2 (bg)	0	30	81	No	20	85	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	GWA-28 (bg)	0	9	81	No	20	0	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	**GWA-29 (bg)**	**-0.1366**	**-84**	**-74**	**Yes**	**19**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Fluoride, total (mg/L)	GWA-3 (bg)	-0.003068	-15	-43	No	13	30.77	n/a	n/a	0.01	NP
Fluoride, total (mg/L)	GWA-4 (bg)	-0.01234	-79	-81	No	20	45	n/a	n/a	0.01	NP

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-2 (bg)



n = 20

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 81

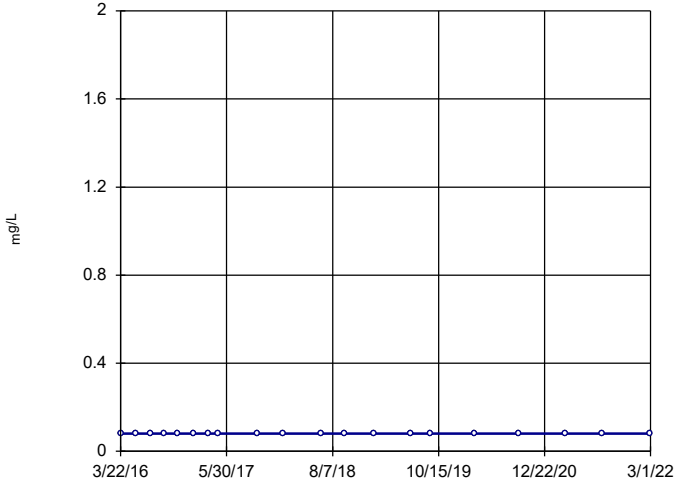
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Boron, total Analysis Run 5/11/2022 12:11 PM View: Trend Tests - Upgradient Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-28 (bg)



n = 20

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 81

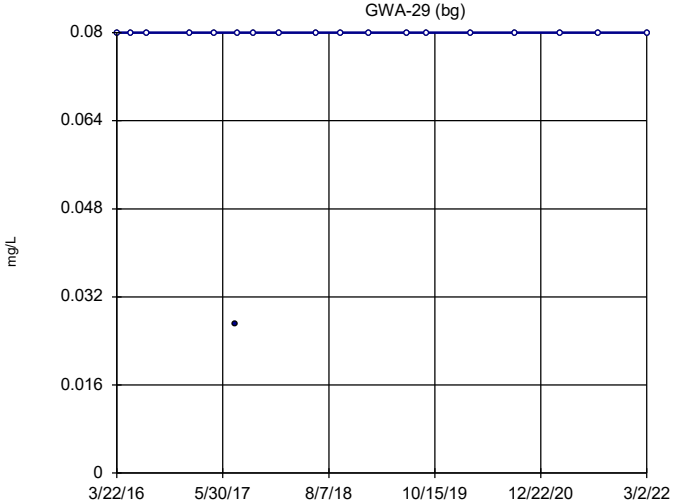
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Boron, total Analysis Run 5/11/2022 12:11 PM View: Trend Tests - Upgradient Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-29 (bg)



n = 19

Slope = 0
units per year.

Mann-Kendall
statistic = 8
critical = 74

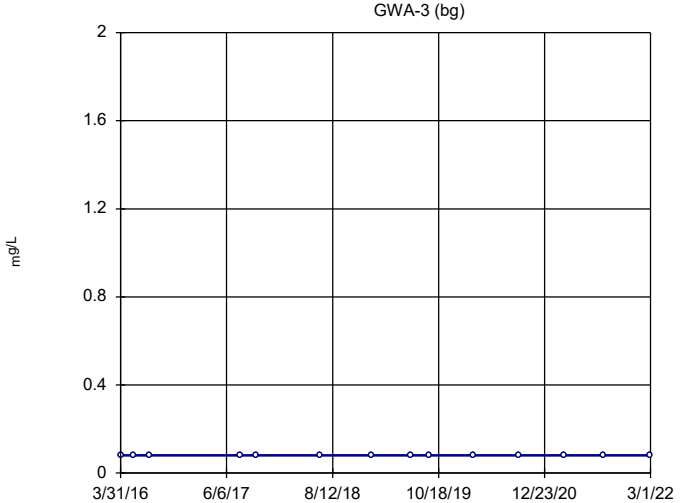
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Boron, total Analysis Run 5/11/2022 12:11 PM View: Trend Tests - Upgradient Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-3 (bg)



n = 14

Slope = 0
units per year.

Mann-Kendall
statistic = 0
critical = 48

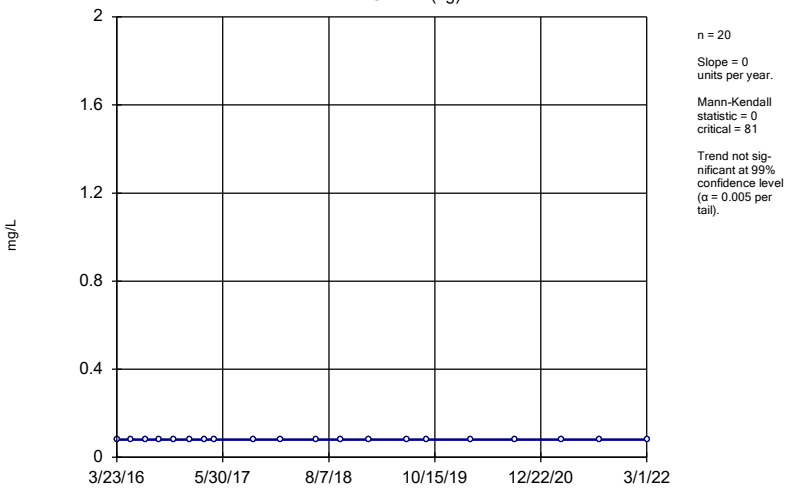
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Boron, total Analysis Run 5/11/2022 12:11 PM View: Trend Tests - Upgradient Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-4 (bg)

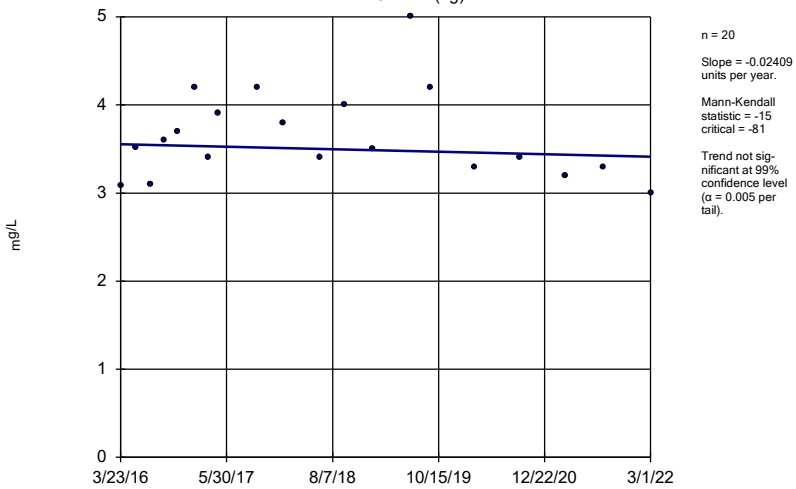


Constituent: Boron, total Analysis Run 5/11/2022 12:11 PM View: Trend Tests - Upgradient Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-2 (bg)

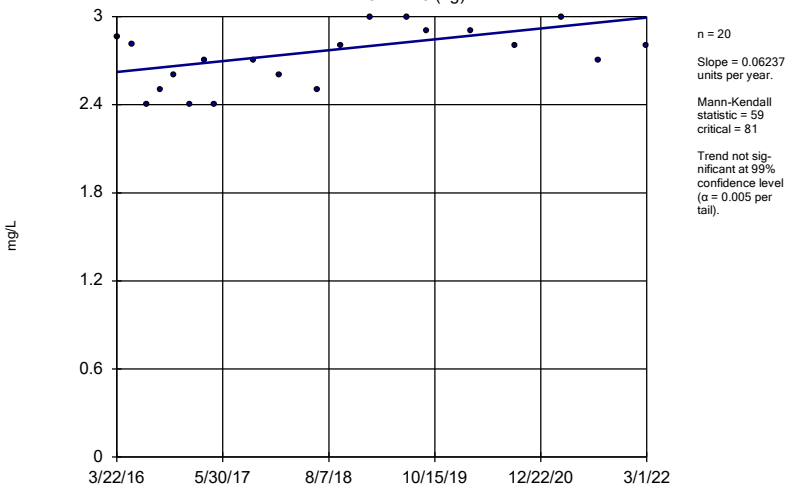


Constituent: Calcium, total Analysis Run 5/11/2022 12:11 PM View: Trend Tests - Upgradient Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-28 (bg)

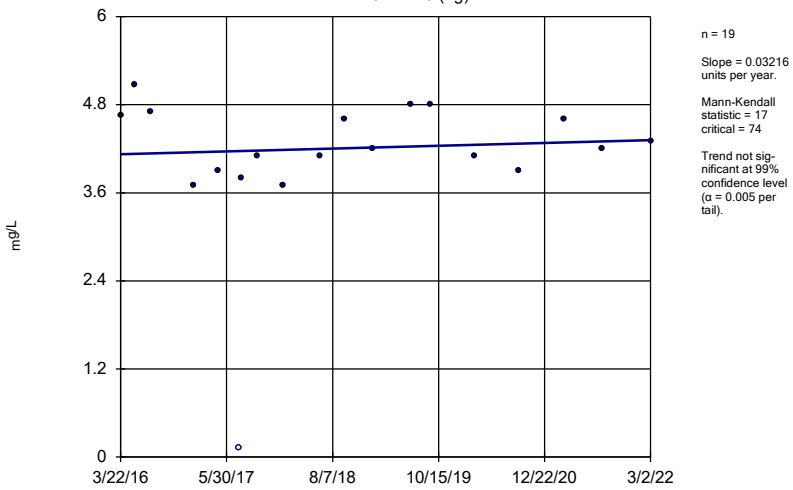


Constituent: Calcium, total Analysis Run 5/11/2022 12:11 PM View: Trend Tests - Upgradient Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

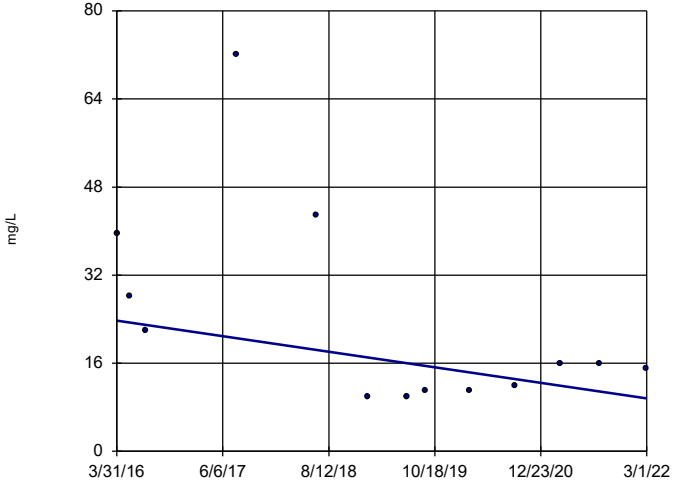
GWA-29 (bg)



Constituent: Calcium, total Analysis Run 5/11/2022 12:11 PM View: Trend Tests - Upgradient Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sen's Slope Estimator

GWA-3 (bg)



n = 13

Slope = -2.387 units per year.

Mann-Kendall statistic = -17 critical = -43

Trend not significant at 99% confidence level (α = 0.005 per tail).

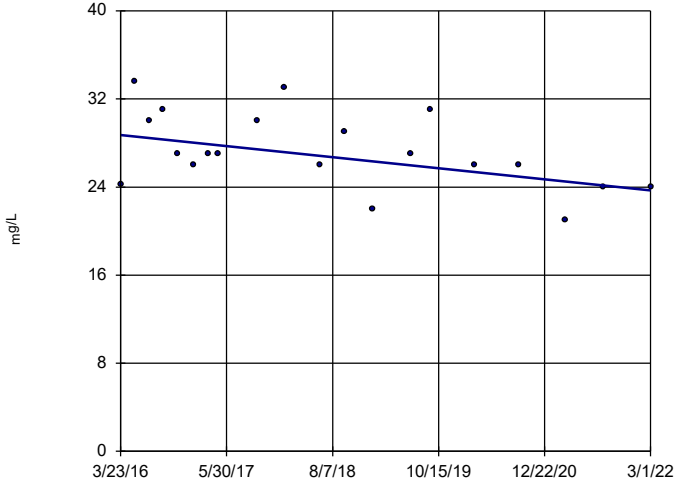
Constituent: Calcium, total Analysis Run 5/11/2022 12:11 PM View: Trend Tests - Upgradient Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-4 (bg)



n = 20

Slope = -0.8486 units per year.

Mann-Kendall statistic = -69 critical = -81

Trend not significant at 99% confidence level (α = 0.005 per tail).

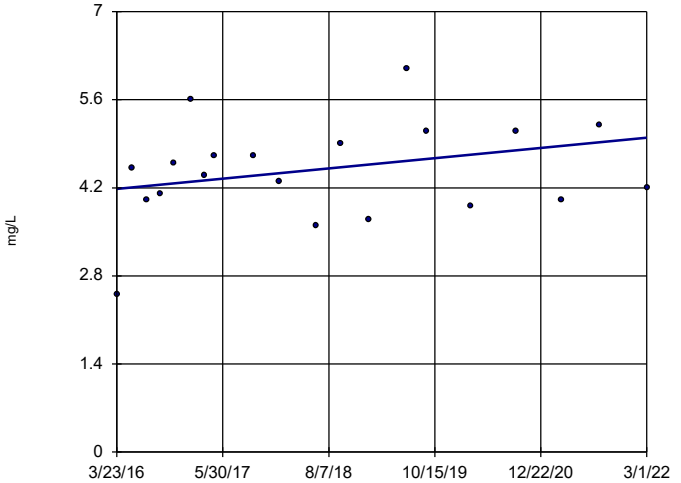
Constituent: Calcium, total Analysis Run 5/11/2022 12:11 PM View: Trend Tests - Upgradient Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-2 (bg)



n = 20

Slope = 0.1375 units per year.

Mann-Kendall statistic = 37 critical = 81

Trend not significant at 99% confidence level (α = 0.005 per tail).

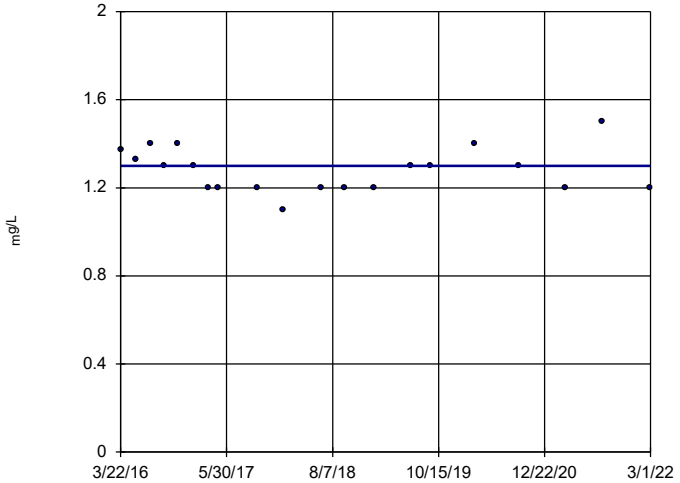
Constituent: Chloride, Total Analysis Run 5/11/2022 12:11 PM View: Trend Tests - Upgradient Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-28 (bg)



n = 20

Slope = 0 units per year.

Mann-Kendall statistic = -25 critical = -81

Trend not significant at 99% confidence level (α = 0.005 per tail).

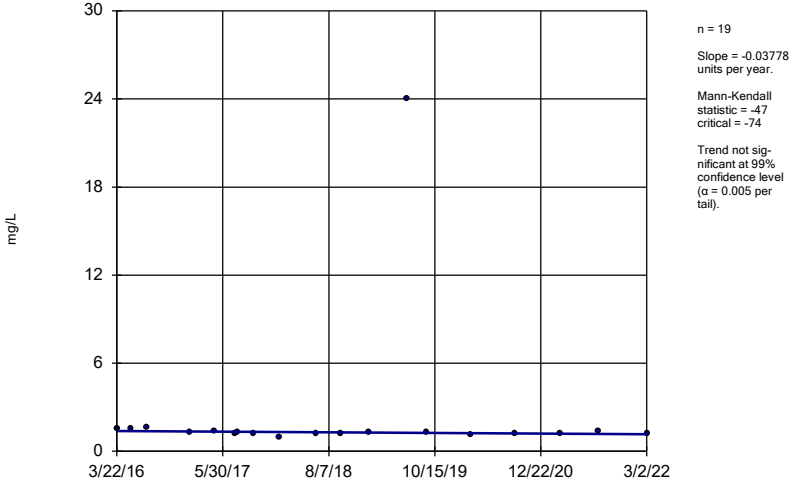
Constituent: Chloride, Total Analysis Run 5/11/2022 12:11 PM View: Trend Tests - Upgradient Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-29 (bg)



n = 19

Slope = -0.03778 units per year.

Mann-Kendall statistic = -47
critical = -74

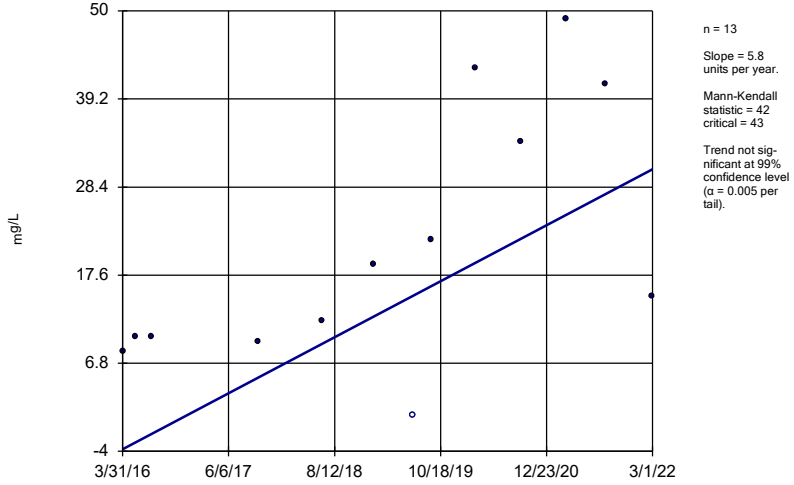
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 5/11/2022 12:11 PM View: Trend Tests - Upgradient Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-3 (bg)



n = 13

Slope = 5.8 units per year.

Mann-Kendall statistic = 42
critical = 43

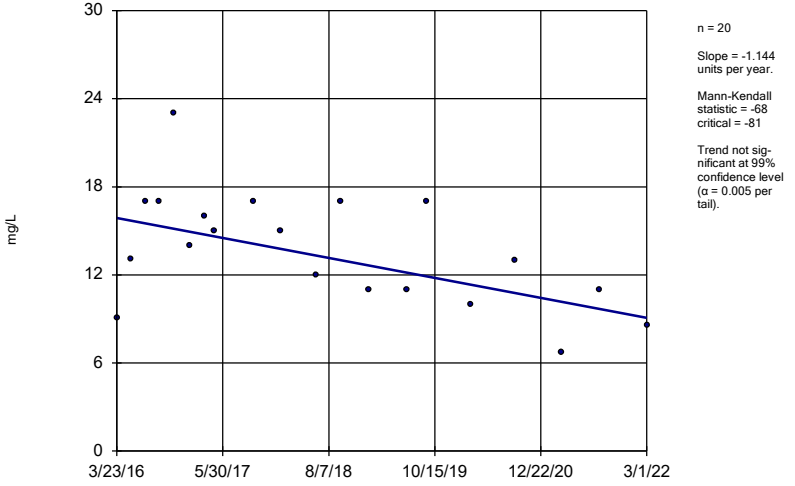
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 5/11/2022 12:11 PM View: Trend Tests - Upgradient Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-4 (bg)



n = 20

Slope = -1.144 units per year.

Mann-Kendall statistic = -68
critical = -81

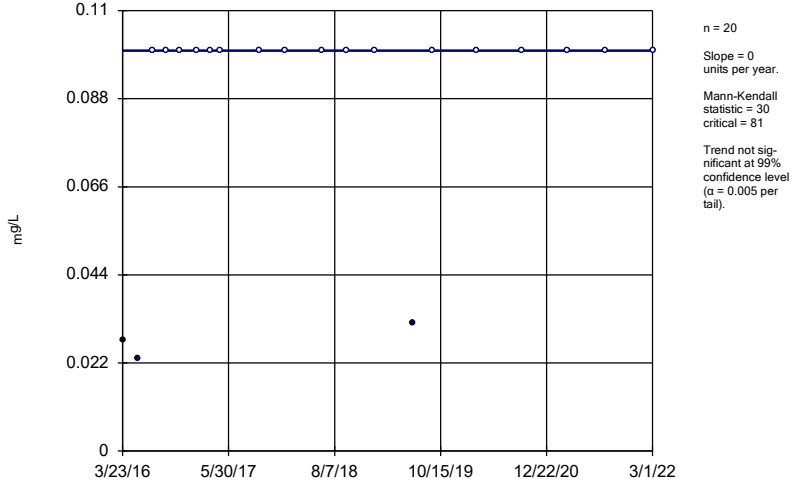
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 5/11/2022 12:11 PM View: Trend Tests - Upgradient Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-2 (bg)



n = 20

Slope = 0 units per year.

Mann-Kendall statistic = 30
critical = 81

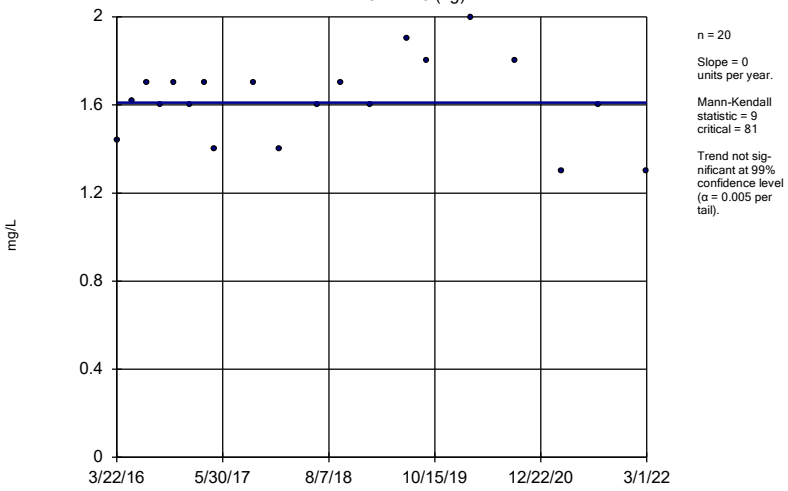
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 5/11/2022 12:11 PM View: Trend Tests - Upgradient Wells
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-28 (bg)



n = 20

Slope = 0 units per year.

Mann-Kendall statistic = 9
critical = 81

Trend not significant at 99% confidence level (α = 0.005 per tail).

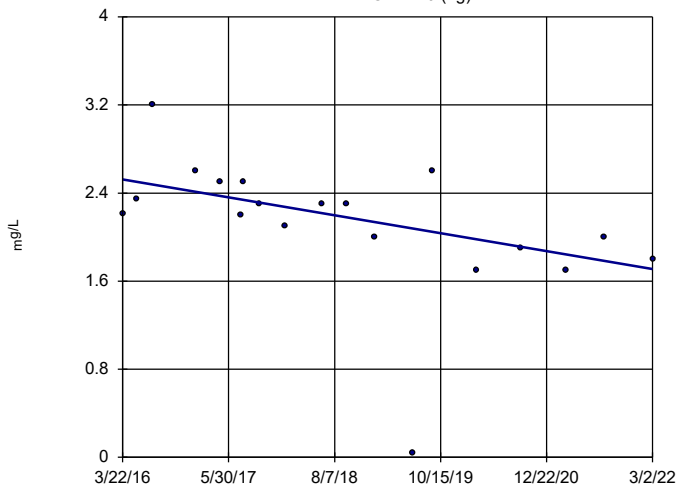
Constituent: Fluoride, total Analysis Run 5/11/2022 12:11 PM View: Trend Tests - Upgradient Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-29 (bg)



n = 19

Slope = -0.1366 units per year.

Mann-Kendall statistic = -84
critical = -74

Decreasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 5/11/2022 12:11 PM View: Trend Tests - Upgradient Wells

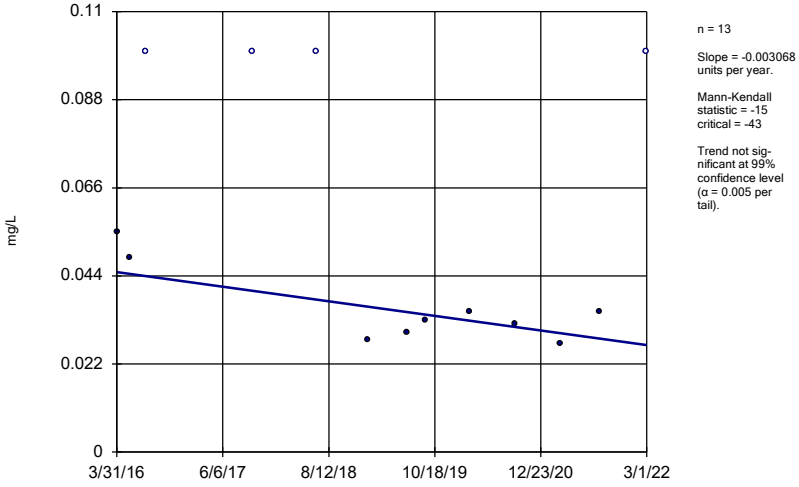
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-3 (bg)



n = 13

Slope = -0.003068 units per year.

Mann-Kendall statistic = -15
critical = -43

Trend not significant at 99% confidence level (α = 0.005 per tail).

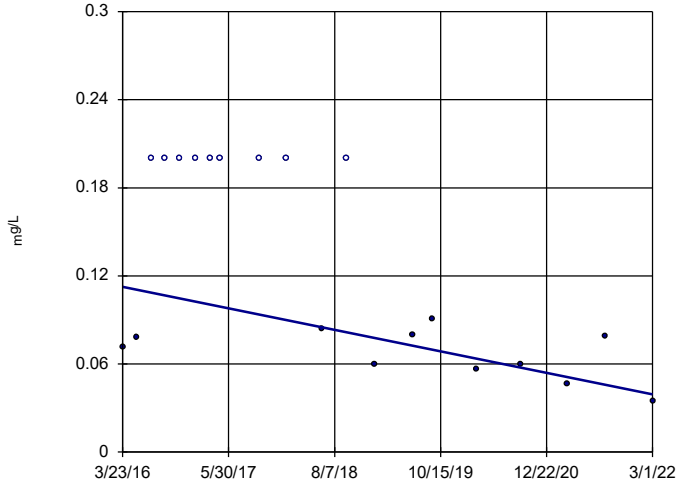
Constituent: Fluoride, total Analysis Run 5/11/2022 12:11 PM View: Trend Tests - Upgradient Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-4 (bg)



n = 20

Slope = -0.01234 units per year.

Mann-Kendall statistic = -79
critical = -81

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Fluoride, total Analysis Run 5/11/2022 12:11 PM View: Trend Tests - Upgradient Wells

Plant Wansley Client: Southern Company Data: Wansley Landfill

FIGURE G.

Intrawell Prediction Limits Appendix I - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 1:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Copper (mg/L)	**GWC-22**	**0.002**	**n/a**	**3/8/2022**	**0.0024**	**Yes**	**23**	**n/a**	**n/a**	**95.65**	**n/a**	**n/a**	**0.003415**	**NP Intra (NDs) 1 of 2**
Mercury (mg/L)	**GWC-14**	**0.0002**	**n/a**	**3/7/2022**	**0.00023**	**Yes**	**30**	**n/a**	**n/a**	**83.33**	**n/a**	**n/a**	**0.002008**	**NP Intra (NDs) 1 of 2**
Zinc (mg/L)	**GWC-33**	**0.01254**	**n/a**	**3/9/2022**	**0.12**	**Yes**	**22**	**0.005835**	**0.002382**	**27.27**	**Kaplan-Meier**	**No**	**0.0001135**	**Param Intra 1 of 2**

Intrawell Prediction Limits Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 1:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-2	0.0021	n/a	3/1/2022	0.002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-28	0.0021	n/a	3/1/2022	0.002ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-29	0.002	n/a	3/2/2022	0.002ND	No	28	n/a	n/a	85.71	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-3	0.002	n/a	3/1/2022	0.002ND	No	16	n/a	n/a	87.5	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-10	0.002	n/a	3/8/2022	0.002ND	No	19	n/a	n/a	89.47	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-11	0.0023	n/a	3/7/2022	0.002ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-13	0.002	n/a	3/8/2022	0.0011J	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-18	0.0022	n/a	3/8/2022	0.002ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-22	0.002	n/a	3/8/2022	0.002ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-23	0.002	n/a	3/9/2022	0.002ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-24	0.002	n/a	3/10/2022	0.002ND	No	21	n/a	n/a	71.43	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-25	0.002	n/a	3/8/2022	0.002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-26	0.002	n/a	3/9/2022	0.002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-27	0.002	n/a	3/8/2022	0.00064J	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-30	0.002	n/a	3/2/2022	0.002ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-31	0.0027	n/a	3/10/2022	0.002ND	No	25	n/a	n/a	88	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-32	0.002	n/a	3/9/2022	0.002ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-33	0.002	n/a	3/9/2022	0.002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-5	0.0024	n/a	3/2/2022	0.002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-6	0.002	n/a	3/2/2022	0.002ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-1	0.001	n/a	2/28/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-2	0.001	n/a	3/1/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-28	0.001	n/a	3/1/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-29	0.001	n/a	3/2/2022	0.001ND	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-3	0.001	n/a	3/1/2022	0.001ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWA-4	0.0011	n/a	3/1/2022	0.001ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-11	0.005	n/a	3/7/2022	0.00088J	No	30	n/a	n/a	40	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Arsenic (mg/L)	GWC-12	0.001	n/a	3/7/2022	0.0005J	No	29	n/a	n/a	86.21	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-13	0.0012	n/a	3/8/2022	0.001ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-14	0.001	n/a	3/7/2022	0.001ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-16	0.001	n/a	3/8/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-17	0.001	n/a	3/8/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-18	0.001	n/a	3/8/2022	0.001ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-19	0.0013	n/a	3/8/2022	0.001ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-20	0.001	n/a	3/7/2022	0.001ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-21	0.001	n/a	3/7/2022	0.001ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-22	0.001	n/a	3/8/2022	0.001ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-23	0.001	n/a	3/9/2022	0.001ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-24	0.001	n/a	3/10/2022	0.001ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-25	0.001	n/a	3/8/2022	0.001ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-26	0.001	n/a	3/9/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-31	0.0012	n/a	3/10/2022	0.001ND	No	25	n/a	n/a	84	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-32	0.001	n/a	3/9/2022	0.001ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-33	0.0013	n/a	3/9/2022	0.001ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-34	0.0012	n/a	3/2/2022	0.001ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-35	0.001	n/a	3/2/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-5	0.0014	n/a	3/2/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-6	0.001	n/a	3/2/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-7	0.0012	n/a	3/2/2022	0.001ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Arsenic (mg/L)	GWC-8	0.001	n/a	3/2/2022	0.001ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2

Intrawell Prediction Limits Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 1:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Arsenic (mg/L)	GWC-9	0.0011	n/a	3/9/2022	0.001ND	No	30	n/a	n/a	63.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Barium (mg/L)	GWA-1	0.013	n/a	2/28/2022	0.01	No	30	n/a	n/a	0	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Barium (mg/L)	GWA-2	0.02277	n/a	3/1/2022	0.012	No	30	0.01377	0.003399	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWA-28	0.005	n/a	3/1/2022	0.005ND	No	30	n/a	n/a	43.33	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Barium (mg/L)	GWA-29	0.005	n/a	3/2/2022	0.005ND	No	28	n/a	n/a	25	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Barium (mg/L)	GWA-3	0.1	n/a	3/1/2022	0.078	No	16	n/a	n/a	0	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Barium (mg/L)	GWA-4	0.1973	n/a	3/1/2022	0.12	No	30	0.1212	0.02874	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-10	0.03847	n/a	3/8/2022	0.013	No	19	0.02062	0.006124	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-11	0.5065	n/a	3/7/2022	0.16	No	30	0.2701	0.08927	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-12	0.03056	n/a	3/7/2022	0.025	No	30	0.01744	0.004957	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-13	0.006068	n/a	3/8/2022	0.0034J	No	30	0.05896	0.007153	0	None	sqrt(x)	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-15	0.01474	n/a	3/7/2022	0.011	No	30	0.009139	0.002115	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-16	0.02	n/a	3/8/2022	0.018	No	30	n/a	n/a	0	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-17	0.02006	n/a	3/8/2022	0.016	No	30	0.01619	0.001462	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-18	0.04361	n/a	3/8/2022	0.04	No	30	0.03411	0.003588	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-19	0.1462	n/a	3/8/2022	0.12	No	30	0.06883	0.02923	3.333	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-20	0.03937	n/a	3/7/2022	0.032	No	30	0.03377	0.002115	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-21	0.07421	n/a	3/7/2022	0.063	No	30	0.1589	0.04287	0	None	sqrt(x)	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-22	0.02984	n/a	3/8/2022	0.026	No	30	0.02541	0.001673	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-23	0.01228	n/a	3/9/2022	0.0041J	No	30	0.07888	0.01206	0	None	sqrt(x)	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-24	0.03512	n/a	3/10/2022	0.0095J	No	21	0.01573	0.006823	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-25	0.0594	n/a	3/8/2022	0.023	No	29	0.03204	0.01027	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-26	0.04286	n/a	3/9/2022	0.037	No	30	0.001145	0.0002614	0	None	x^2	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-27	0.02218	n/a	3/8/2022	0.015	No	30	0.01199	0.003849	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-30	0.01208	n/a	3/2/2022	0.0072J	No	30	-4.911	0.1869	0	None	ln(x)	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-31	0.009994	n/a	3/10/2022	0.005ND	No	25	0.0587	0.0151	4	None	sqrt(x)	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-32	0.005	n/a	3/9/2022	0.005ND	No	30	n/a	n/a	23.33	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Barium (mg/L)	GWC-33	0.01825	n/a	3/9/2022	0.006J	No	29	0.008559	0.003636	3.448	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-34	0.0143	n/a	3/2/2022	0.012	No	29	0.0114	0.001086	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-35	0.02298	n/a	3/2/2022	0.022	No	30	0.02009	0.001091	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-5	0.03486	n/a	3/2/2022	0.024	No	30	0.02349	0.004292	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-6	0.07527	n/a	3/2/2022	0.054	No	30	0.05515	0.007597	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-7	0.1554	n/a	3/2/2022	0.071	No	30	0.09252	0.02374	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-8	0.1262	n/a	3/2/2022	0.037	No	30	0.2426	0.04256	0	None	sqrt(x)	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-9	0.2374	n/a	3/9/2022	0.094	No	30	0.1338	0.0391	0	None	No	0.0001135	Param Intra 1 of 2
Beryllium (mg/L)	GWA-1	0.0025	n/a	2/28/2022	0.0025ND	No	30	n/a	n/a	83.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-2	0.0025	n/a	3/1/2022	0.0025ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWA-28	0.0025	n/a	3/1/2022	0.00042J	No	30	n/a	n/a	33.33	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Beryllium (mg/L)	GWA-29	0.003005	n/a	3/2/2022	0.002J	No	28	0.002036	0.0003611	7.143	None	No	0.0001135	Param Intra 1 of 2
Beryllium (mg/L)	GWA-3	0.0025	n/a	3/1/2022	0.0025ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-11	0.0025	n/a	3/7/2022	0.0025ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-12	0.0025	n/a	3/7/2022	0.0025ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-14	0.0025	n/a	3/7/2022	0.00051J	No	30	n/a	n/a	50	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Beryllium (mg/L)	GWC-15	0.0025	n/a	3/7/2022	0.0025ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-16	0.0025	n/a	3/8/2022	0.0025ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-17	0.0025	n/a	3/8/2022	0.0025ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-18	0.0025	n/a	3/8/2022	0.0025ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-19	0.0025	n/a	3/8/2022	0.0025ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-20	0.0025	n/a	3/7/2022	0.0025ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-21	0.0025	n/a	3/7/2022	0.0025ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2

Intrawell Prediction Limits Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 1:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium (mg/L)	GWC-22	0.0025	n/a	3/8/2022	0.0025ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-23	0.0025	n/a	3/9/2022	0.0025ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-24	0.0025	n/a	3/10/2022	0.0025ND	No	21	n/a	n/a	71.43	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-25	0.0025	n/a	3/8/2022	0.0025ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-26	0.0025	n/a	3/9/2022	0.0025ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-27	0.008676	n/a	3/8/2022	0.0048	No	30	0.00337	0.002004	10	None	No	0.0001135	Param Intra 1 of 2
Beryllium (mg/L)	GWC-30	0.0025	n/a	3/2/2022	0.0025ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-31	0.003	n/a	3/10/2022	0.00074J	No	25	n/a	n/a	24	n/a	n/a	0.002832	NP Intra (normality) 1 of 2
Beryllium (mg/L)	GWC-32	0.002083	n/a	3/9/2022	0.001J	No	31	0.001036	0.0003974	22.58	Kaplan-Meier	No	0.0001135	Param Intra 1 of 2
Beryllium (mg/L)	GWC-33	0.0025	n/a	3/9/2022	0.0025ND	No	29	n/a	n/a	34.48	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Beryllium (mg/L)	GWC-34	0.0025	n/a	3/2/2022	0.0025ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-35	0.0025	n/a	3/2/2022	0.0025ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-6	0.0025	n/a	3/2/2022	0.0025ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-8	0.0025	n/a	3/2/2022	0.0025ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-9	0.0025	n/a	3/9/2022	0.0025ND	No	30	n/a	n/a	80	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-1	0.0025	n/a	2/28/2022	0.0025ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-29	0.0025	n/a	3/2/2022	0.0025ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-3	0.0025	n/a	3/1/2022	0.0025ND	No	16	n/a	n/a	75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-11	0.0025	n/a	3/7/2022	0.0025ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-14	0.0025	n/a	3/7/2022	0.0025ND	No	30	n/a	n/a	60	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-19	0.0025	n/a	3/8/2022	0.00097J	No	30	n/a	n/a	100	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-21	0.0025	n/a	3/7/2022	0.0025ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-22	0.0025	n/a	3/8/2022	0.0025ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-24	0.0025	n/a	3/10/2022	0.0025ND	No	21	n/a	n/a	90.48	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-25	0.0025	n/a	3/8/2022	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-8	0.0025	n/a	3/2/2022	0.0025ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-1	0.0042	n/a	2/28/2022	0.002ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-2	0.0022	n/a	3/1/2022	0.002ND	No	30	n/a	n/a	83.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-28	0.0044	n/a	3/1/2022	0.002ND	No	29	n/a	n/a	79.31	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-29	0.003	n/a	3/2/2022	0.002ND	No	26	n/a	n/a	80.77	n/a	n/a	0.002667	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-3	0.0027	n/a	3/1/2022	0.002ND	No	16	n/a	n/a	81.25	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-4	0.0022	n/a	3/1/2022	0.002ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-10	0.0029	n/a	3/8/2022	0.002ND	No	19	n/a	n/a	84.21	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-11	0.01	n/a	3/7/2022	0.0016J	No	30	n/a	n/a	13.33	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-12	0.0023	n/a	3/7/2022	0.002ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-13	0.0027	n/a	3/8/2022	0.002ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-14	0.0023	n/a	3/7/2022	0.002ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-15	0.0022	n/a	3/7/2022	0.002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-16	0.005	n/a	3/8/2022	0.0022	No	27	n/a	n/a	7.407	n/a	n/a	0.002502	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-17	0.0042	n/a	3/8/2022	0.002ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-18	0.0022	n/a	3/8/2022	0.002ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-19	0.0024	n/a	3/8/2022	0.002ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-20	0.0027	n/a	3/7/2022	0.002ND	No	30	n/a	n/a	83.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-21	0.0022	n/a	3/7/2022	0.002ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-22	0.003	n/a	3/8/2022	0.002ND	No	30	n/a	n/a	60	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-23	0.0024	n/a	3/9/2022	0.002ND	No	30	n/a	n/a	73.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-24	0.0027	n/a	3/10/2022	0.002ND	No	21	n/a	n/a	80.95	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-25	0.0043	n/a	3/8/2022	0.002ND	No	27	n/a	n/a	66.67	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-26	0.0033	n/a	3/9/2022	0.002ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-27	0.0024	n/a	3/8/2022	0.002ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2

Intrawell Prediction Limits Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 1:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	GWC-30	0.0025	n/a	3/2/2022	0.002ND	No	30	n/a	n/a	83.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-31	0.012	n/a	3/10/2022	0.002ND	No	25	n/a	n/a	20	n/a	n/a	0.002832	NP Intra (normality) 1 of 2
Chromium (mg/L)	GWC-32	0.0024	n/a	3/9/2022	0.002ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-33	0.0034	n/a	3/9/2022	0.002ND	No	29	n/a	n/a	68.97	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-34	0.0034	n/a	3/2/2022	0.002ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-35	0.0026	n/a	3/2/2022	0.002ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-5	0.0033	n/a	3/2/2022	0.002ND	No	29	n/a	n/a	72.41	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-6	0.0049	n/a	3/2/2022	0.002ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-7	0.0021	n/a	3/2/2022	0.002ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-8	0.0027	n/a	3/2/2022	0.002ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWC-9	0.0048	n/a	3/9/2022	0.002ND	No	29	n/a	n/a	37.93	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWA-1	0.0025	n/a	2/28/2022	0.00087J	No	30	n/a	n/a	76.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-2	0.0025	n/a	3/1/2022	0.0025ND	No	30	n/a	n/a	60	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-29	0.0025	n/a	3/2/2022	0.0025ND	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-3	0.0028	n/a	3/1/2022	0.00052J	No	16	n/a	n/a	37.5	n/a	n/a	0.006456	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWA-4	0.01416	n/a	3/1/2022	0.0067	No	30	0.0724	0.0176	6.667	None	sqrt(x)	0.0001135	Param Intra 1 of 2
Cobalt (mg/L)	GWC-10	0.01381	n/a	3/8/2022	0.0028	No	19	0.005569	0.002826	0	None	No	0.0001135	Param Intra 1 of 2
Cobalt (mg/L)	GWC-11	0.01718	n/a	3/7/2022	0.0016J	No	30	0.006808	0.003916	0	None	No	0.0001135	Param Intra 1 of 2
Cobalt (mg/L)	GWC-12	0.0043	n/a	3/7/2022	0.00071J	No	30	n/a	n/a	76.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-14	0.4341	n/a	3/7/2022	0.19	No	19	0.1446	0.09929	0	None	No	0.0001135	Param Intra 1 of 2
Cobalt (mg/L)	GWC-15	0.0025	n/a	3/7/2022	0.0025ND	No	30	n/a	n/a	63.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-16	0.0025	n/a	3/8/2022	0.0025ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-19	0.003437	n/a	3/8/2022	0.00038J	No	29	0.02856	0.01128	31.03	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
Cobalt (mg/L)	GWC-20	0.0025	n/a	3/7/2022	0.0025ND	No	30	n/a	n/a	80	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-21	0.005773	n/a	3/7/2022	0.0026	No	30	0.002045	0.001408	23.33	Kaplan-Meier	No	0.0001135	Param Intra 1 of 2
Cobalt (mg/L)	GWC-22	0.0025	n/a	3/8/2022	0.0025ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-23	0.0027	n/a	3/9/2022	0.0025ND	No	28	n/a	n/a	57.14	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-24	0.01656	n/a	3/10/2022	0.0011J	No	21	-6.308	0.7767	9.524	None	ln(x)	0.0001135	Param Intra 1 of 2
Cobalt (mg/L)	GWC-25	0.05782	n/a	3/8/2022	0.0023J	No	29	0.1017	0.05208	6.897	None	sqrt(x)	0.0001135	Param Intra 1 of 2
Cobalt (mg/L)	GWC-26	0.0025	n/a	3/9/2022	0.0025ND	No	30	n/a	n/a	76.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-27	0.004438	n/a	3/8/2022	0.0013J	No	30	0.002468	0.000744	13.33	None	No	0.0001135	Param Intra 1 of 2
Cobalt (mg/L)	GWC-31	0.0025	n/a	3/10/2022	0.0025ND	No	25	n/a	n/a	84	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-32	0.0025	n/a	3/9/2022	0.0025ND	No	30	n/a	n/a	60	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-33	0.01434	n/a	3/9/2022	0.00031J	No	29	0.04625	0.02758	17.24	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
Cobalt (mg/L)	GWC-34	0.0025	n/a	3/2/2022	0.0025ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWC-35	0.0025	n/a	3/2/2022	0.0025ND	No	30	n/a	n/a	46.67	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Cobalt (mg/L)	GWC-5	0.02383	n/a	3/2/2022	0.0048	No	24	0.009045	0.005357	0	None	No	0.0001135	Param Intra 1 of 2
Cobalt (mg/L)	GWC-6	0.02076	n/a	3/2/2022	0.011	No	28	0.0131	0.002856	0	None	No	0.0001135	Param Intra 1 of 2
Cobalt (mg/L)	GWC-7	0.01273	n/a	3/2/2022	0.00043J	No	22	0.004127	0.003055	0	None	No	0.0001135	Param Intra 1 of 2
Cobalt (mg/L)	GWC-8	0.07953	n/a	3/2/2022	0.005	No	28	0.0319	0.01776	0	None	No	0.0001135	Param Intra 1 of 2
Cobalt (mg/L)	GWC-9	0.15	n/a	3/9/2022	0.024	No	29	n/a	n/a	3.448	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Copper (mg/L)	GWA-2	0.002	n/a	3/1/2022	0.002ND	No	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-28	0.002	n/a	3/1/2022	0.002ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-29	0.02264	n/a	3/2/2022	0.0053	No	23	0.0925	0.0208	13.04	None	sqrt(x)	0.0001135	Param Intra 1 of 2
Copper (mg/L)	GWA-3	0.00559	n/a	3/1/2022	0.0025	No	10	0.04427	0.008099	50	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
Copper (mg/L)	GWC-10	0.002	n/a	3/8/2022	0.002ND	No	9	n/a	n/a	77.78	n/a	n/a	0.01809	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-11	0.0034	n/a	3/7/2022	0.002ND	No	23	n/a	n/a	82.61	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-12	0.002	n/a	3/7/2022	0.002ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-13	0.0021	n/a	3/8/2022	0.002ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-14	0.002	n/a	3/7/2022	0.002ND	No	22	n/a	n/a	86.36	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2

Intrawell Prediction Limits Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 1:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Copper (mg/L)	GWC-15	0.003	n/a	3/7/2022	0.002ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-16	0.002	n/a	3/8/2022	0.002ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-17	0.002	n/a	3/8/2022	0.002ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-19	0.002	n/a	3/8/2022	0.002ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-20	0.0025	n/a	3/7/2022	0.002ND	No	22	n/a	n/a	90.91	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-21	0.002	n/a	3/7/2022	0.002ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	**GWC-22**	**0.002**	**n/a**	**3/8/2022**	**0.0024**	**Yes**	**23**	**n/a**	**n/a**	**95.65**	**n/a**	**n/a**	**0.003415**	**NP Intra (NDs) 1 of 2**
Copper (mg/L)	GWC-23	0.002	n/a	3/9/2022	0.002ND	No	23	n/a	n/a	78.26	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-24	0.00343	n/a	3/10/2022	0.002ND	No	12	0.001234	0.0006425	41.67	Kaplan-Meier	No	0.0001135	Param Intra 1 of 2
Copper (mg/L)	GWC-25	0.0034	n/a	3/8/2022	0.002ND	No	22	n/a	n/a	50	n/a	n/a	0.003707	NP Intra (normality) 1 of 2
Copper (mg/L)	GWC-26	0.0027	n/a	3/9/2022	0.002ND	No	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-27	0.002	n/a	3/8/2022	0.002ND	No	22	n/a	n/a	86.36	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-31	0.007662	n/a	3/10/2022	0.002ND	No	20	0.04559	0.01462	35	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
Copper (mg/L)	GWC-33	0.002	n/a	3/9/2022	0.002ND	No	22	n/a	n/a	90.91	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-34	0.002	n/a	3/2/2022	0.002ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-35	0.002	n/a	3/2/2022	0.002ND	No	23	n/a	n/a	78.26	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-5	0.002	n/a	3/2/2022	0.002ND	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-6	0.0031	n/a	3/2/2022	0.002ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-8	0.0035	n/a	3/2/2022	0.0019J	No	23	n/a	n/a	52.17	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-9	0.0026	n/a	3/9/2022	0.002ND	No	23	n/a	n/a	82.61	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-2	0.001	n/a	3/1/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-28	0.001	n/a	3/1/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-29	0.001	n/a	3/2/2022	0.001ND	No	28	n/a	n/a	82.14	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-3	0.002	n/a	3/1/2022	0.001ND	No	16	n/a	n/a	75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-4	0.001	n/a	3/1/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-10	0.0022	n/a	3/8/2022	0.001ND	No	20	n/a	n/a	70	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-11	0.001	n/a	3/7/2022	0.001ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-12	0.001	n/a	3/7/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-15	0.001	n/a	3/7/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-17	0.001	n/a	3/8/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-18	0.001	n/a	3/8/2022	0.001ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-19	0.0013	n/a	3/8/2022	0.001ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-20	0.001	n/a	3/7/2022	0.001ND	No	29	n/a	n/a	93.1	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-21	0.001	n/a	3/7/2022	0.001ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-22	0.001	n/a	3/8/2022	0.001ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-23	0.001	n/a	3/9/2022	0.001ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-24	0.0015	n/a	3/10/2022	0.001ND	No	21	n/a	n/a	71.43	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-25	0.001	n/a	3/8/2022	0.001ND	No	28	n/a	n/a	82.14	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-26	0.0015	n/a	3/9/2022	0.001ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-27	0.001	n/a	3/8/2022	0.001ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-30	0.001	n/a	3/2/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-31	0.0013	n/a	3/10/2022	0.001ND	No	25	n/a	n/a	48	n/a	n/a	0.002832	NP Intra (normality) 1 of 2
Lead (mg/L)	GWC-33	0.001	n/a	3/9/2022	0.001ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-34	0.001	n/a	3/2/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-5	0.001	n/a	3/2/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-8	0.001	n/a	3/2/2022	0.001ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-9	0.001	n/a	3/9/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-1	0.0002	n/a	2/28/2022	0.0002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-2	0.0002	n/a	3/1/2022	0.0002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-28	0.0002	n/a	3/1/2022	0.0002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2

Intrawell Prediction Limits Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 1:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	GWA-29	0.00021	n/a	3/2/2022	0.0002ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-3	0.0002	n/a	3/1/2022	0.0002ND	No	16	n/a	n/a	93.75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWA-4	0.0002	n/a	3/1/2022	0.0002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-10	0.0002	n/a	3/8/2022	0.0002ND	No	19	n/a	n/a	89.47	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-11	0.0002	n/a	3/7/2022	0.0002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-12	0.0002	n/a	3/7/2022	0.0002ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-13	0.0002	n/a	3/8/2022	0.0002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	**GWC-14**	**0.0002**	**n/a**	**3/7/2022**	**0.00023**	**Yes**	**30**	**n/a**	**n/a**	**83.33**	**n/a**	**n/a**	**0.002008**	**NP Intra (NDs) 1 of 2**
Mercury (mg/L)	GWC-15	0.0002	n/a	3/7/2022	0.0002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-16	0.0002	n/a	3/8/2022	0.0002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-17	0.0002	n/a	3/8/2022	0.0002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-18	0.0002	n/a	3/8/2022	0.0002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-19	0.0002	n/a	3/8/2022	0.0002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-20	0.0002	n/a	3/7/2022	0.0002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-21	0.0002	n/a	3/7/2022	0.0002ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-22	0.0002	n/a	3/8/2022	0.0002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-23	0.0002	n/a	3/9/2022	0.0002ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-24	0.0002	n/a	3/10/2022	0.0002ND	No	21	n/a	n/a	95.24	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-25	0.0002	n/a	3/8/2022	0.0002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-26	0.0002	n/a	3/9/2022	0.0002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-27	0.0002	n/a	3/8/2022	0.0002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-30	0.0002	n/a	3/2/2022	0.0002ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-31	0.0002	n/a	3/10/2022	0.0002ND	No	25	n/a	n/a	92	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-32	0.0002	n/a	3/9/2022	0.0002ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-33	0.0002	n/a	3/9/2022	0.0002ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-34	0.0002	n/a	3/2/2022	0.0002ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-35	0.0002	n/a	3/2/2022	0.0002ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-5	0.0002	n/a	3/2/2022	0.0002ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-6	0.0002	n/a	3/2/2022	0.0002ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-7	0.0002	n/a	3/2/2022	0.0002ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-8	0.0004	n/a	3/2/2022	0.0002ND	No	31	n/a	n/a	87.1	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Mercury (mg/L)	GWC-9	0.0002	n/a	3/9/2022	0.0002ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-1	0.0025	n/a	2/28/2022	0.00089J	No	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-2	0.0028	n/a	3/1/2022	0.00062J	No	23	n/a	n/a	47.83	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWA-28	0.001	n/a	3/1/2022	0.001ND	No	23	n/a	n/a	73.91	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWA-29	0.006235	n/a	3/2/2022	0.0012	No	23	0.002861	0.00121	13.04	None	No	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWA-3	0.007682	n/a	3/1/2022	0.0027	No	10	0.002371	0.00141	30	Kaplan-Meier	No	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWA-4	0.0032	n/a	3/1/2022	0.0021	No	21	n/a	n/a	57.14	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-10	0.0046	n/a	3/8/2022	0.0017	No	10	n/a	n/a	0	n/a	n/a	0.01476	NP Intra (normality) 1 of 2
Nickel (mg/L)	GWC-11	0.0011	n/a	3/7/2022	0.001ND	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-12	0.001	n/a	3/7/2022	0.001ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-13	0.001	n/a	3/8/2022	0.001ND	No	23	n/a	n/a	78.26	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-14	0.0236	n/a	3/7/2022	0.02	No	13	0.01562	0.002399	0	None	No	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWC-15	0.001	n/a	3/7/2022	0.001ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-16	0.001	n/a	3/8/2022	0.001ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-17	0.001	n/a	3/8/2022	0.001ND	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-18	0.0015	n/a	3/8/2022	0.001ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-19	0.0025	n/a	3/8/2022	0.0012	No	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-20	0.001	n/a	3/7/2022	0.001ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-21	0.001	n/a	3/7/2022	0.001ND	No	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2

Intrawell Prediction Limits Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 1:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Nickel (mg/L)	GWC-22	0.001	n/a	3/8/2022	0.001ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-23	0.001	n/a	3/9/2022	0.001ND	No	23	n/a	n/a	73.91	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-24	0.004137	n/a	3/10/2022	0.0011	No	12	0.002283	0.0005424	8.333	None	No	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWC-25	0.03202	n/a	3/8/2022	0.0039	No	22	0.1759	0.05031	22.73	Kaplan-Meier	x^(1/3)	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWC-26	0.0031	n/a	3/9/2022	0.0011	No	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-27	0.001	n/a	3/8/2022	0.001ND	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-31	0.01617	n/a	3/10/2022	0.00055J	No	19	0.1311	0.04175	15.79	Kaplan-Meier	x^(1/3)	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWC-32	0.0018	n/a	3/9/2022	0.001ND	No	23	n/a	n/a	65.22	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-33	0.0012	n/a	3/9/2022	0.001ND	No	22	n/a	n/a	72.73	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-34	0.0025	n/a	3/2/2022	0.00064J	No	22	n/a	n/a	63.64	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-35	0.005294	n/a	3/2/2022	0.0015	No	23	0.00203	0.001171	17.39	Kaplan-Meier	No	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWC-5	0.01172	n/a	3/2/2022	0.0038	No	23	0.00547	0.002242	17.39	Kaplan-Meier	No	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWC-6	0.009461	n/a	3/2/2022	0.0053	No	23	0.004948	0.001619	4.348	None	No	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWC-7	0.02347	n/a	3/2/2022	0.0076	No	23	0.009446	0.005033	17.39	Kaplan-Meier	No	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWC-8	0.005501	n/a	3/2/2022	0.003	No	22	0.04904	0.008927	27.27	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWC-9	0.02024	n/a	3/9/2022	0.0076	No	21	0.01003	0.003591	4.762	None	No	0.0001135	Param Intra 1 of 2
Selenium (mg/L)	GWA-1	0.005	n/a	2/28/2022	0.005ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-28	0.005	n/a	3/1/2022	0.005ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-29	0.005	n/a	3/2/2022	0.005ND	No	28	n/a	n/a	89.29	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-4	0.005	n/a	3/1/2022	0.005ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-11	0.005	n/a	3/7/2022	0.005ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-12	0.005	n/a	3/7/2022	0.005ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-13	0.005	n/a	3/8/2022	0.005ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-14	0.0071	n/a	3/7/2022	0.005ND	No	31	n/a	n/a	67.74	n/a	n/a	0.001905	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-15	0.005	n/a	3/7/2022	0.005ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-16	0.005	n/a	3/8/2022	0.005ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-18	0.005	n/a	3/8/2022	0.005ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-21	0.005	n/a	3/7/2022	0.005ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-22	0.005	n/a	3/8/2022	0.005ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-25	0.005	n/a	3/8/2022	0.005ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-26	0.005	n/a	3/9/2022	0.005ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-27	0.005	n/a	3/8/2022	0.005ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-30	0.005	n/a	3/2/2022	0.005ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-31	0.005	n/a	3/10/2022	0.005ND	No	25	n/a	n/a	80	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-32	0.005	n/a	3/9/2022	0.005ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-33	0.005	n/a	3/9/2022	0.005ND	No	29	n/a	n/a	86.21	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-35	0.005	n/a	3/2/2022	0.005ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-5	0.005	n/a	3/2/2022	0.005ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-6	0.005	n/a	3/2/2022	0.005ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-8	0.005	n/a	3/2/2022	0.005ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWC-9	0.005	n/a	3/9/2022	0.005ND	No	29	n/a	n/a	86.21	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-29	0.002547	n/a	3/2/2022	0.0013	No	23	0.03184	0.006681	26.09	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
Silver (mg/L)	GWC-11	0.001	n/a	3/7/2022	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-12	0.001	n/a	3/7/2022	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-14	0.001	n/a	3/7/2022	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-16	0.001	n/a	3/8/2022	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-17	0.001	n/a	3/8/2022	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-21	0.001	n/a	3/7/2022	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-22	0.001	n/a	3/8/2022	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-23	0.001	n/a	3/9/2022	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2

Intrawell Prediction Limits Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 1:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Silver (mg/L)	GWC-24	0.001	n/a	3/10/2022	0.001ND	No	12	n/a	n/a	91.67	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-25	0.001	n/a	3/8/2022	0.001ND	No	22	n/a	n/a	95.45	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-26	0.001	n/a	3/9/2022	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-27	0.001	n/a	3/8/2022	0.001ND	No	22	n/a	n/a	95.45	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-31	0.001	n/a	3/10/2022	0.001ND	No	18	n/a	n/a	50	n/a	n/a	0.005373	NP Intra (normality) 1 of 2
Silver (mg/L)	GWC-32	0.001	n/a	3/9/2022	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-33	0.001	n/a	3/9/2022	0.001ND	No	22	n/a	n/a	95.45	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-5	0.001	n/a	3/2/2022	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-6	0.0032	n/a	3/2/2022	0.001ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-1	0.001	n/a	2/28/2022	0.001ND	No	30	n/a	n/a	86.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-2	0.001	n/a	3/1/2022	0.001ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-4	0.001	n/a	3/1/2022	0.001ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-11	0.001	n/a	3/7/2022	0.001ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-12	0.001	n/a	3/7/2022	0.001ND	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-13	0.001	n/a	3/8/2022	0.001ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-14	0.00115	n/a	3/7/2022	0.001ND	No	29	0.01978	0.005303	24.14	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
Thallium (mg/L)	GWC-15	0.001	n/a	3/7/2022	0.001ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-19	0.001	n/a	3/8/2022	0.001ND	No	30	n/a	n/a	93.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-20	0.001	n/a	3/7/2022	0.001ND	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-21	0.001	n/a	3/7/2022	0.001ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-22	0.001	n/a	3/8/2022	0.001ND	No	30	n/a	n/a	90	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-23	0.001	n/a	3/9/2022	0.001ND	No	28	n/a	n/a	92.86	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-24	0.001	n/a	3/10/2022	0.001ND	No	20	n/a	n/a	90	n/a	n/a	0.004291	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-25	0.001	n/a	3/8/2022	0.001ND	No	27	n/a	n/a	92.59	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-27	0.001	n/a	3/8/2022	0.001ND	No	28	n/a	n/a	35.71	n/a	n/a	0.002337	NP Intra (normality) 1 of 2
Thallium (mg/L)	GWC-30	0.001	n/a	3/2/2022	0.001ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-31	0.001	n/a	3/10/2022	0.001ND	No	24	n/a	n/a	95.83	n/a	n/a	0.003124	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-33	0.001	n/a	3/9/2022	0.001ND	No	27	n/a	n/a	48.15	n/a	n/a	0.002502	NP Intra (normality) 1 of 2
Thallium (mg/L)	GWC-34	0.001	n/a	3/2/2022	0.001ND	No	29	n/a	n/a	96.55	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-35	0.001	n/a	3/2/2022	0.001ND	No	29	n/a	n/a	89.66	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-6	0.001	n/a	3/2/2022	0.001ND	No	30	n/a	n/a	76.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-7	0.001	n/a	3/2/2022	0.001ND	No	28	n/a	n/a	96.43	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-8	0.001	n/a	3/2/2022	0.001ND	No	28	n/a	n/a	78.57	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWC-9	0.001	n/a	3/9/2022	0.001ND	No	28	n/a	n/a	78.57	n/a	n/a	0.002337	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-1	0.0028	n/a	2/28/2022	0.001ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-2	0.0024	n/a	3/1/2022	0.001ND	No	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-28	0.0025	n/a	3/1/2022	0.001ND	No	23	n/a	n/a	78.26	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-29	0.0023	n/a	3/2/2022	0.001ND	No	23	n/a	n/a	78.26	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-3	0.0028	n/a	3/1/2022	0.0012	No	10	n/a	n/a	60	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWA-4	0.002	n/a	3/1/2022	0.001ND	No	23	n/a	n/a	65.22	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-10	0.0032	n/a	3/8/2022	0.001ND	No	10	n/a	n/a	50	n/a	n/a	0.01476	NP Intra (normality) 1 of 2
Vanadium (mg/L)	GWC-11	0.0064	n/a	3/7/2022	0.0025	No	23	n/a	n/a	21.74	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Vanadium (mg/L)	GWC-12	0.0013	n/a	3/7/2022	0.001ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-13	0.0021	n/a	3/8/2022	0.001ND	No	23	n/a	n/a	82.61	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-14	0.002	n/a	3/7/2022	0.001ND	No	23	n/a	n/a	82.61	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-15	0.003	n/a	3/7/2022	0.001ND	No	23	n/a	n/a	73.91	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-16	0.006928	n/a	3/8/2022	0.0039	No	23	0.004174	0.0009881	26.09	Kaplan-Meier	No	0.0001135	Param Intra 1 of 2
Vanadium (mg/L)	GWC-17	0.005564	n/a	3/8/2022	0.0019	No	23	0.04582	0.01032	34.78	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
Vanadium (mg/L)	GWC-18	0.0036	n/a	3/8/2022	0.0014	No	23	n/a	n/a	52.17	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-19	0.0023	n/a	3/8/2022	0.0011	No	23	n/a	n/a	56.52	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2

Intrawell Prediction Limits Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 1:08 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Vanadium (mg/L)	GWC-20	0.006089	n/a	3/7/2022	0.0017	No	23	0.0468	0.01121	30.43	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
Vanadium (mg/L)	GWC-21	0.0028	n/a	3/7/2022	0.001ND	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-22	0.0112	n/a	3/8/2022	0.009	No	23	0.007178	0.001443	13.04	None	No	0.0001135	Param Intra 1 of 2
Vanadium (mg/L)	GWC-23	0.0019	n/a	3/9/2022	0.00093J	No	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-24	0.0015	n/a	3/10/2022	0.001ND	No	12	n/a	n/a	75	n/a	n/a	0.01077	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-25	0.0077	n/a	3/8/2022	0.001ND	No	22	n/a	n/a	54.55	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-26	0.0024	n/a	3/9/2022	0.001ND	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-27	0.0011	n/a	3/8/2022	0.00085J	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-30	0.0059	n/a	3/2/2022	0.0013	No	23	n/a	n/a	52.17	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-31	0.0043	n/a	3/10/2022	0.0012	No	19	n/a	n/a	63.16	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-32	0.003	n/a	3/9/2022	0.001ND	No	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-33	0.0052	n/a	3/9/2022	0.001ND	No	22	n/a	n/a	77.27	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-34	0.0055	n/a	3/2/2022	0.001ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-35	0.0026	n/a	3/2/2022	0.001ND	No	23	n/a	n/a	78.26	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-5	0.006415	n/a	3/2/2022	0.003	No	23	0.003106	0.001187	30.43	Kaplan-Meier	No	0.0001135	Param Intra 1 of 2
Vanadium (mg/L)	GWC-6	0.0064	n/a	3/2/2022	0.001ND	No	23	n/a	n/a	78.26	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-7	0.005854	n/a	3/2/2022	0.0031	No	23	0.04368	0.01178	43.48	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
Vanadium (mg/L)	GWC-8	0.0038	n/a	3/2/2022	0.0013	No	23	n/a	n/a	60.87	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-9	0.0025	n/a	3/9/2022	0.001ND	No	23	n/a	n/a	65.22	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWA-1	0.008992	n/a	2/28/2022	0.0032J	No	22	0.004609	0.001557	18.18	Kaplan-Meier	No	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	GWA-2	0.008255	n/a	3/1/2022	0.005ND	No	23	0.00432	0.001412	30.43	Kaplan-Meier	No	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	GWA-28	0.03966	n/a	3/1/2022	0.0057	No	23	-5.131	0.6831	17.39	Kaplan-Meier	ln(x)	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	GWA-29	0.05643	n/a	3/2/2022	0.024	No	23	0.03061	0.009263	0	None	No	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	GWA-3	0.06707	n/a	3/1/2022	0.012	No	10	0.1155	0.0381	20	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	GWA-4	0.014	n/a	3/1/2022	0.005ND	No	21	n/a	n/a	52.38	n/a	n/a	0.003999	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-10	0.013	n/a	3/8/2022	0.005ND	No	10	n/a	n/a	40	n/a	n/a	0.01476	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-11	0.017	n/a	3/7/2022	0.005ND	No	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-12	0.0087	n/a	3/7/2022	0.005ND	No	23	n/a	n/a	82.61	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-13	0.0085	n/a	3/8/2022	0.005ND	No	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-14	0.02384	n/a	3/7/2022	0.014	No	12	0.01273	0.003253	0	None	No	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	GWC-15	0.005	n/a	3/7/2022	0.005ND	No	23	n/a	n/a	86.96	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-16	0.0081	n/a	3/8/2022	0.005ND	No	23	n/a	n/a	65.22	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-17	0.012	n/a	3/8/2022	0.005ND	No	23	n/a	n/a	65.22	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-18	0.0053	n/a	3/8/2022	0.005ND	No	23	n/a	n/a	65.22	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-19	0.02	n/a	3/8/2022	0.0056	No	23	n/a	n/a	39.13	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-20	0.014	n/a	3/7/2022	0.005ND	No	23	n/a	n/a	65.22	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-21	0.01245	n/a	3/7/2022	0.0029J	No	23	0.07306	0.01382	21.74	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	GWC-22	0.0068	n/a	3/8/2022	0.005ND	No	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-23	0.007616	n/a	3/9/2022	0.005ND	No	22	0.003986	0.00129	40.91	Kaplan-Meier	No	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	GWC-24	0.01686	n/a	3/10/2022	0.0037J	No	12	-4.952	0.2543	16.67	Kaplan-Meier	ln(x)	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	GWC-25	0.04212	n/a	3/8/2022	0.005ND	No	22	0.102	0.03667	4.545	None	sqrt(x)	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	GWC-26	0.019	n/a	3/9/2022	0.005ND	No	23	n/a	n/a	34.78	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-27	0.02	n/a	3/8/2022	0.005ND	No	23	n/a	n/a	30.43	n/a	n/a	0.003415	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-30	0.022	n/a	3/2/2022	0.005ND	No	22	n/a	n/a	63.64	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-31	0.1093	n/a	3/10/2022	0.0066	No	19	-4.164	0.6689	5.263	None	ln(x)	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	GWC-32	0.1507	n/a	3/9/2022	0.024	No	23	0.06974	0.02906	0	None	No	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	**GWC-33**	**0.01254**	**n/a**	**3/9/2022**	**0.12**	**Yes**	**22**	**0.005835**	**0.002382**	**27.27**	**Kaplan-Meier**	**No**	**0.0001135**	**Param Intra 1 of 2**
Zinc (mg/L)	GWC-34	0.0068	n/a	3/2/2022	0.005ND	No	23	n/a	n/a	65.22	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-35	0.00609	n/a	3/2/2022	0.005ND	No	23	0.00001196	0.000009018	39.13	Kaplan-Meier	x^2	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	GWC-5	0.0067	n/a	3/2/2022	0.005ND	No	23	n/a	n/a	60.87	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2

Intrawell Prediction Limits Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 1:08 PM

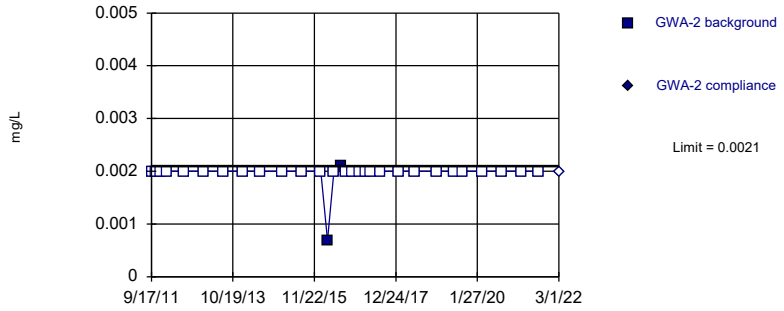
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/L)	GWC-6	0.0071	n/a	3/2/2022	0.005ND	No	22	n/a	n/a	50	n/a	n/a	0.003707	NP Intra (normality) 1 of 2
Zinc (mg/L)	GWC-7	0.01	n/a	3/2/2022	0.005ND	No	22	n/a	n/a	59.09	n/a	n/a	0.003707	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-8	0.009383	n/a	3/2/2022	0.0037J	No	22	0.00357	0.002065	36.36	Kaplan-Meier	No	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	GWC-9	0.0094	n/a	3/9/2022	0.003J	No	22	n/a	n/a	40.91	n/a	n/a	0.003707	NP Intra (normality) 1 of 2

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

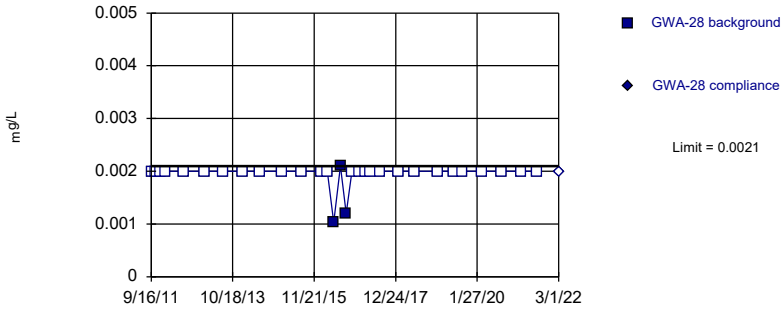
Constituent: Antimony Analysis Run 5/14/2022 12:55 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

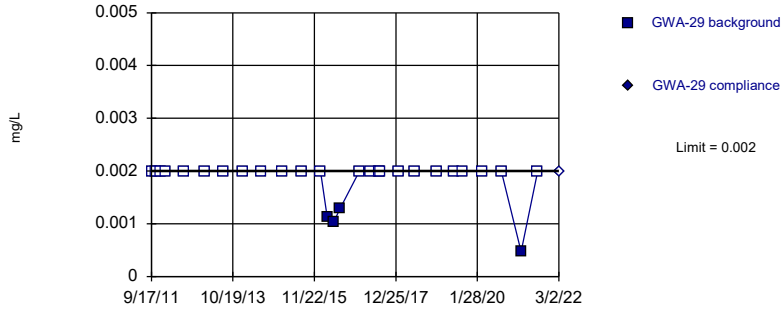
Constituent: Antimony Analysis Run 5/14/2022 12:55 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

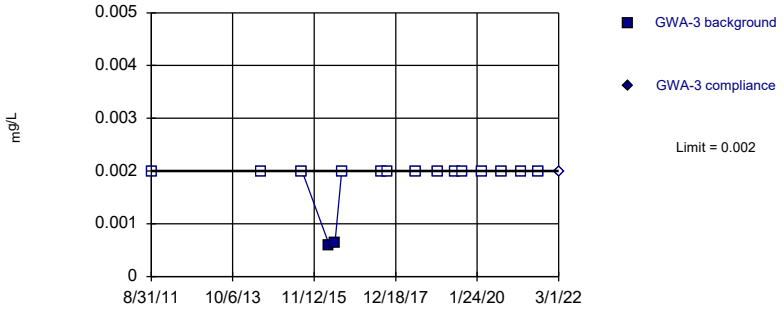
Constituent: Antimony Analysis Run 5/14/2022 12:55 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



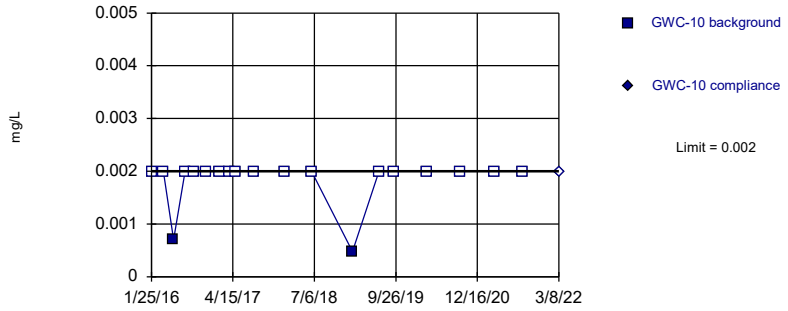
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Antimony Analysis Run 5/14/2022 12:55 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



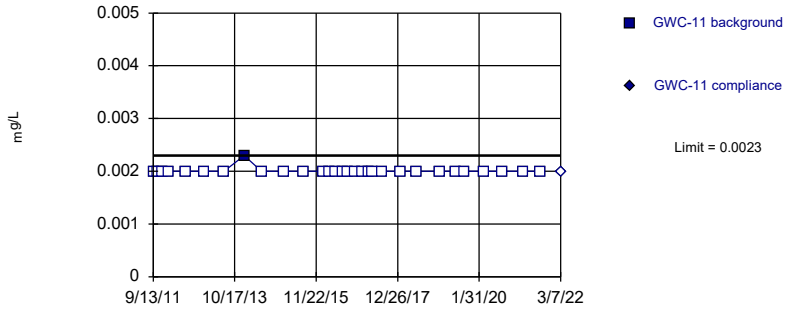
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Antimony Analysis Run 5/14/2022 12:55 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



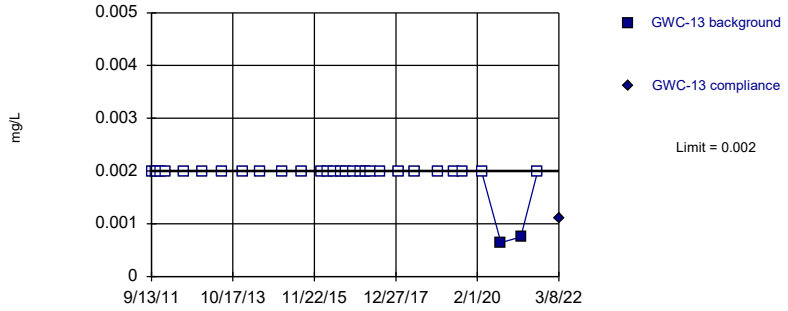
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Antimony Analysis Run 5/14/2022 12:55 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



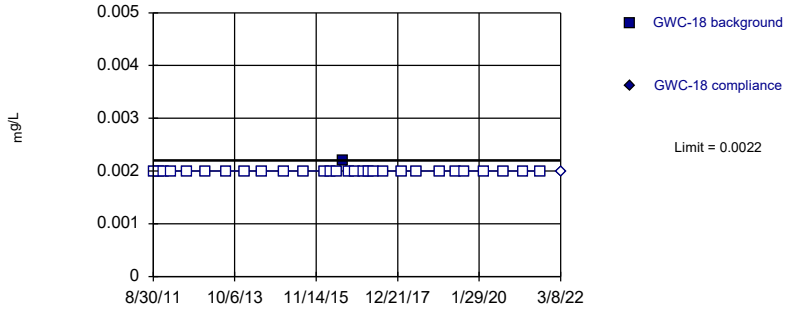
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Antimony Analysis Run 5/14/2022 12:55 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

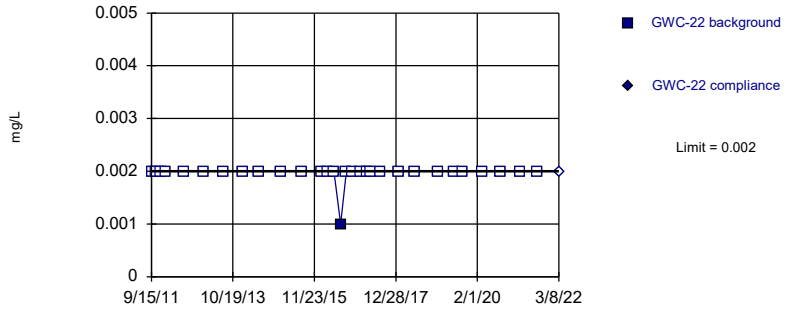
Constituent: Antimony Analysis Run 5/14/2022 12:55 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Antimony Analysis Run 5/14/2022 12:55 PM View: PLs - App I

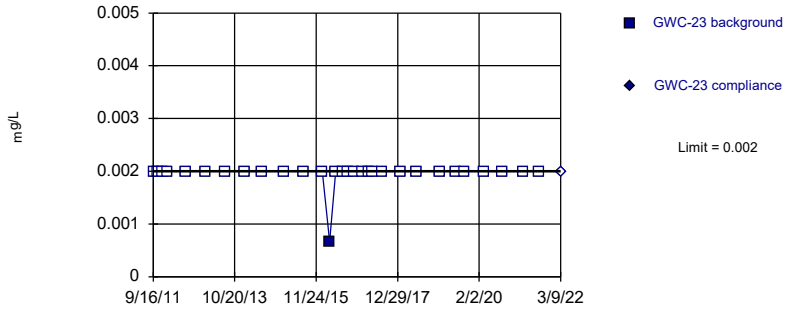
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Antimony Analysis Run 5/14/2022 12:55 PM View: PLs - App I

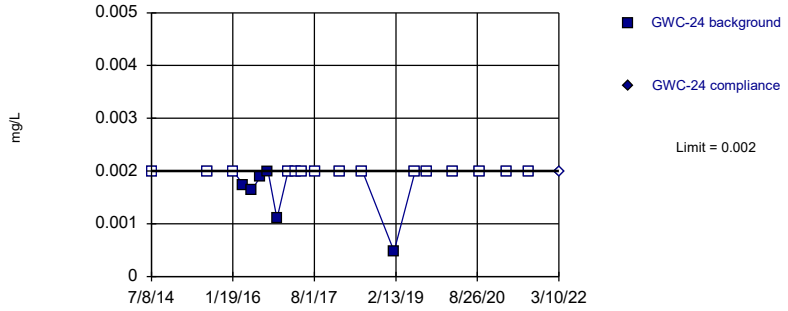
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Antimony Analysis Run 5/14/2022 12:55 PM View: PLs - App I

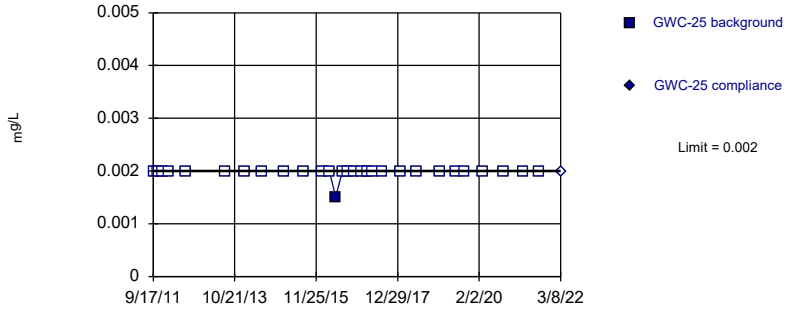
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Antimony Analysis Run 5/14/2022 12:55 PM View: PLs - App I

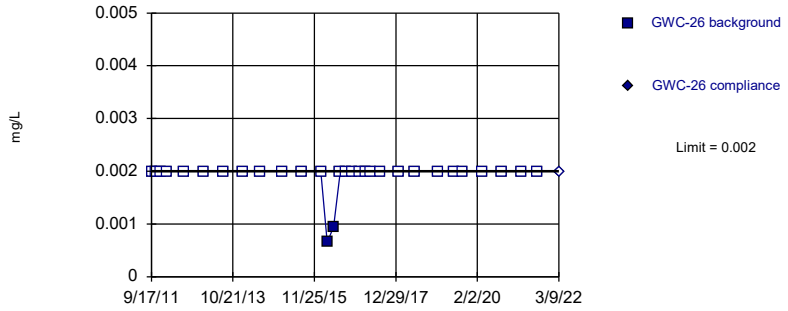
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

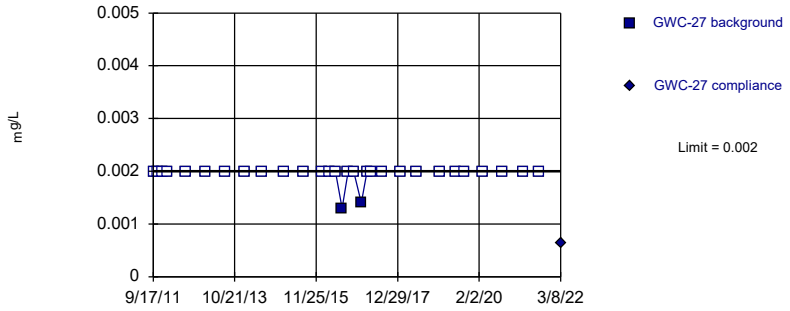
Constituent: Antimony Analysis Run 5/14/2022 12:55 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

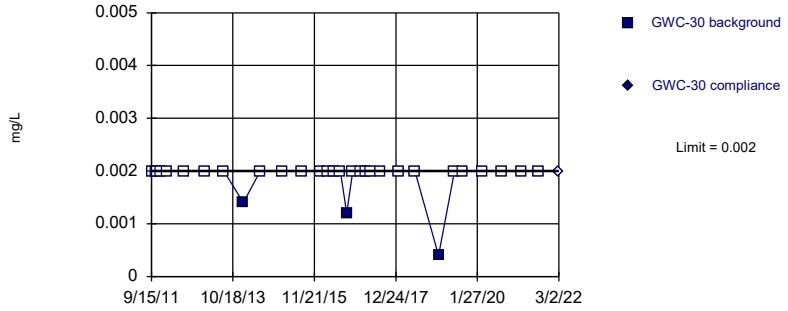
Constituent: Antimony Analysis Run 5/14/2022 12:55 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

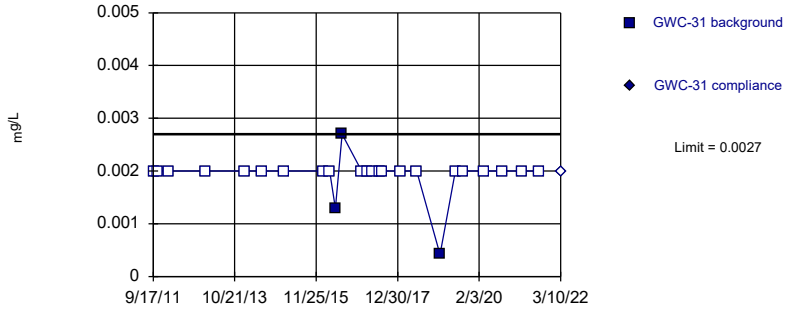
Constituent: Antimony Analysis Run 5/14/2022 12:55 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



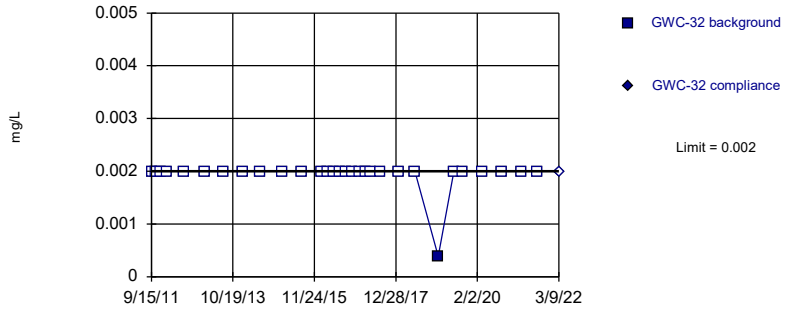
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Antimony Analysis Run 5/14/2022 12:55 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



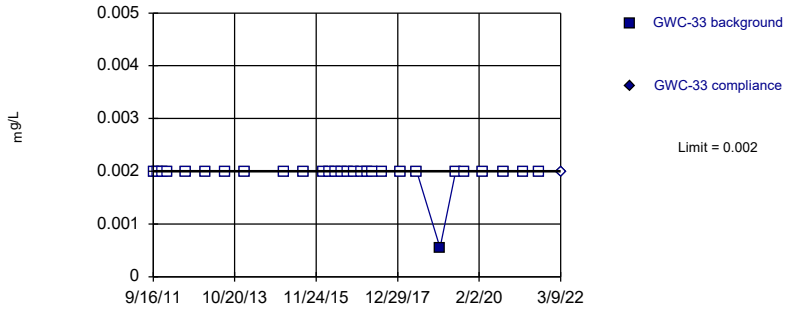
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Antimony Analysis Run 5/14/2022 12:55 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



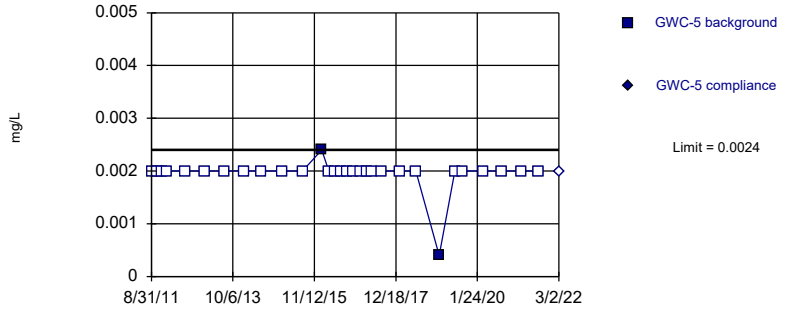
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Antimony Analysis Run 5/14/2022 12:55 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



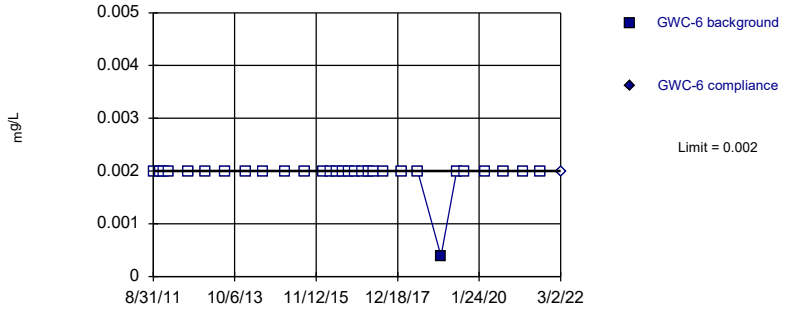
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Antimony Analysis Run 5/14/2022 12:55 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

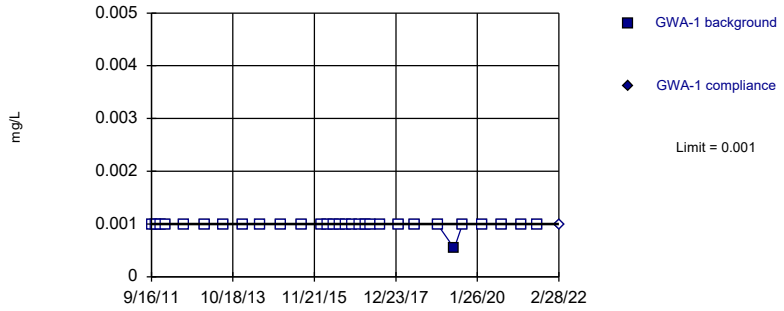
Constituent: Antimony Analysis Run 5/14/2022 12:55 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

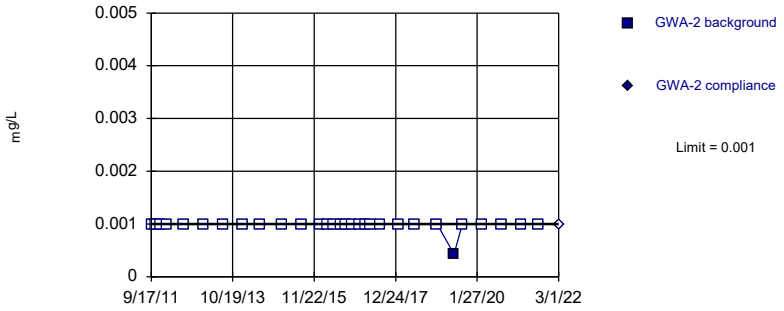
Constituent: Arsenic Analysis Run 5/14/2022 12:55 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

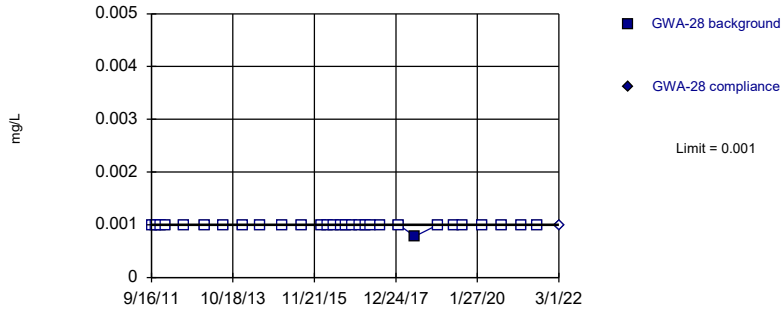
Constituent: Arsenic Analysis Run 5/14/2022 12:55 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

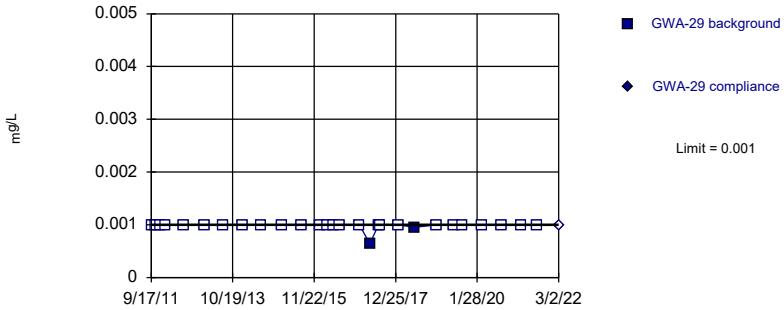
Constituent: Arsenic Analysis Run 5/14/2022 12:55 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

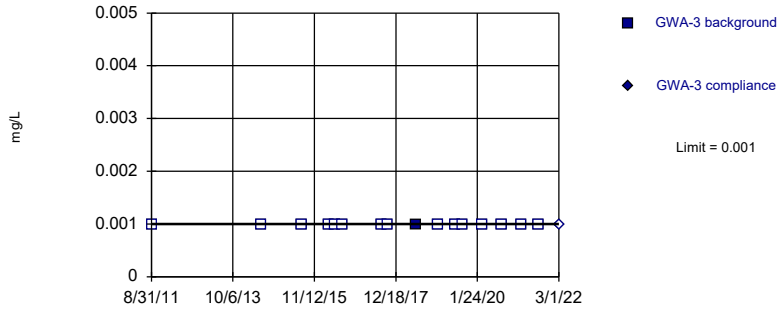
Constituent: Arsenic Analysis Run 5/14/2022 12:55 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

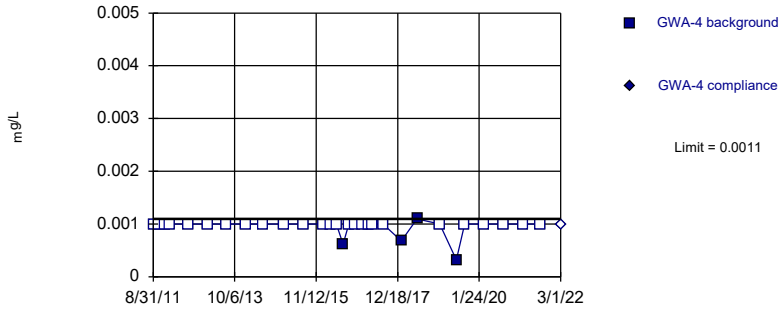
Constituent: Arsenic Analysis Run 5/14/2022 12:55 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

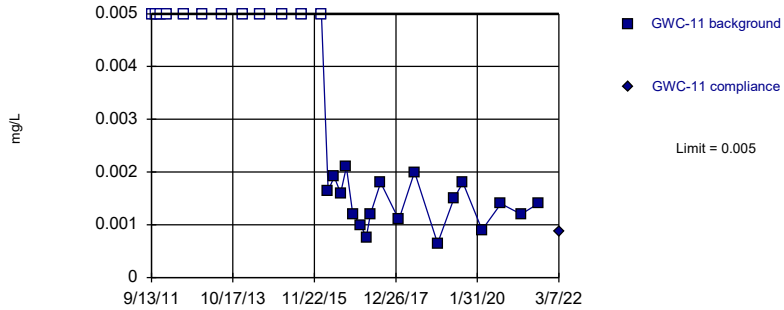
Constituent: Arsenic Analysis Run 5/14/2022 12:55 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. 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. 40% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

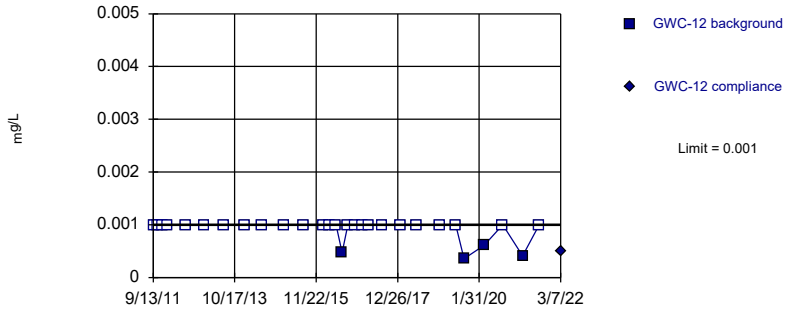
Constituent: Arsenic Analysis Run 5/14/2022 12:55 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 86.21% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

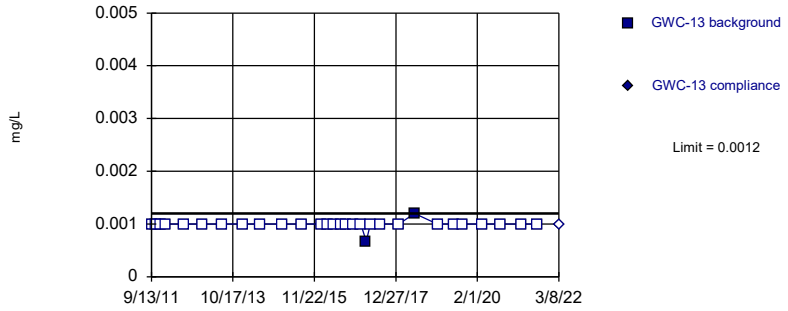
Constituent: Arsenic Analysis Run 5/14/2022 12:56 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

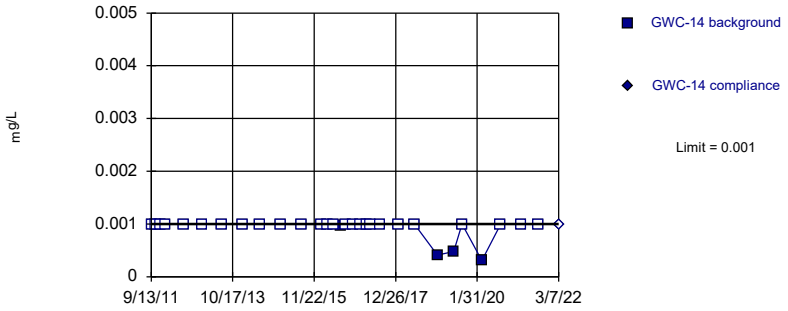
Constituent: Arsenic Analysis Run 5/14/2022 12:56 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

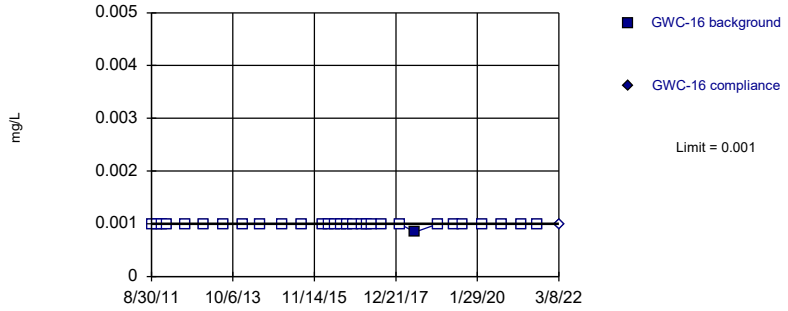
Constituent: Arsenic Analysis Run 5/14/2022 12:56 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

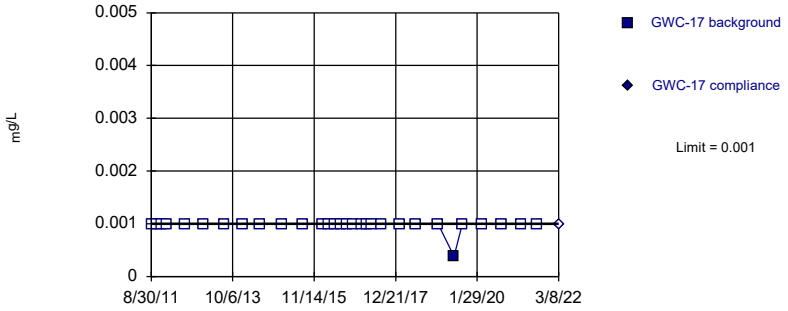
Constituent: Arsenic Analysis Run 5/14/2022 12:56 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

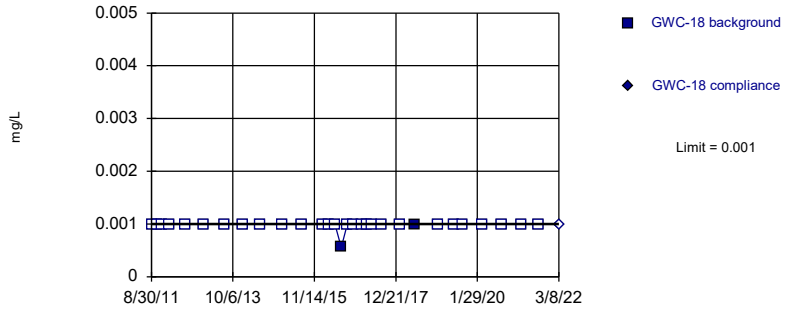
Constituent: Arsenic Analysis Run 5/14/2022 12:56 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 5/14/2022 12:56 PM View: PLs - App I

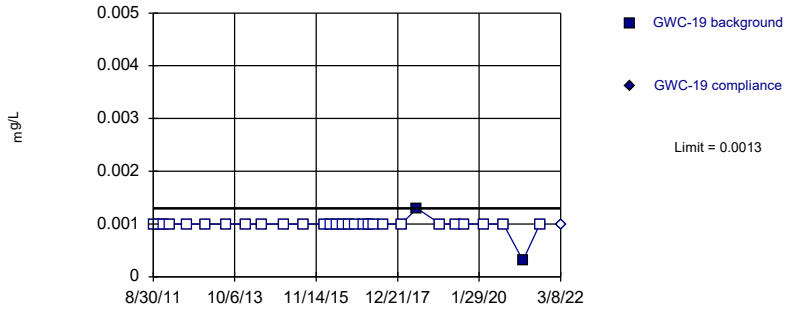
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 5/14/2022 12:56 PM View: PLs - App I

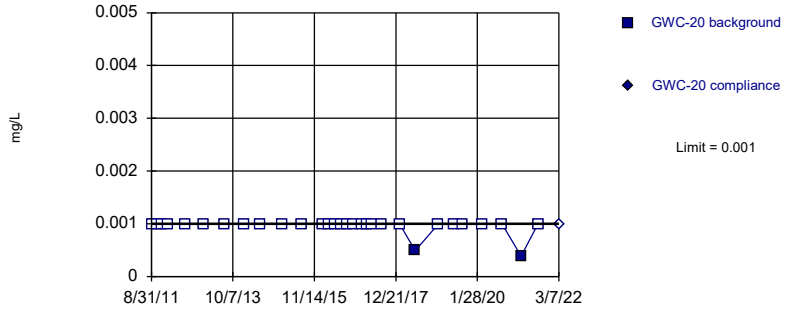
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 5/14/2022 12:56 PM View: PLs - App I

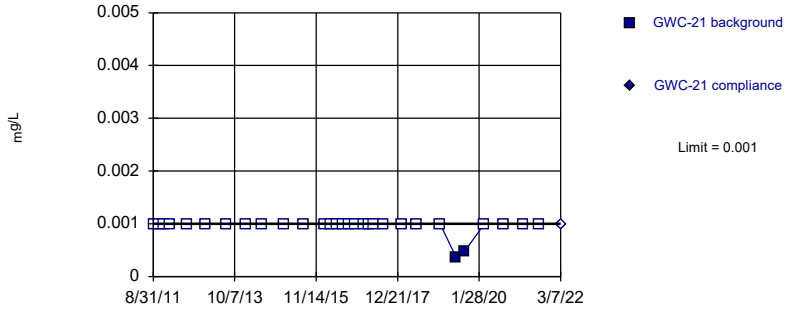
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 5/14/2022 12:56 PM View: PLs - App I

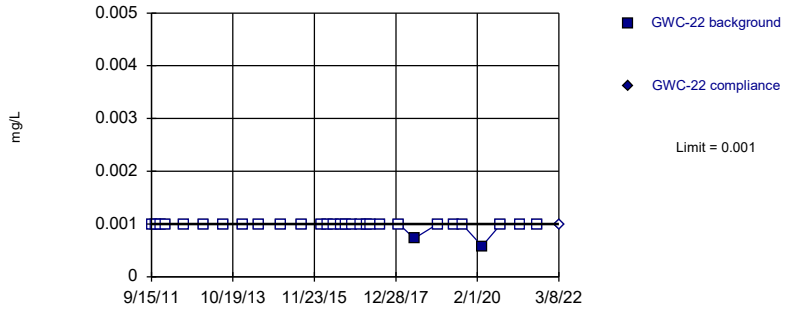
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

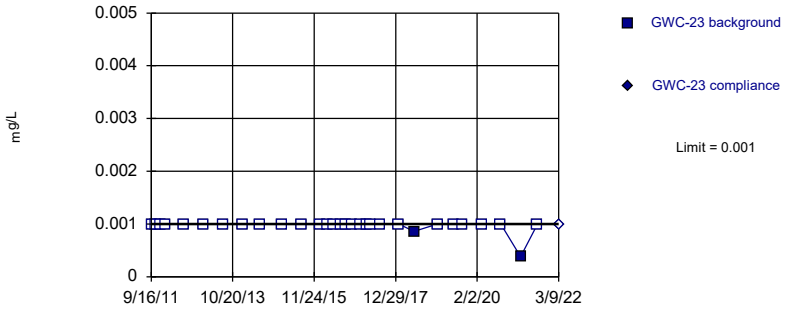
Constituent: Arsenic Analysis Run 5/14/2022 12:56 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

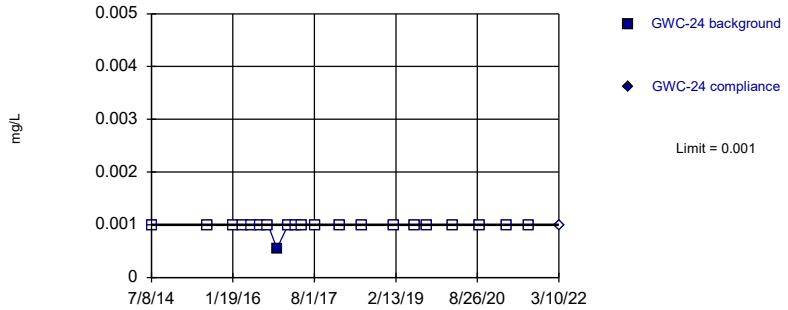
Constituent: Arsenic Analysis Run 5/14/2022 12:56 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

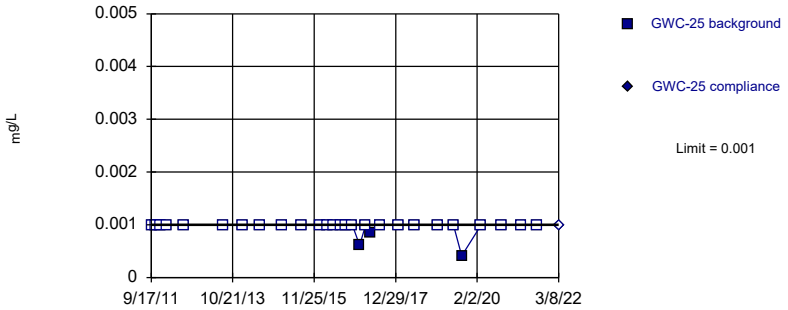
Constituent: Arsenic Analysis Run 5/14/2022 12:56 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

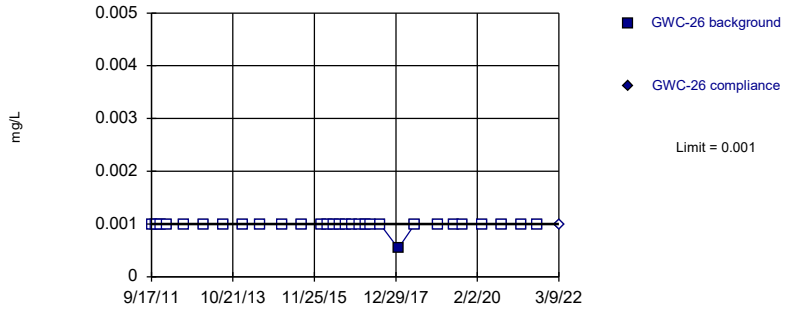
Constituent: Arsenic Analysis Run 5/14/2022 12:56 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

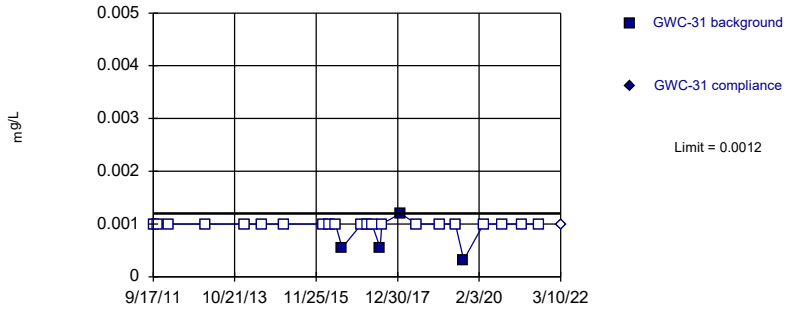
Constituent: Arsenic Analysis Run 5/14/2022 12:56 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 84% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

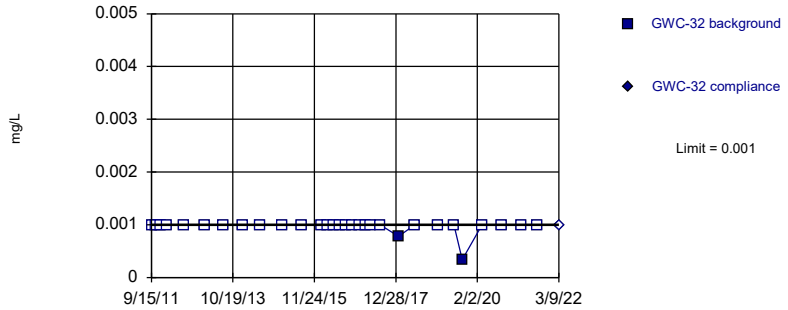
Constituent: Arsenic Analysis Run 5/14/2022 12:56 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

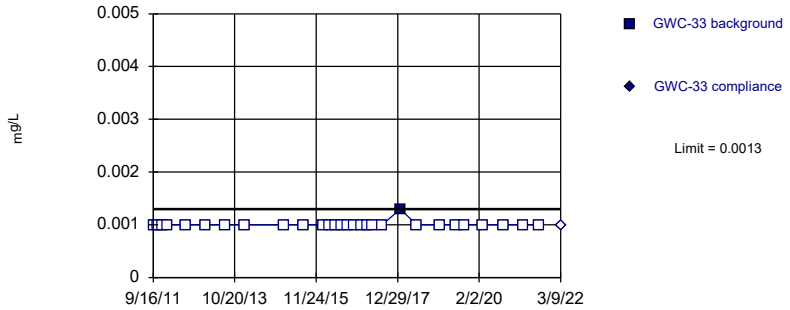
Constituent: Arsenic Analysis Run 5/14/2022 12:56 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

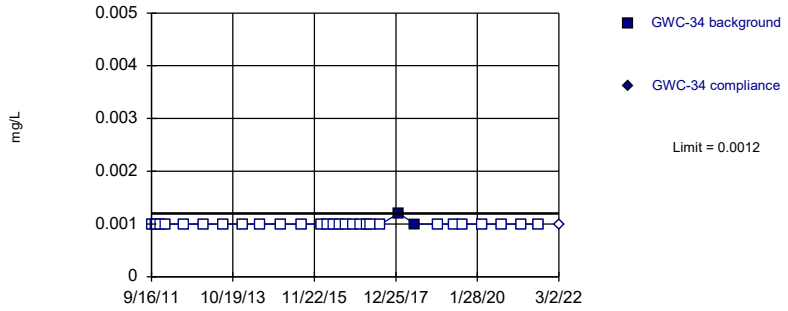
Constituent: Arsenic Analysis Run 5/14/2022 12:56 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 5/14/2022 12:56 PM View: PLs - App I

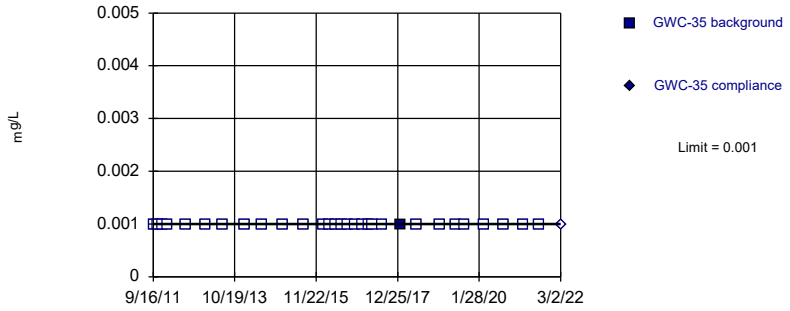
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 5/14/2022 12:56 PM View: PLs - App I

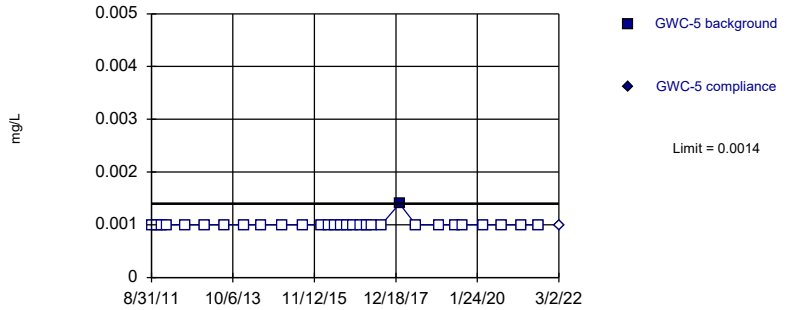
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 5/14/2022 12:56 PM View: PLs - App I

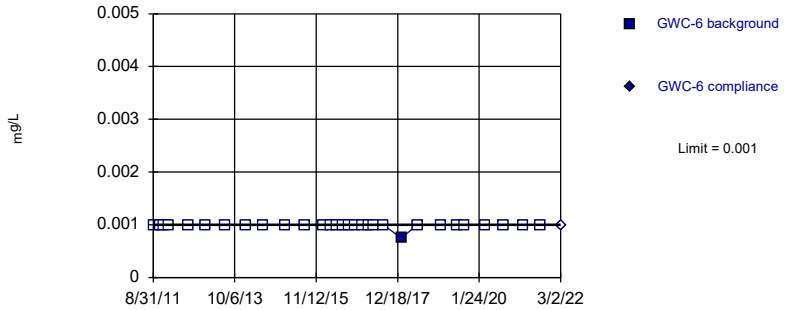
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 5/14/2022 12:56 PM View: PLs - App I

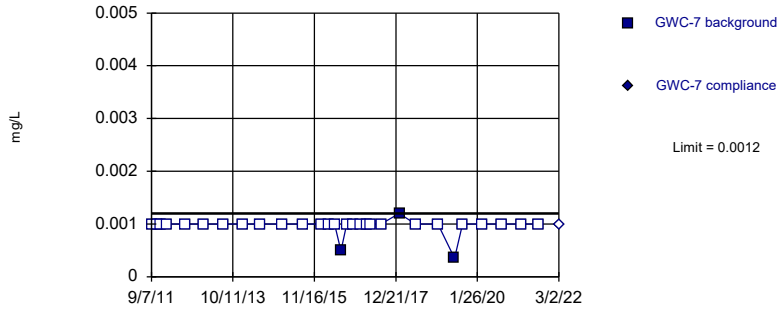
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

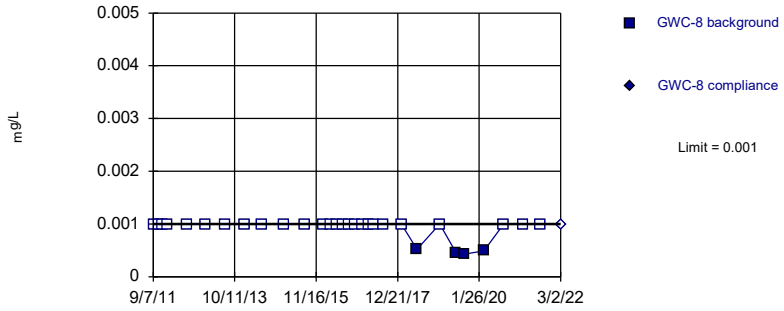
Constituent: Arsenic Analysis Run 5/14/2022 12:56 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

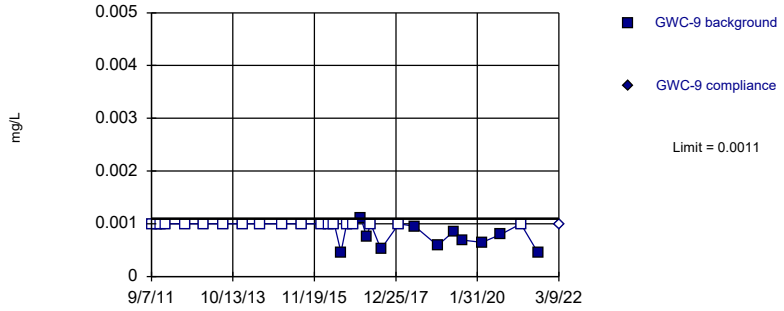
Constituent: Arsenic Analysis Run 5/14/2022 12:56 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 63.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

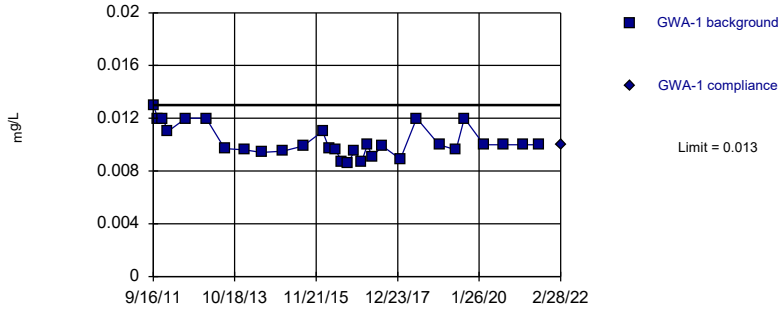
Constituent: Arsenic Analysis Run 5/14/2022 12:56 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Non-parametric



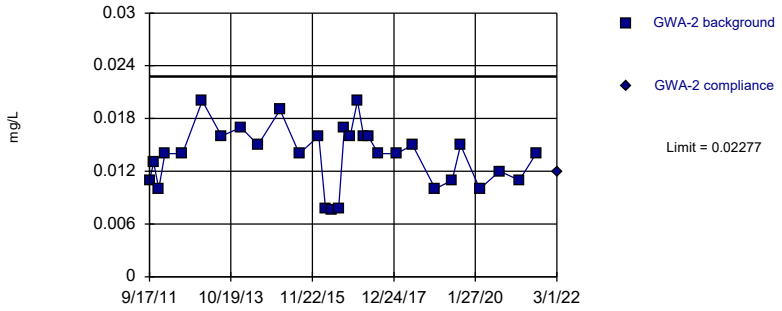
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 30 background values. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Barium Analysis Run 5/14/2022 12:56 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.01377, Std. Dev.=0.003399, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9532, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

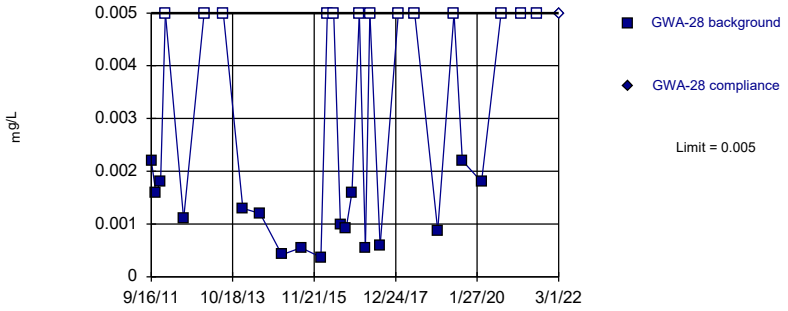
Constituent: Barium Analysis Run 5/14/2022 12:56 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

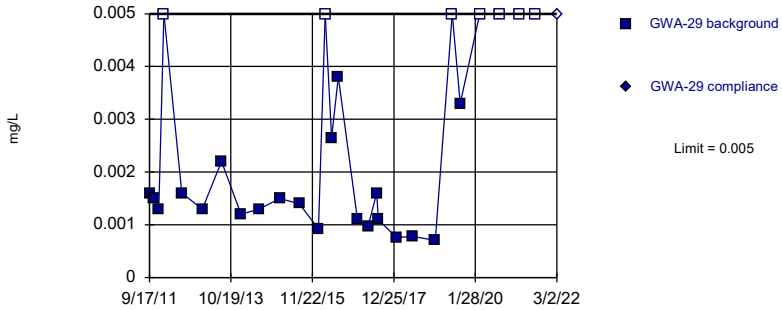
Constituent: Barium Analysis Run 5/14/2022 12:56 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

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. 25% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

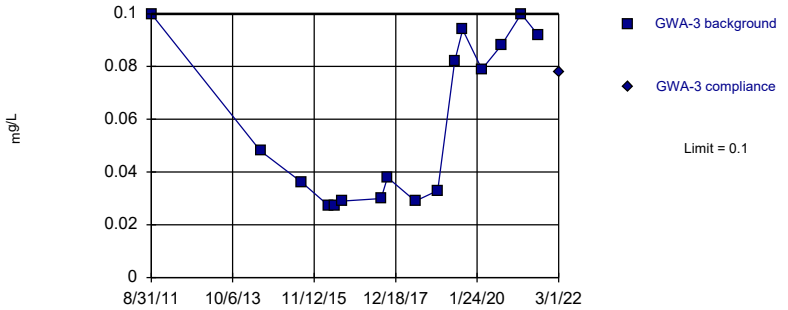
Constituent: Barium Analysis Run 5/14/2022 12:56 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

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 0.05 alpha level. Limit is highest of 16 background values. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

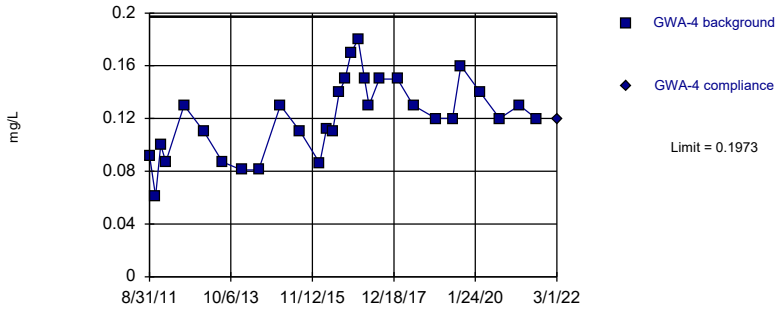
Constituent: Barium Analysis Run 5/14/2022 12:56 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.1212, Std. Dev.=0.02874, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.979, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 5/14/2022 12:56 PM View: PLs - App I

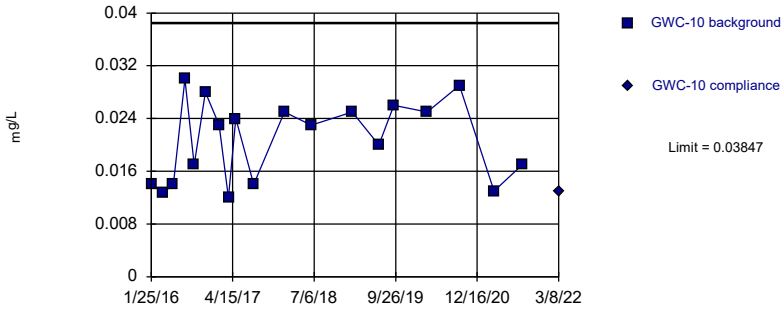
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.02062, Std. Dev.=0.006124, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9039, critical = 0.901. Kappa = 2.916 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 5/14/2022 12:56 PM View: PLs - App I

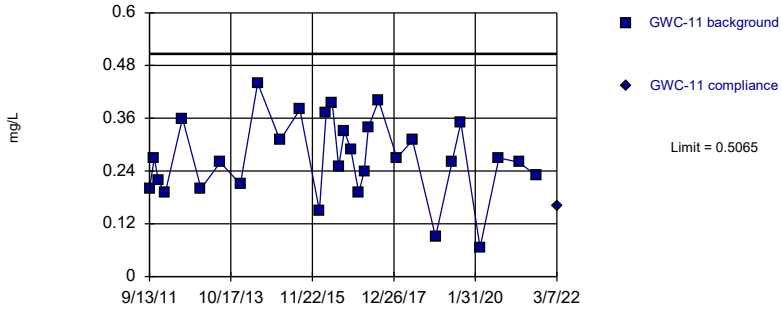
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.2701, Std. Dev.=0.08927, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9786, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 5/14/2022 12:56 PM View: PLs - App I

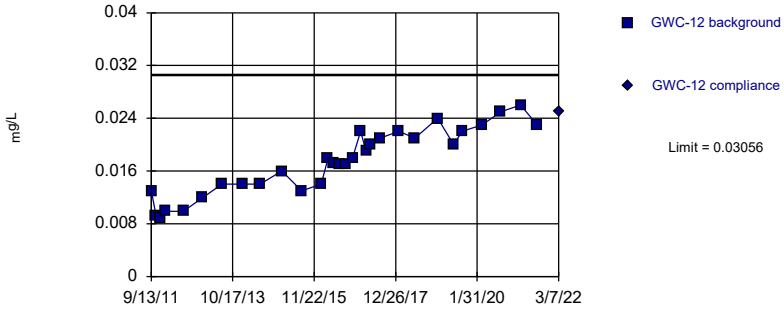
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.01744, Std. Dev.=0.004957, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.955, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

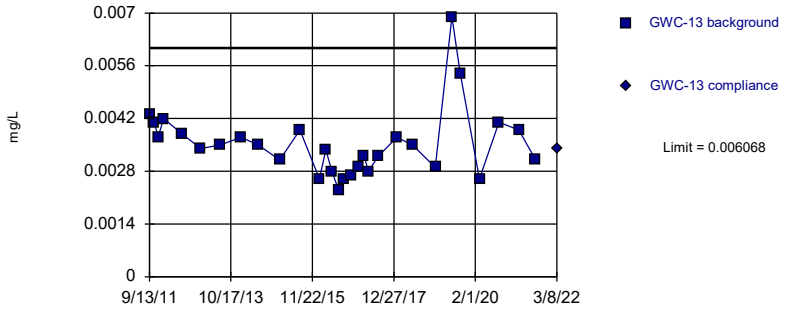
Constituent: Barium Analysis Run 5/14/2022 12:56 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.05896, Std. Dev.=0.007153, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9023, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 5/14/2022 12:56 PM View: PLs - App I

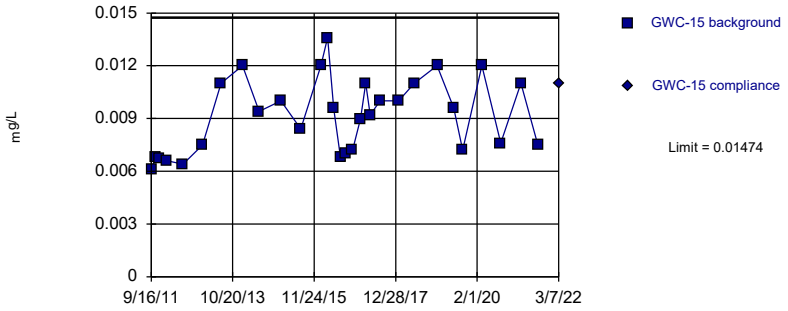
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.009139, Std. Dev.=0.002115, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9297, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 5/14/2022 12:56 PM View: PLs - App I

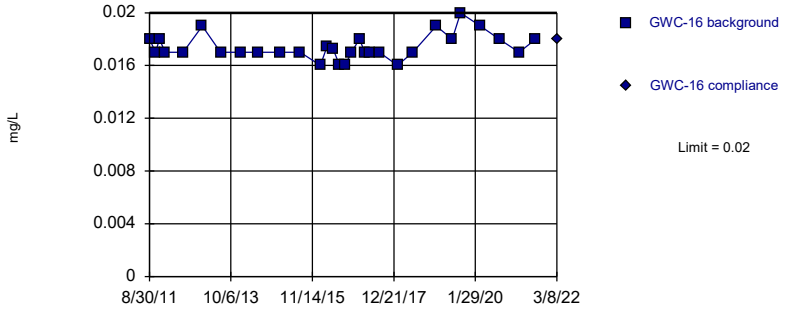
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by 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 30 background values. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Barium Analysis Run 5/14/2022 12:56 PM View: PLs - App I

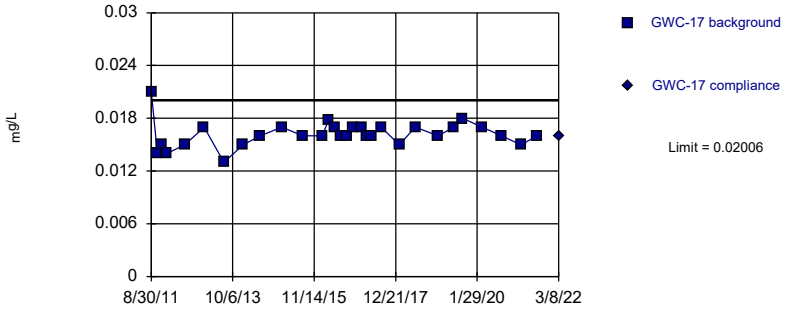
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.01619, Std. Dev.=0.001462, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9053, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 5/14/2022 12:56 PM View: PLs - App I

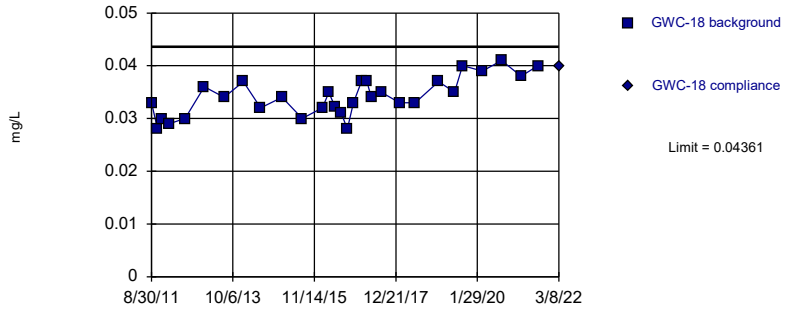
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.03411, Std. Dev.=0.003588, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9675, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 5/14/2022 12:56 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

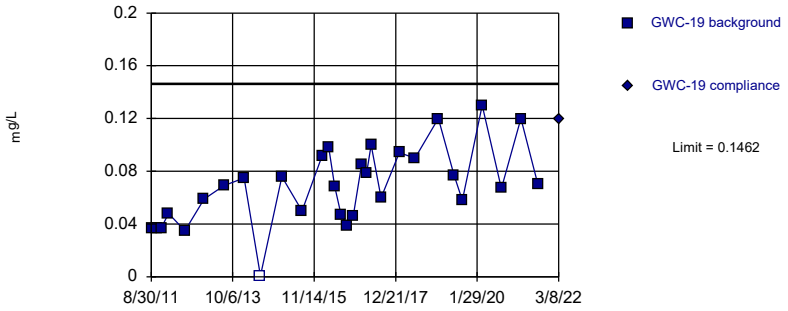
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.06883, Std. Dev.=0.02923, n=30, 3.333% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9779, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 5/14/2022 12:56 PM View: PLs - App I

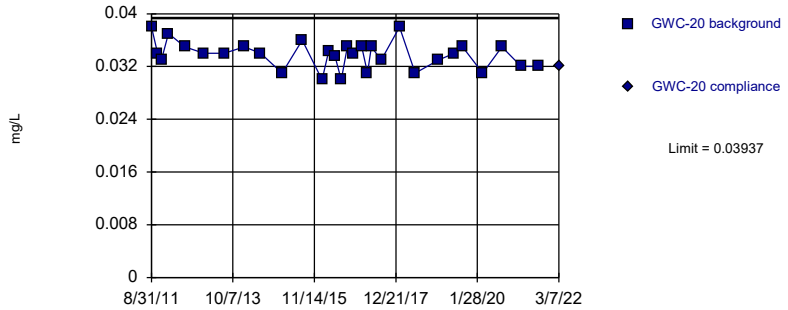
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.03377, Std. Dev.=0.002115, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9461, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 5/14/2022 12:56 PM View: PLs - App I

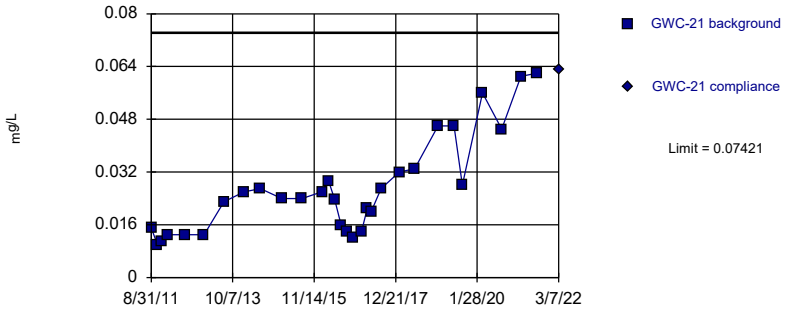
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.1589, Std. Dev.=0.04287, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9188, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

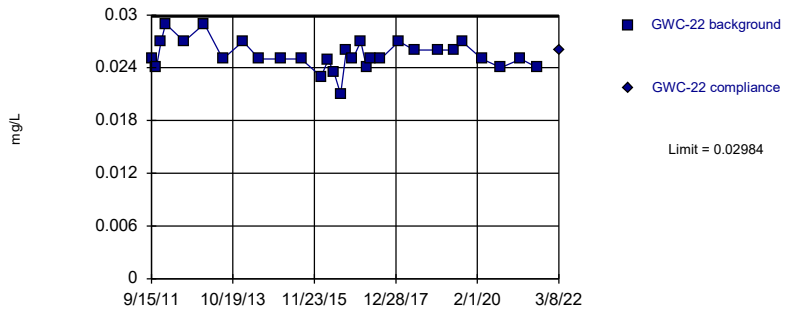
Constituent: Barium Analysis Run 5/14/2022 12:56 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.02541, Std. Dev.=0.001673, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9389, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 5/14/2022 12:57 PM View: PLs - App I

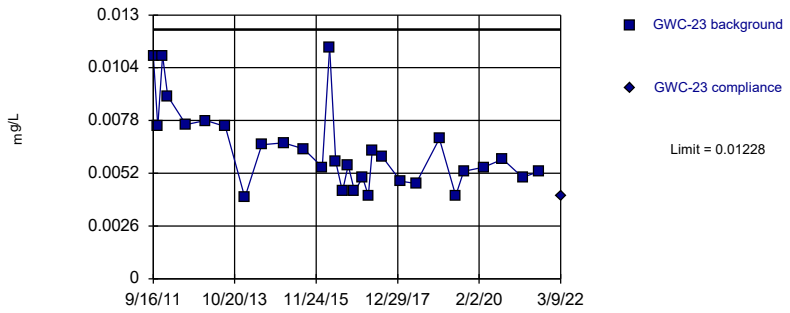
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.07888, Std. Dev.=0.01206, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9085, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 5/14/2022 12:57 PM View: PLs - App I

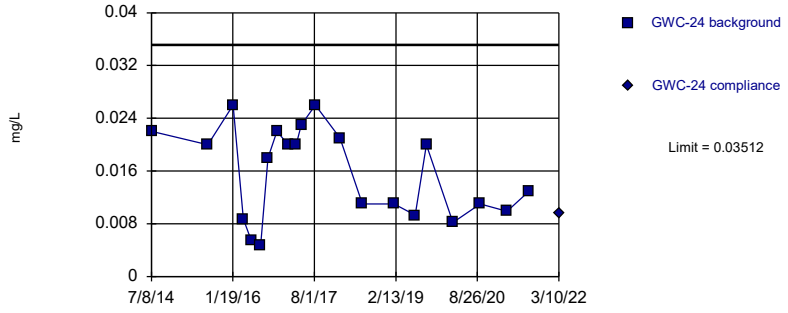
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.01573, Std. Dev.=0.006823, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9148, critical = 0.873. Kappa = 2.842 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 5/14/2022 12:57 PM View: PLs - App I

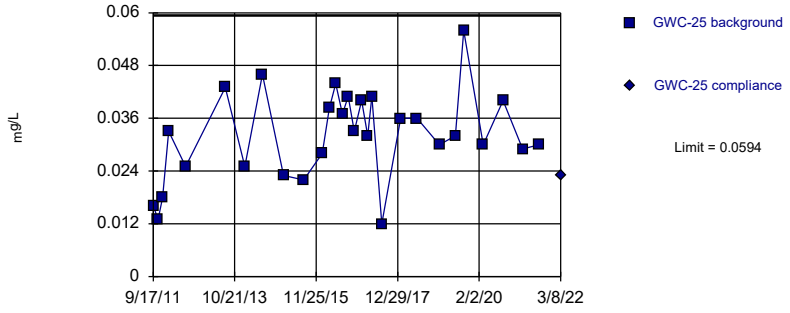
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.03204, Std. Dev.=0.01027, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9817, critical = 0.898. Kappa = 2.665 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

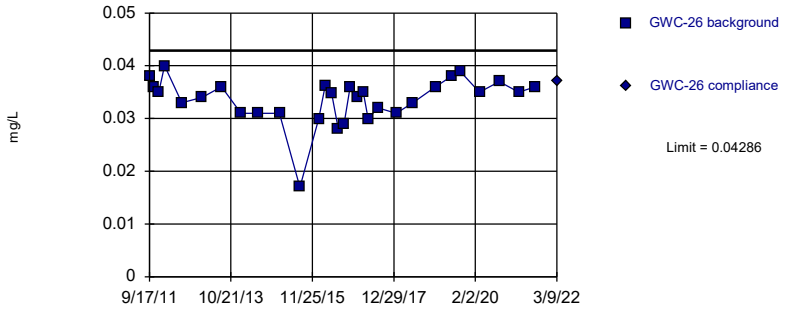
Constituent: Barium Analysis Run 5/14/2022 12:57 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=0.001145, Std. Dev.=0.0002614, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9318, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

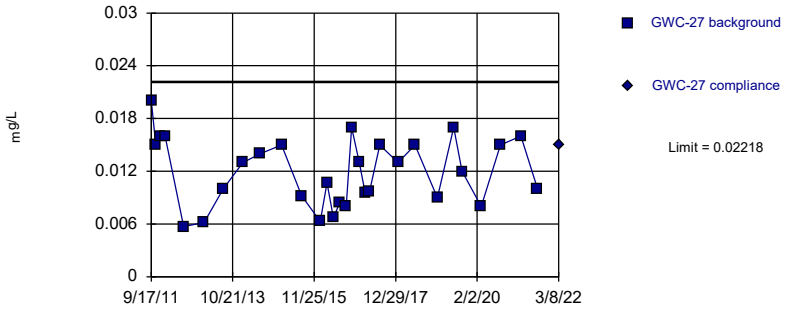
Constituent: Barium Analysis Run 5/14/2022 12:57 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.01199, Std. Dev.=0.003849, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9493, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

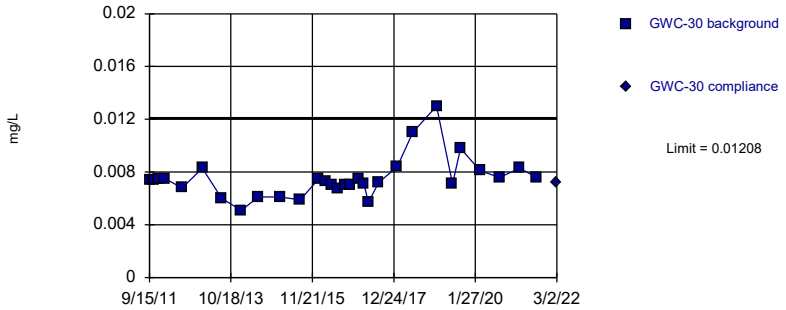
Constituent: Barium Analysis Run 5/14/2022 12:57 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=-4.911, Std. Dev.=0.1869, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9159, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 5/14/2022 12:57 PM View: PLs - App I

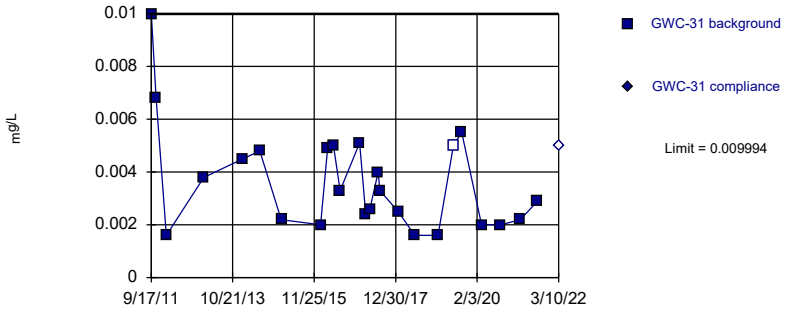
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.0587, Std. Dev.=0.0151, n=25, 4% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9216, critical = 0.888. Kappa = 2.733 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 5/14/2022 12:57 PM View: PLs - App I

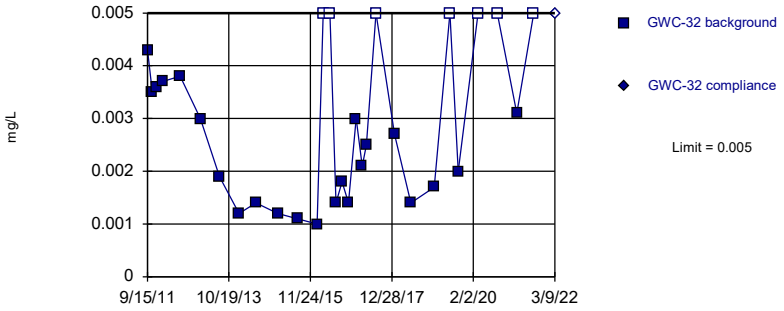
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. 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. 23.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

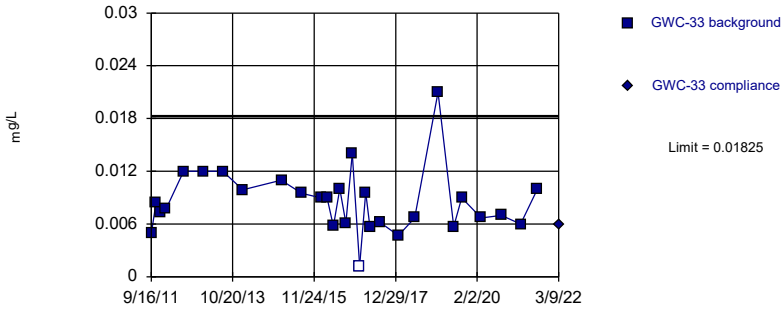
Constituent: Barium Analysis Run 5/14/2022 12:57 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.008559, Std. Dev.=0.003636, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.912, critical = 0.898. Kappa = 2.665 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

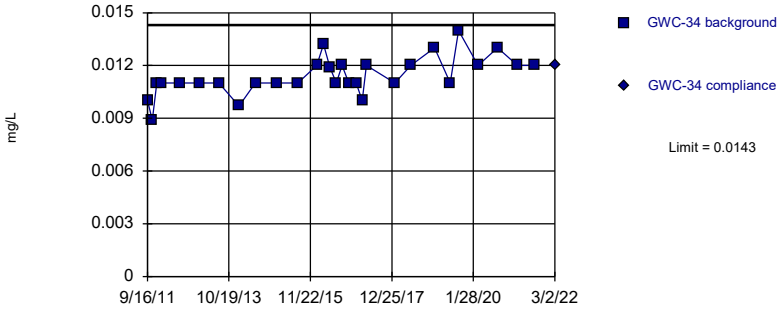
Constituent: Barium Analysis Run 5/14/2022 12:57 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.0114, Std. Dev.=0.001086, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9223, critical = 0.898. Kappa = 2.665 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

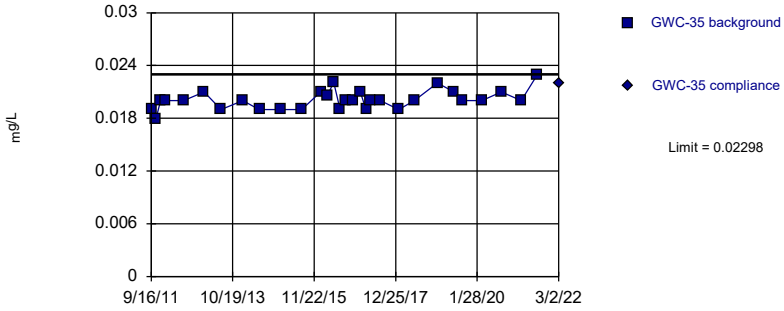
Constituent: Barium Analysis Run 5/14/2022 12:57 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



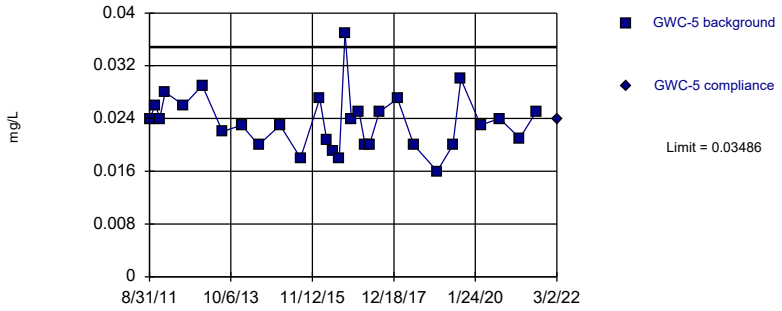
Background Data Summary: Mean=0.02009, Std. Dev.=0.001091, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9108, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 5/14/2022 12:57 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.02349, Std. Dev.=0.004292, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9466, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 5/14/2022 12:57 PM View: PLs - App I

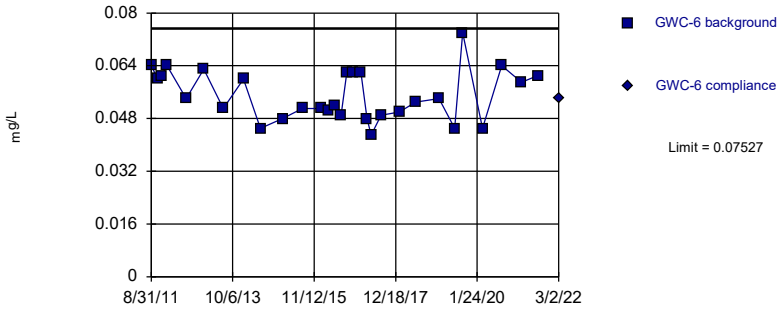
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.05515, Std. Dev.=0.007597, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9371, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 5/14/2022 12:57 PM View: PLs - App I

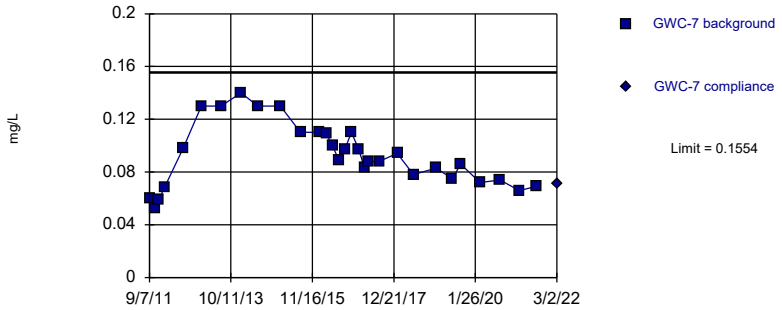
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.09252, Std. Dev.=0.02374, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9538, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 5/14/2022 12:57 PM View: PLs - App I

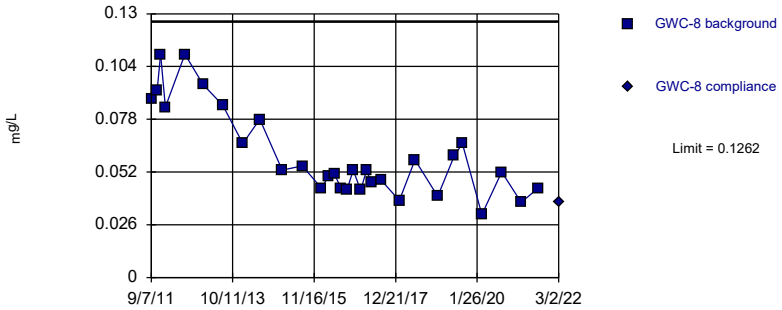
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.2426, Std. Dev.=0.04256, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9152, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 5/14/2022 12:57 PM View: PLs - App I

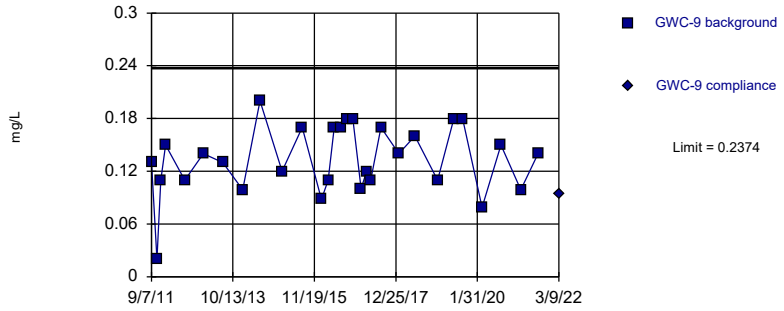
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.1338, Std. Dev.=0.0391, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9471, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 5/14/2022 12:57 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

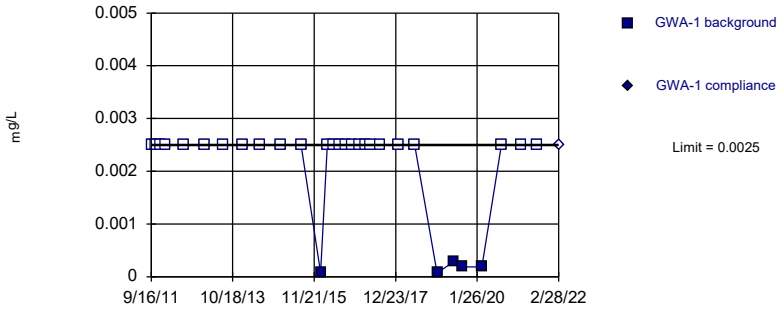
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 5/14/2022 12:57 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

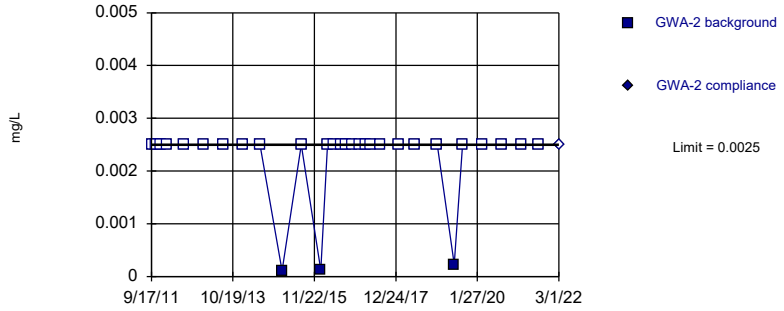
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 5/14/2022 12:57 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

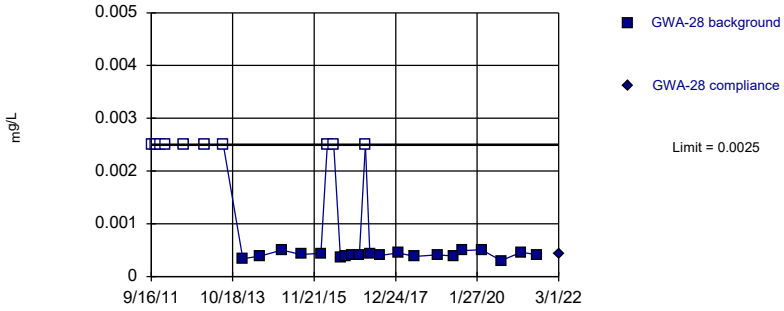
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

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. 33.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 5/14/2022 12:57 PM View: PLs - App I

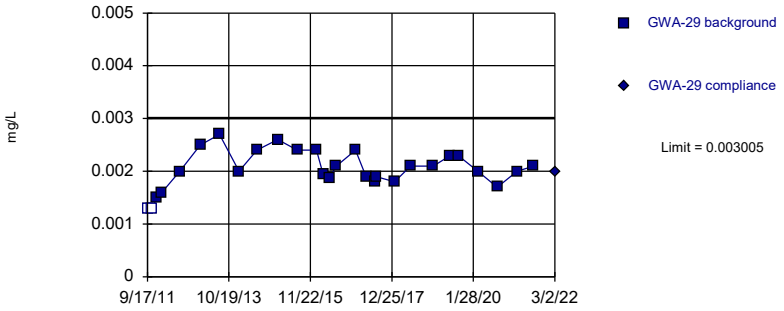
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.002036, Std. Dev.=0.0003611, n=28, 7.143% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9675, critical = 0.896. Kappa = 2.682 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

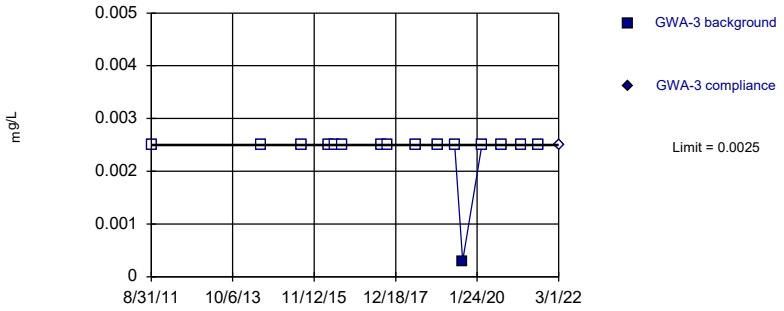
Constituent: Beryllium Analysis Run 5/14/2022 12:57 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

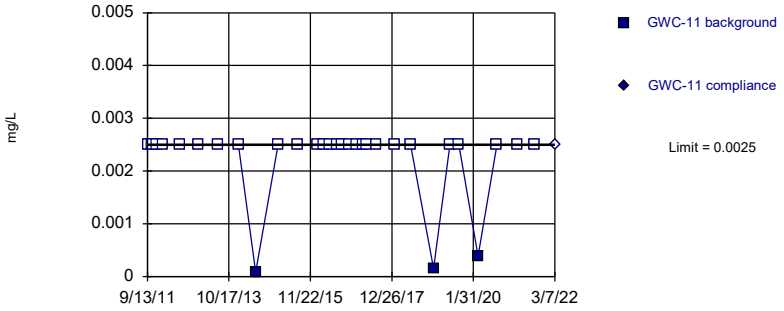
Constituent: Beryllium Analysis Run 5/14/2022 12:57 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

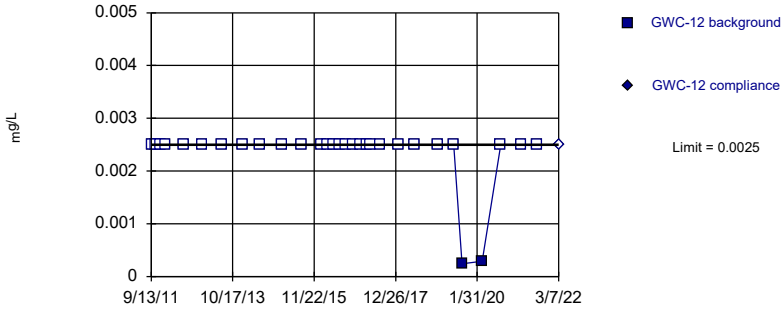
Constituent: Beryllium Analysis Run 5/14/2022 12:57 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

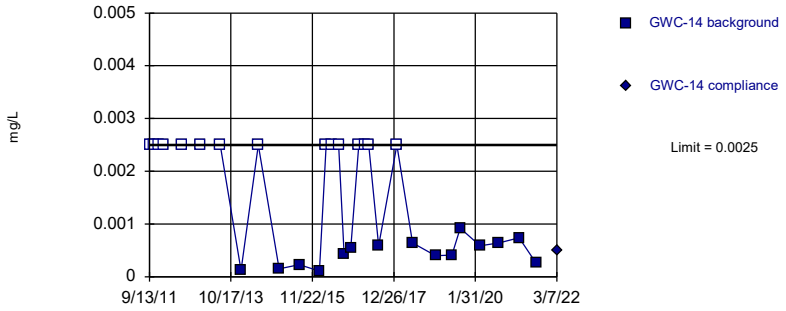
Constituent: Beryllium Analysis Run 5/14/2022 12:57 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. 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. 50% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 5/14/2022 12:57 PM View: PLs - App I

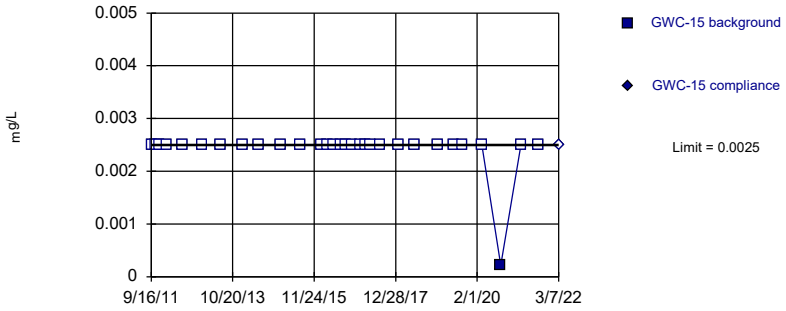
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 5/14/2022 12:57 PM View: PLs - App I

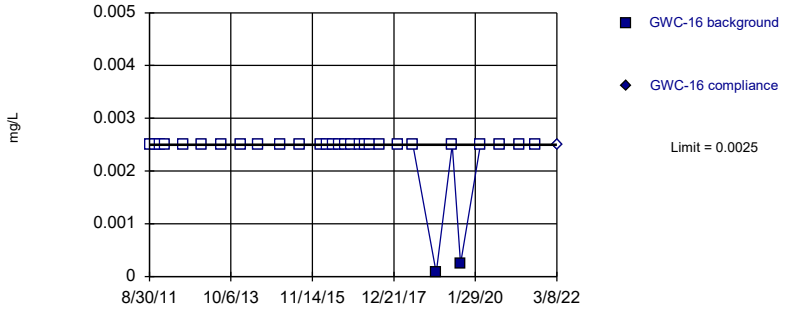
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 5/14/2022 12:57 PM View: PLs - App I

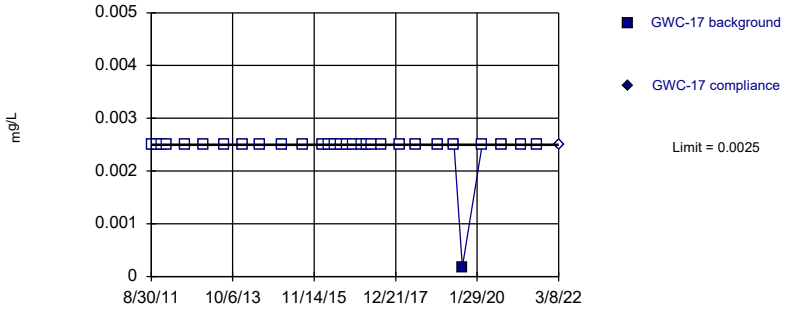
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 5/14/2022 12:57 PM View: PLs - App I

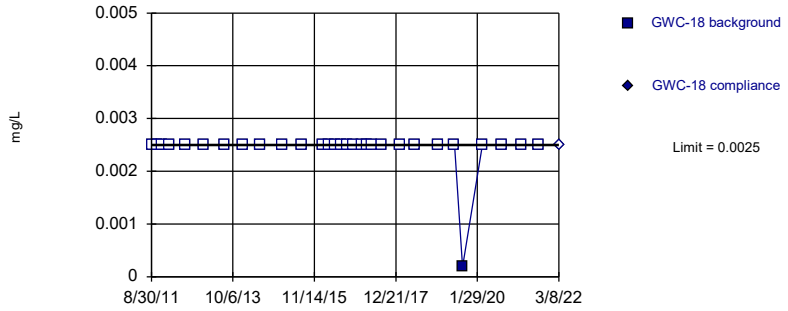
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 5/14/2022 12:57 PM View: PLs - App I

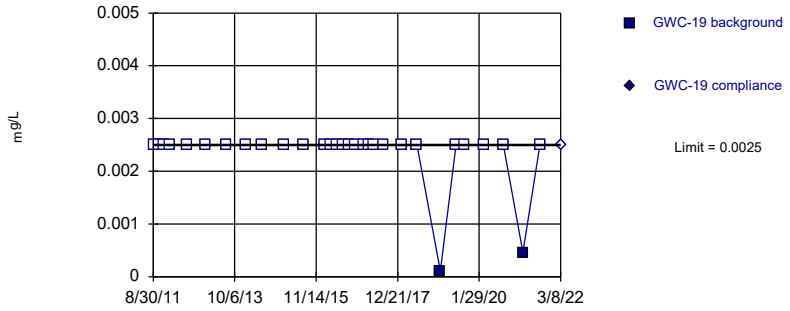
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 5/14/2022 12:57 PM View: PLs - App I

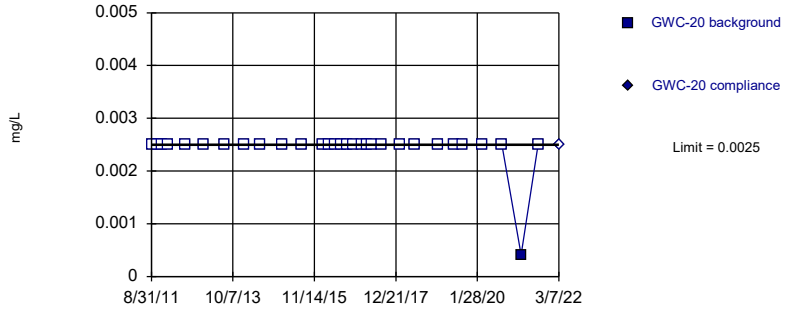
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 5/14/2022 12:57 PM View: PLs - App I

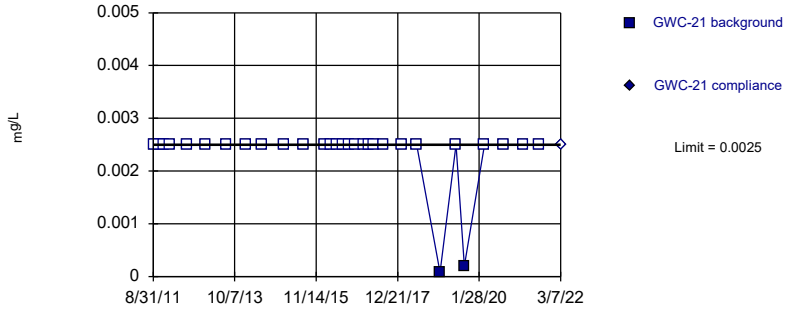
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

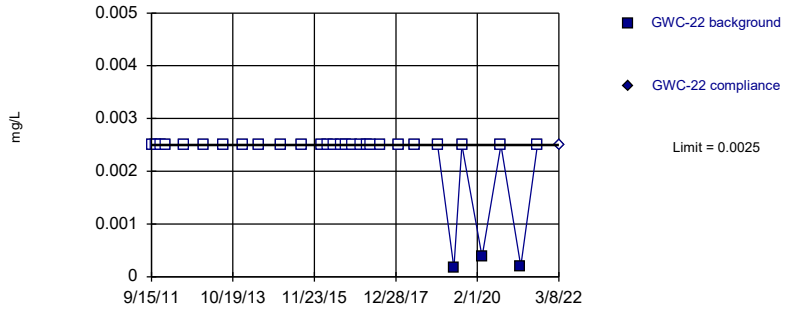
Constituent: Beryllium Analysis Run 5/14/2022 12:57 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



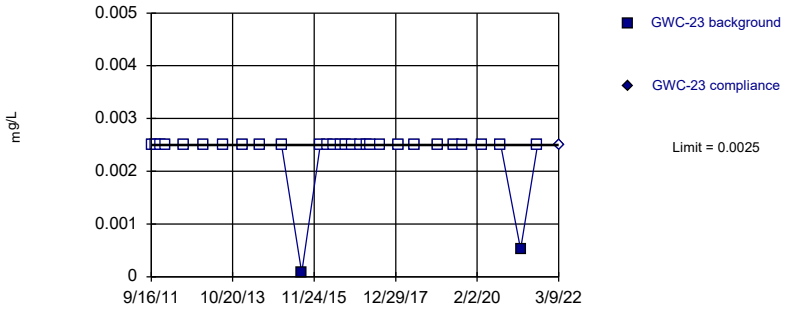
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 90% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 5/14/2022 12:57 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



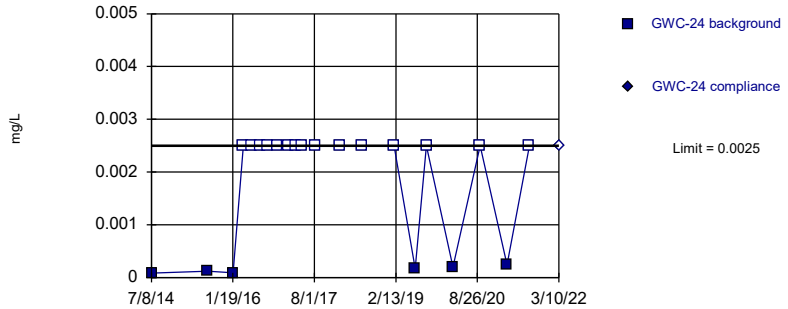
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 5/14/2022 12:57 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



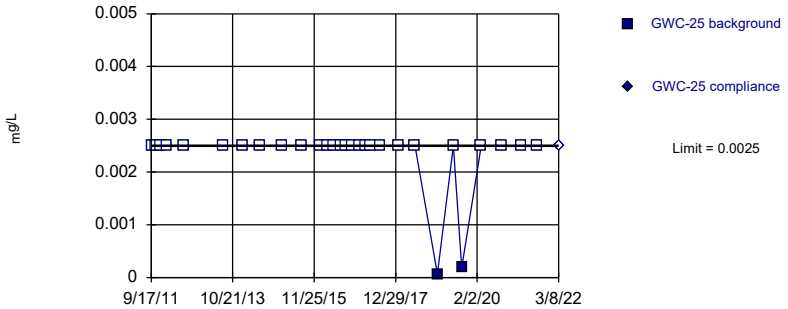
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Beryllium Analysis Run 5/14/2022 12:57 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

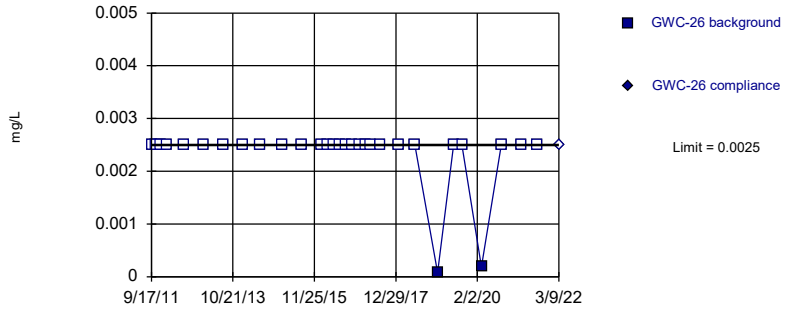
Constituent: Beryllium Analysis Run 5/14/2022 12:57 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

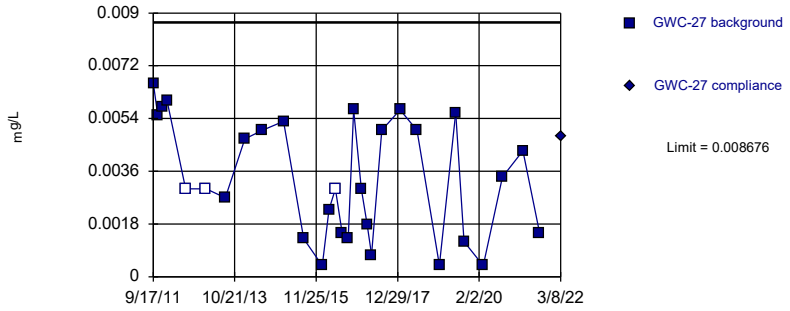
Constituent: Beryllium Analysis Run 5/14/2022 12:57 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.00337, Std. Dev.=0.002004, n=30, 10% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9113, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

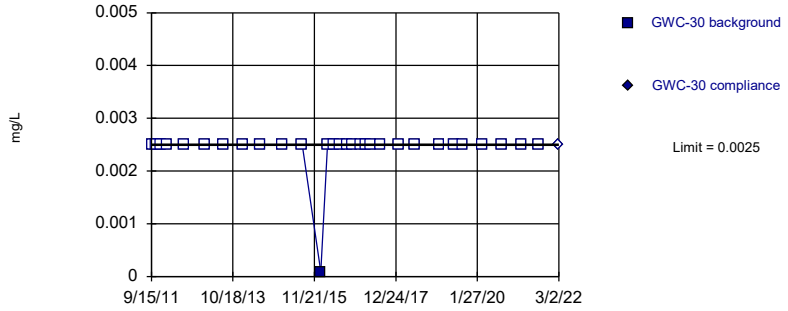
Constituent: Beryllium Analysis Run 5/14/2022 12:57 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

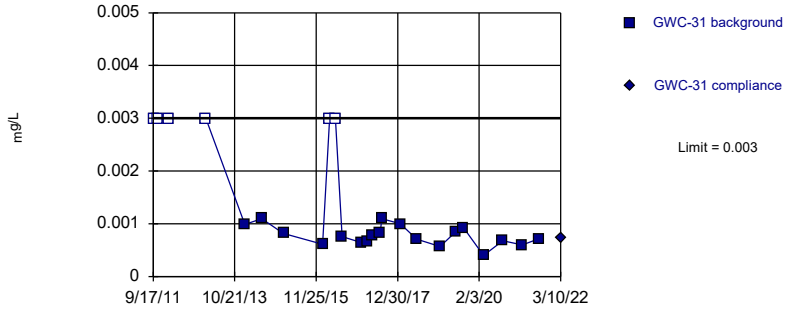
Constituent: Beryllium Analysis Run 5/14/2022 12:57 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. 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 25 background values. 24% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Beryllium Analysis Run 5/14/2022 12:57 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric

Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.001036, Std. Dev.=0.0003974, n=31, 22.58% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9305, critical = 0.902. Kappa = 2.636 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Beryllium Analysis Run 5/14/2022 12:58 PM View: PLs - App I

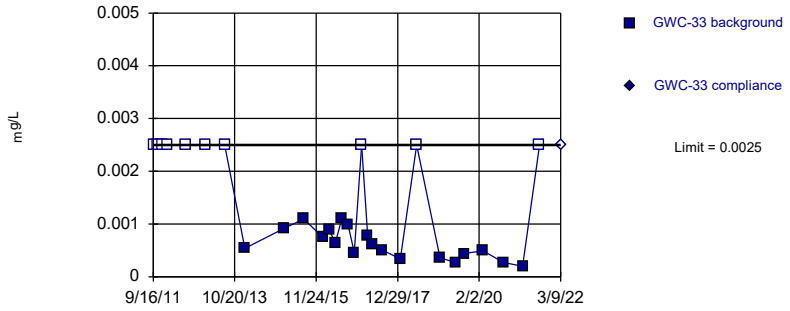
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. 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 29 background values. 34.48% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Beryllium Analysis Run 5/14/2022 12:58 PM View: PLs - App I

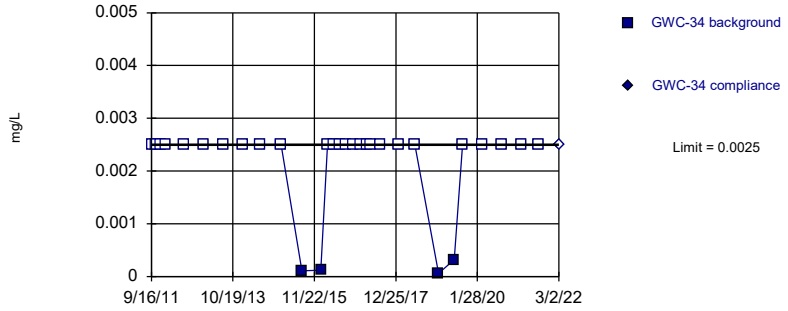
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 5/14/2022 12:58 PM View: PLs - App I

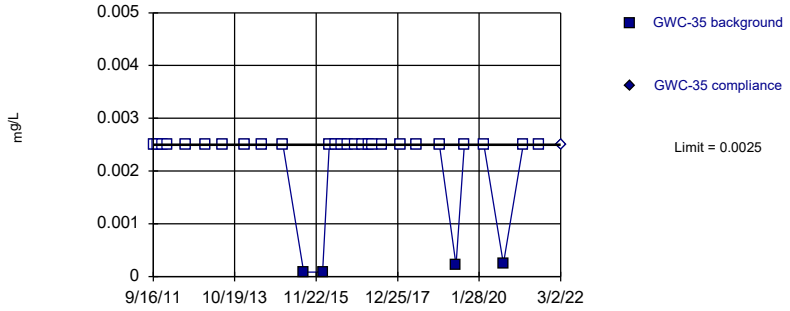
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 5/14/2022 12:58 PM View: PLs - App I

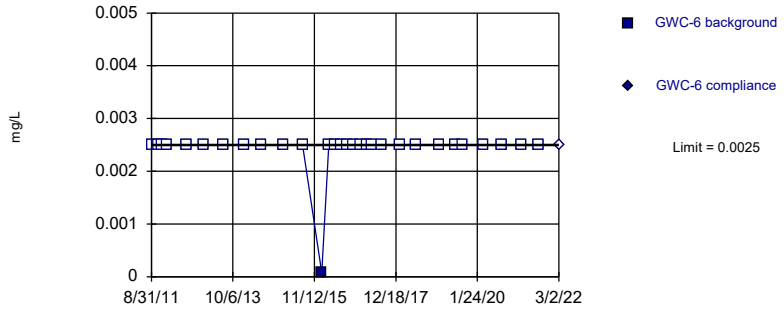
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 5/14/2022 12:58 PM View: PLs - App I

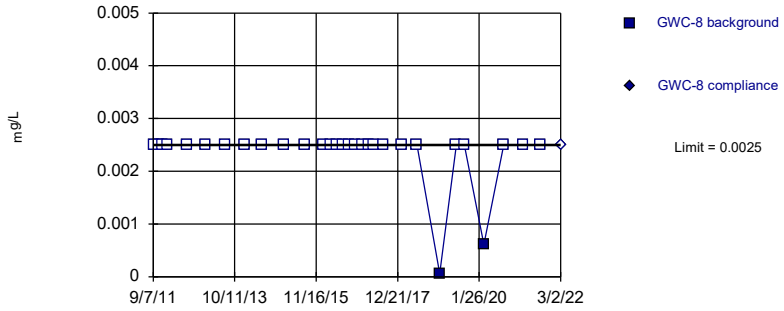
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 5/14/2022 12:58 PM View: PLs - App I

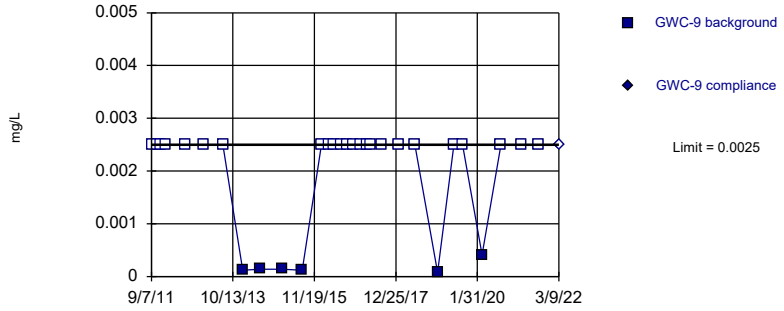
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 80% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 5/14/2022 12:58 PM View: PLs - App I

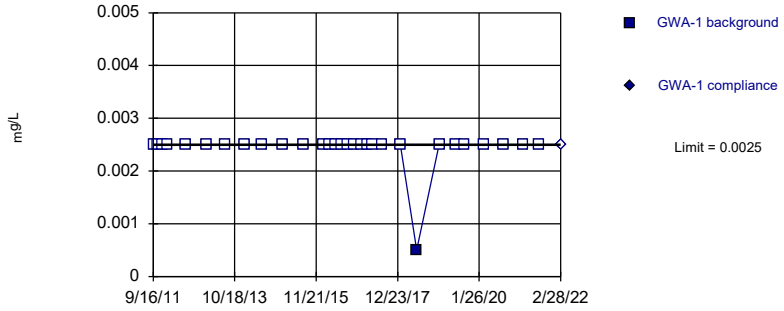
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

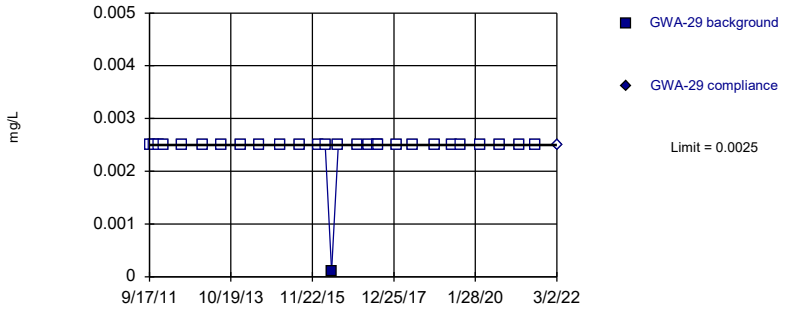
Constituent: Cadmium Analysis Run 5/14/2022 12:58 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



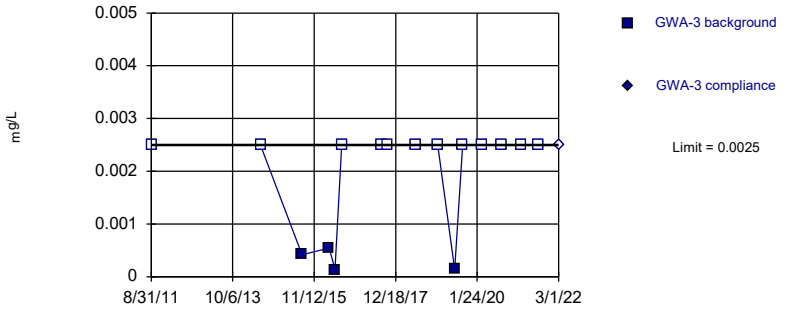
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Cadmium Analysis Run 5/14/2022 12:58 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



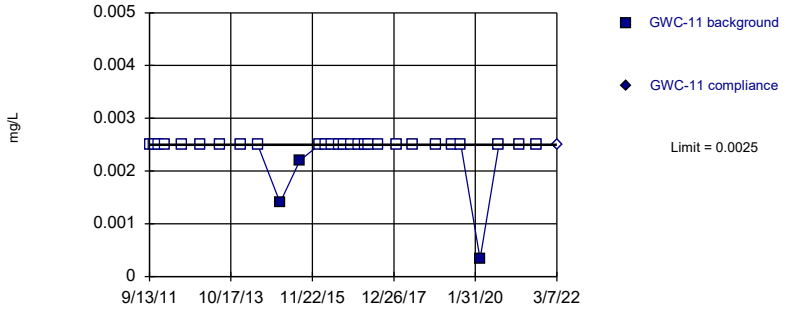
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Cadmium Analysis Run 5/14/2022 12:58 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



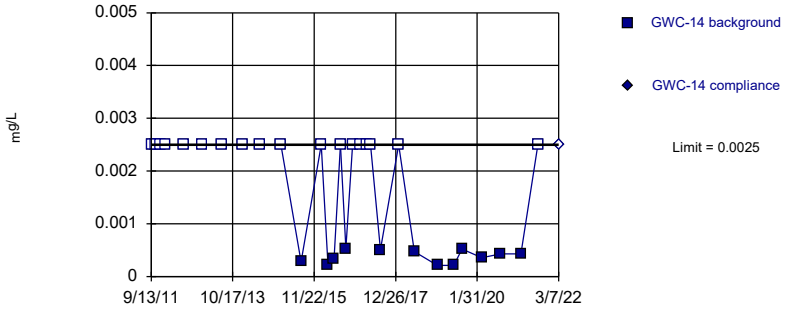
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 90% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cadmium Analysis Run 5/14/2022 12:58 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

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. 60% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

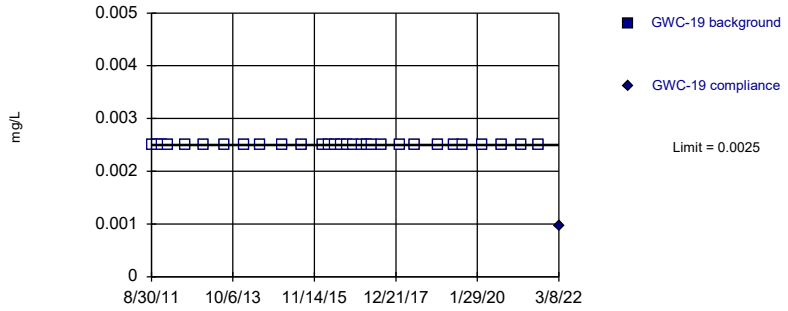
Constituent: Cadmium Analysis Run 5/14/2022 12:58 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate 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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

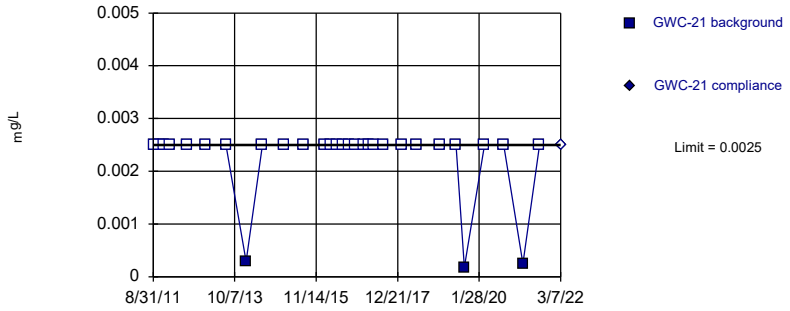
Constituent: Cadmium Analysis Run 5/14/2022 12:58 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

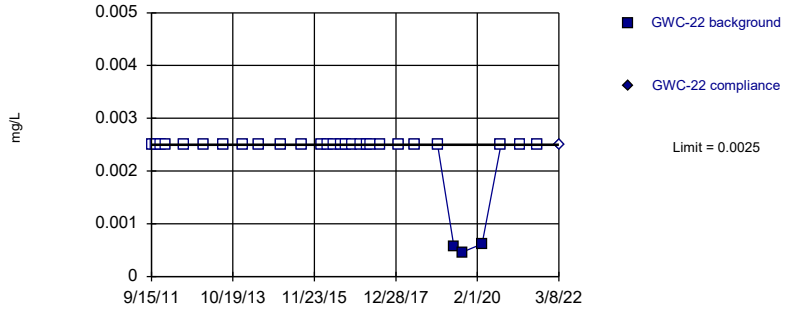
Constituent: Cadmium Analysis Run 5/14/2022 12:58 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

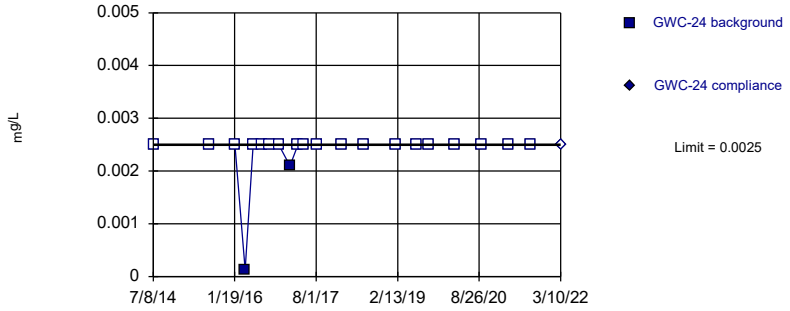
Constituent: Cadmium Analysis Run 5/14/2022 12:58 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

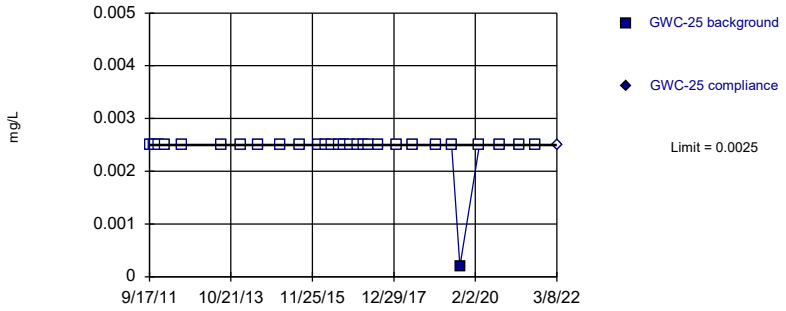
Constituent: Cadmium Analysis Run 5/14/2022 12:58 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cadmium Analysis Run 5/14/2022 12:58 PM View: PLs - App I

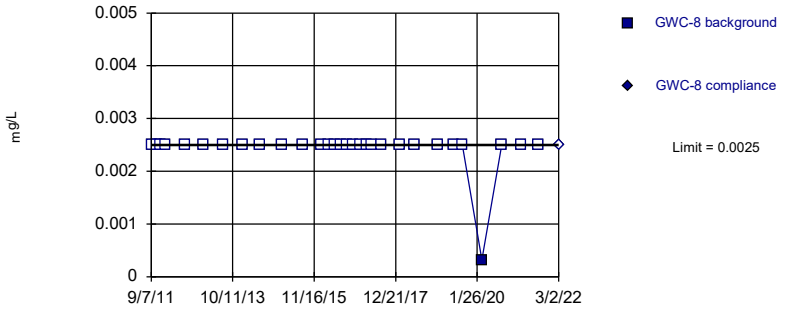
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cadmium Analysis Run 5/14/2022 12:58 PM View: PLs - App I

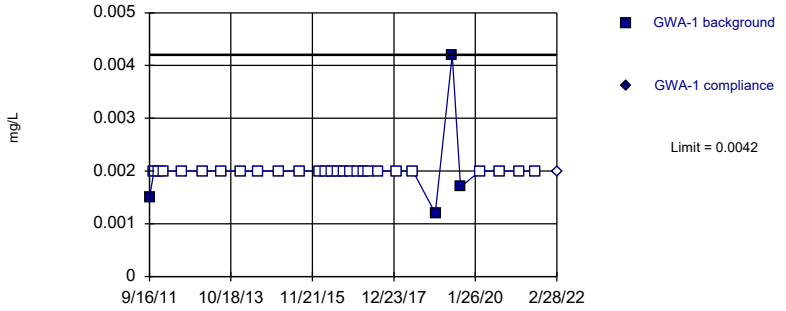
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 5/14/2022 12:58 PM View: PLs - App I

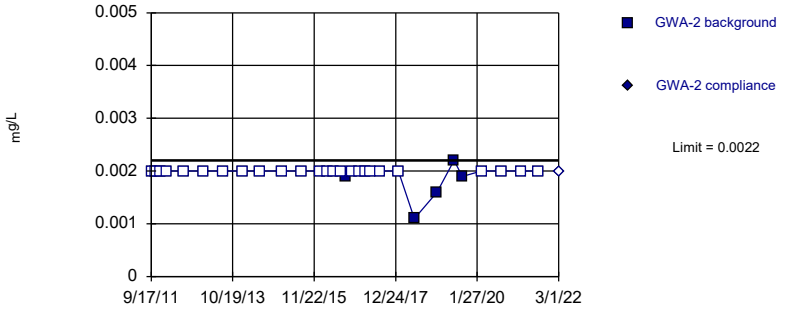
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 5/14/2022 12:58 PM View: PLs - App I

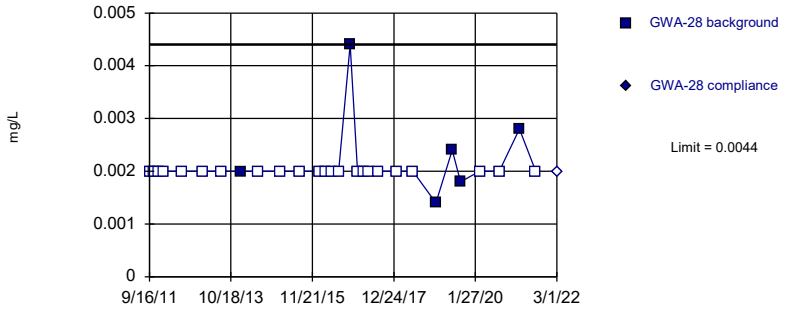
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 79.31% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Chromium Analysis Run 5/14/2022 12:58 PM View: PLs - App I

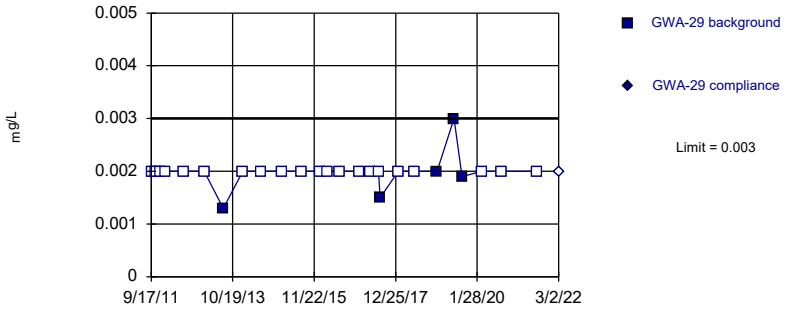
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 5/14/2022 12:58 PM View: PLs - App I

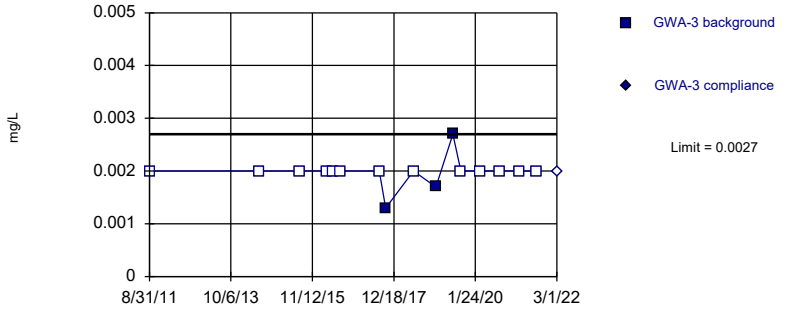
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Chromium Analysis Run 5/14/2022 12:58 PM View: PLs - App I

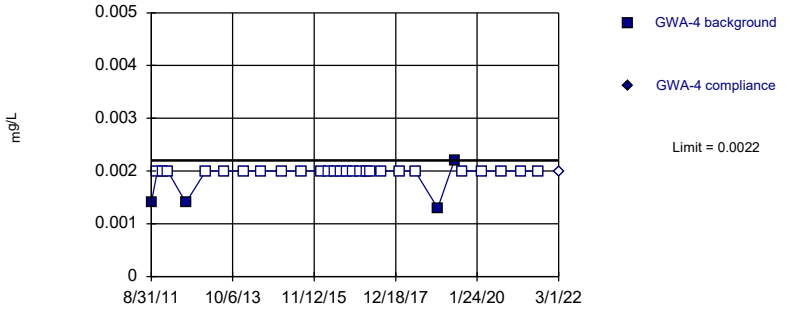
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 5/14/2022 12:58 PM View: PLs - App I

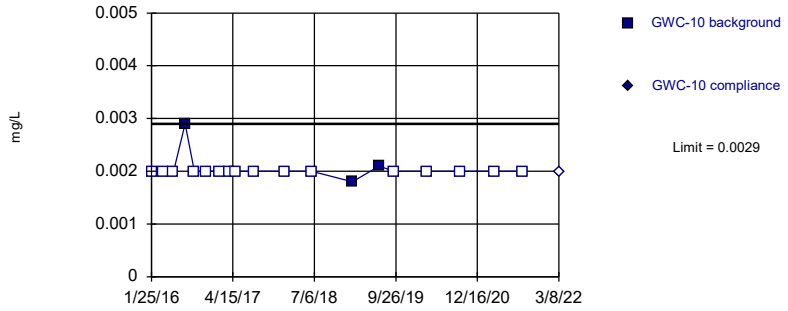
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 84.21% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Chromium Analysis Run 5/14/2022 12:58 PM View: PLs - App I

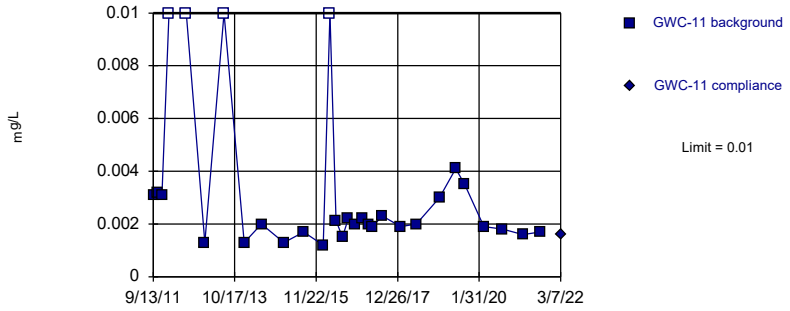
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. 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. 13.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 5/14/2022 12:58 PM View: PLs - App I

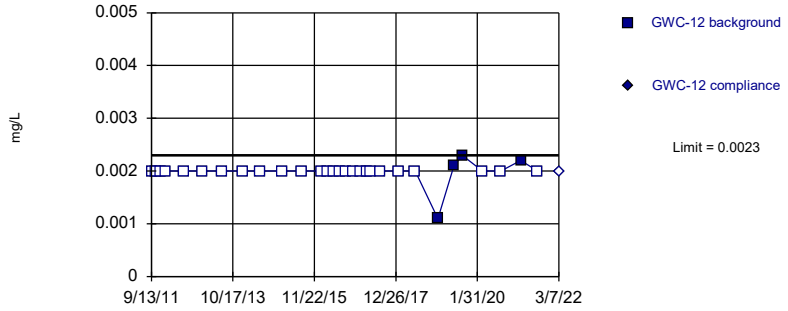
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 5/14/2022 12:58 PM View: PLs - App I

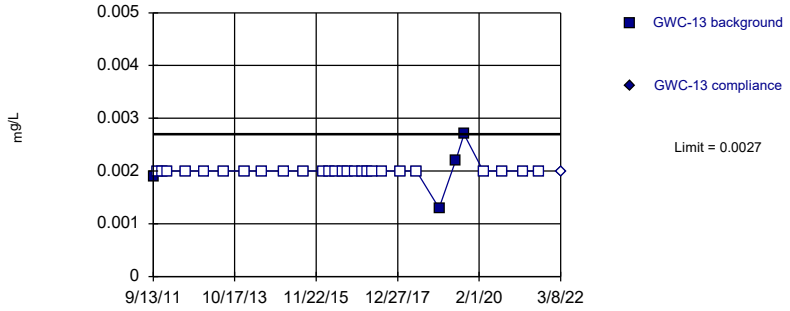
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 5/14/2022 12:58 PM View: PLs - App I

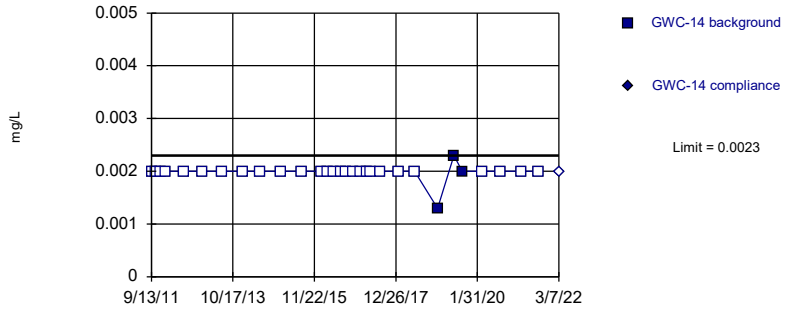
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 5/14/2022 12:58 PM View: PLs - App I

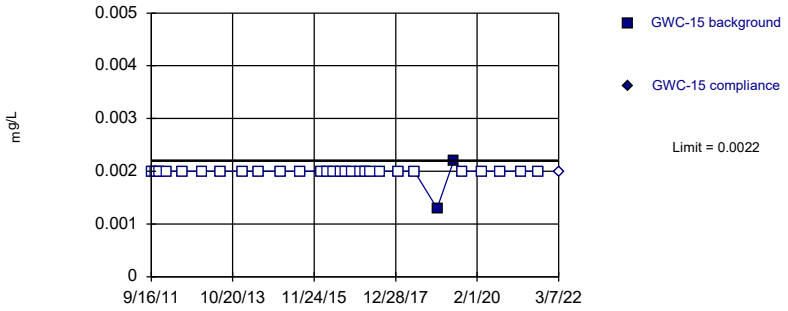
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 5/14/2022 12:58 PM View: PLs - App I

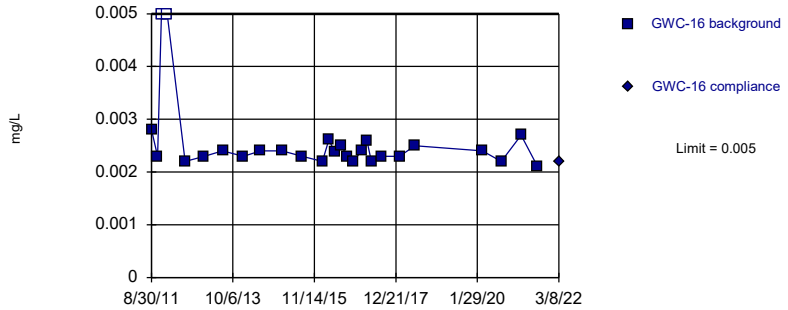
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. 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 27 background values. 7.407% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Chromium Analysis Run 5/14/2022 12:58 PM View: PLs - App I

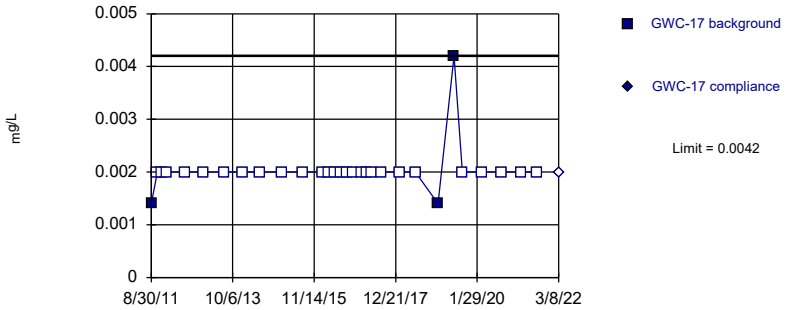
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

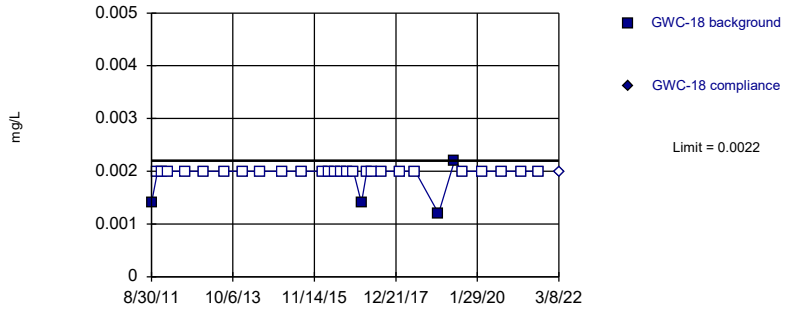
Constituent: Chromium Analysis Run 5/14/2022 12:58 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



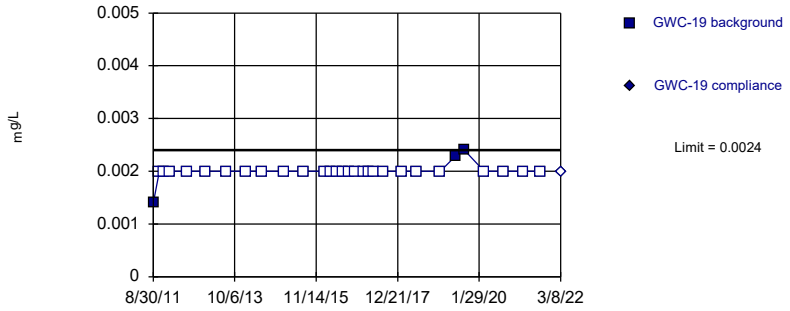
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 5/14/2022 12:58 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



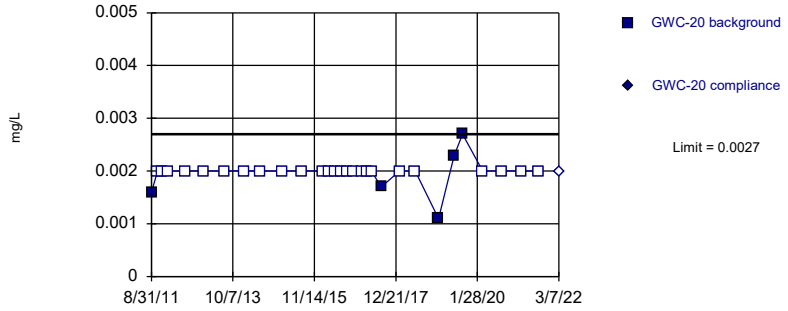
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 90% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 5/14/2022 12:58 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



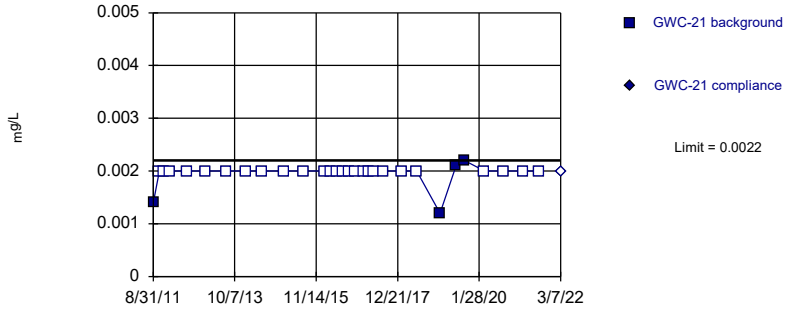
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 5/14/2022 12:58 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

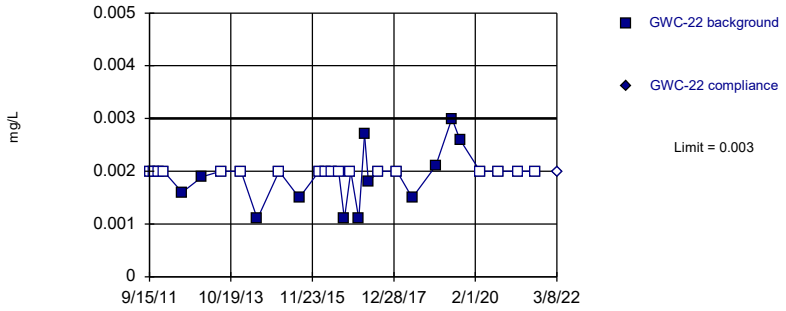
Constituent: Chromium Analysis Run 5/14/2022 12:58 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 60% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 5/14/2022 12:58 PM View: PLs - App I

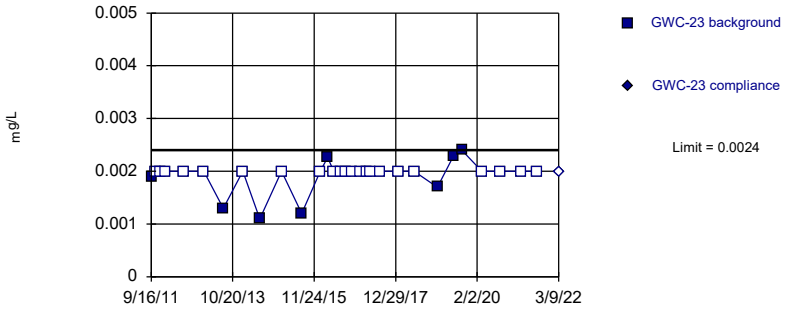
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 5/14/2022 12:58 PM View: PLs - App I

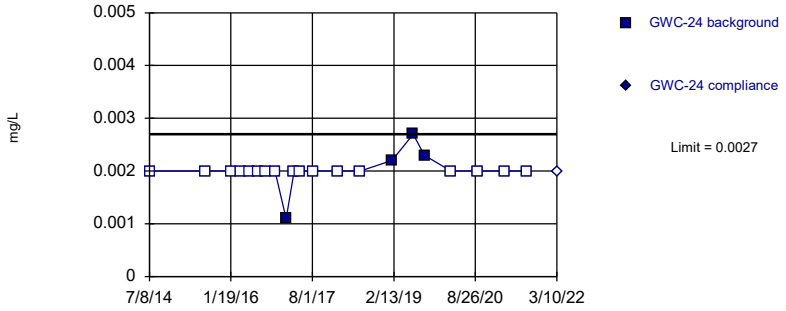
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 80.95% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Chromium Analysis Run 5/14/2022 12:58 PM View: PLs - App I

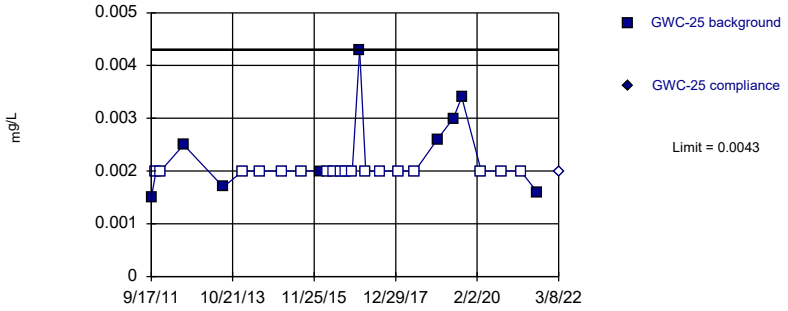
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Chromium Analysis Run 5/14/2022 12:58 PM View: PLs - App I

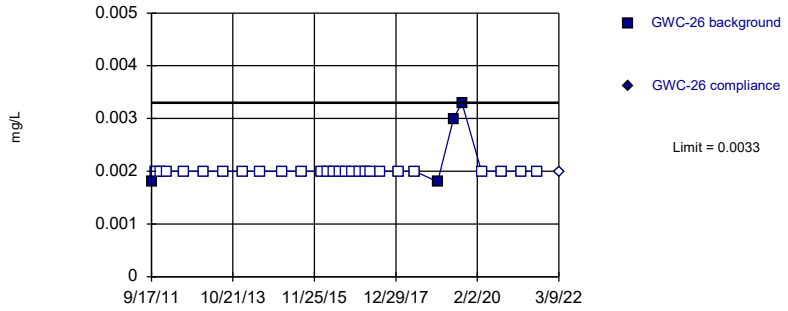
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 5/14/2022 12:58 PM View: PLs - App I

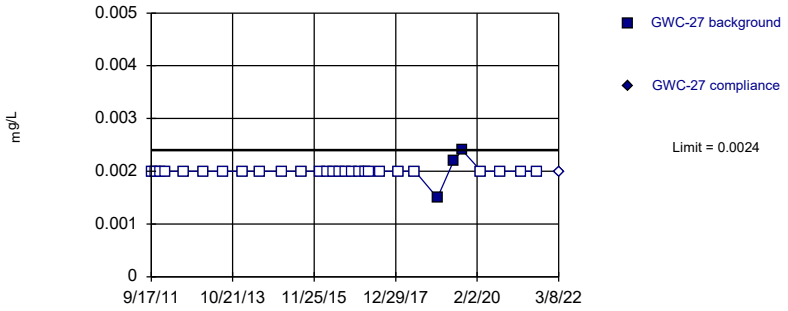
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 5/14/2022 12:59 PM View: PLs - App I

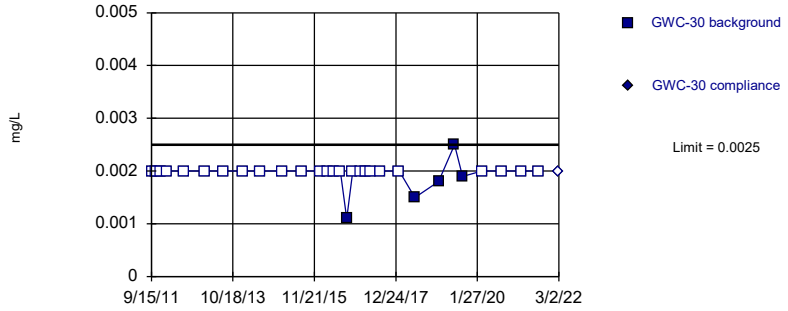
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 5/14/2022 12:59 PM View: PLs - App I

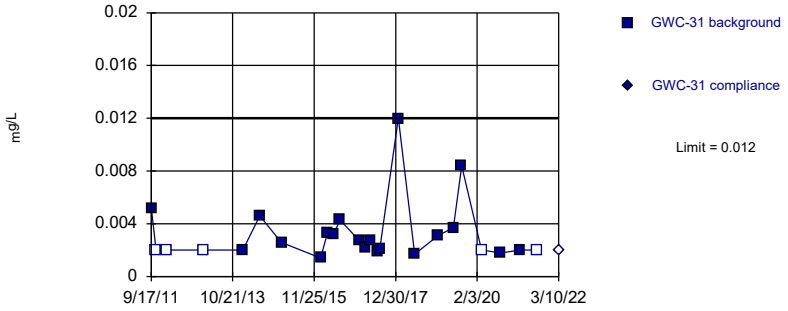
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. 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 25 background values. 20% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Chromium Analysis Run 5/14/2022 12:59 PM View: PLs - App I

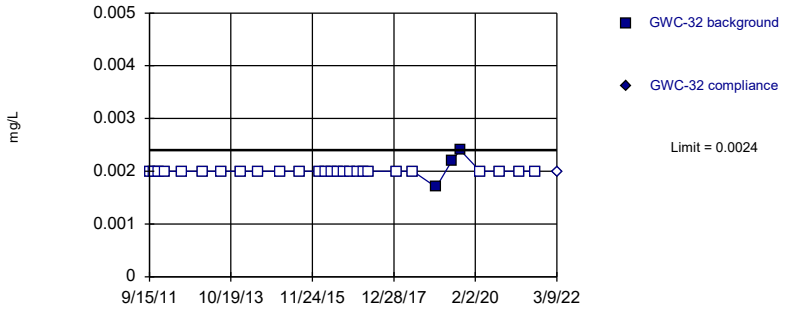
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Chromium Analysis Run 5/14/2022 12:59 PM View: PLs - App I

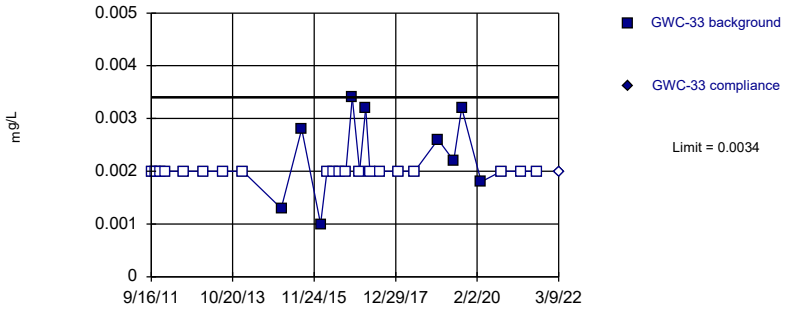
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 68.97% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Chromium Analysis Run 5/14/2022 12:59 PM View: PLs - App I

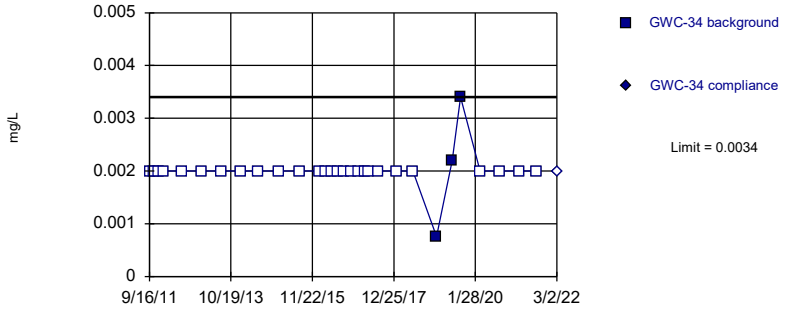
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 5/14/2022 12:59 PM View: PLs - App I

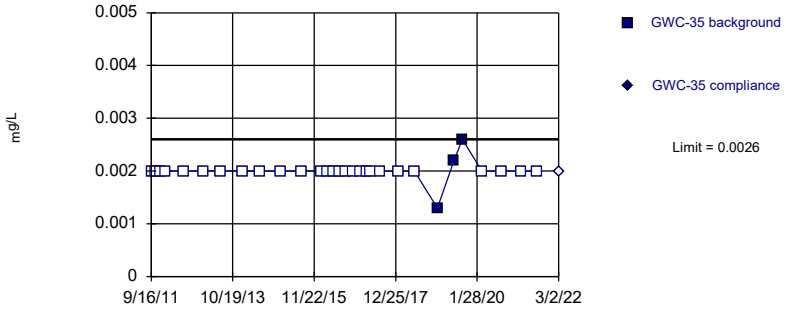
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

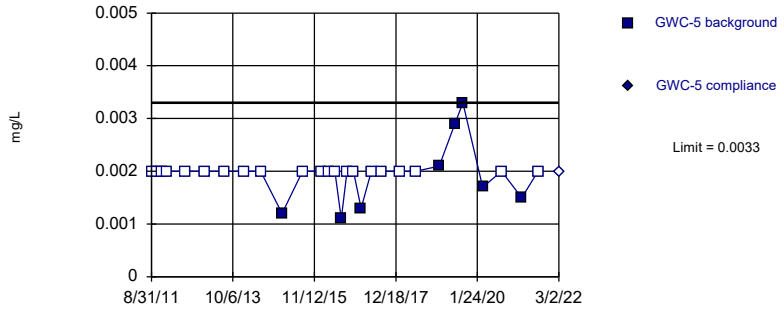
Constituent: Chromium Analysis Run 5/14/2022 12:59 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



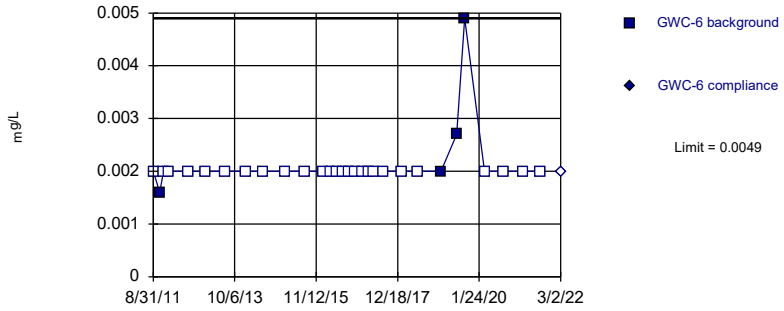
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 72.41% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Chromium Analysis Run 5/14/2022 12:59 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



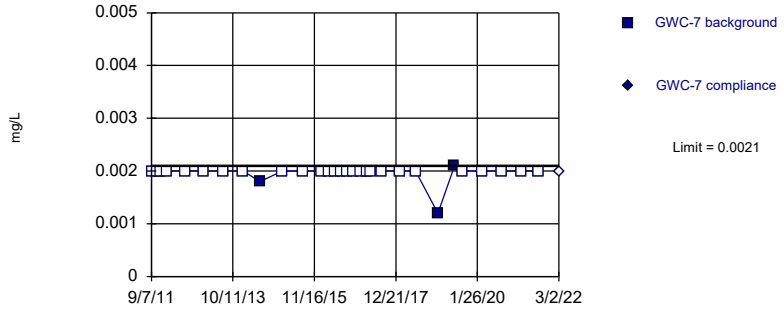
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 5/14/2022 12:59 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



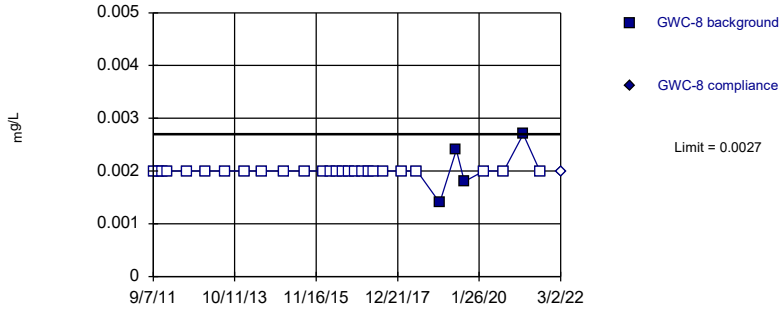
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 90% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 5/14/2022 12:59 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

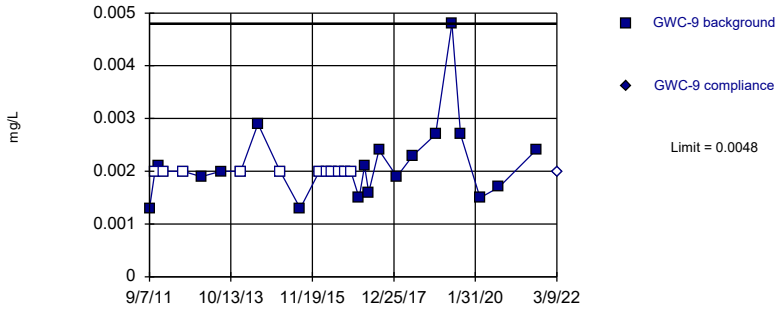
Constituent: Chromium Analysis Run 5/14/2022 12:59 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. 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 29 background values. 37.93% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

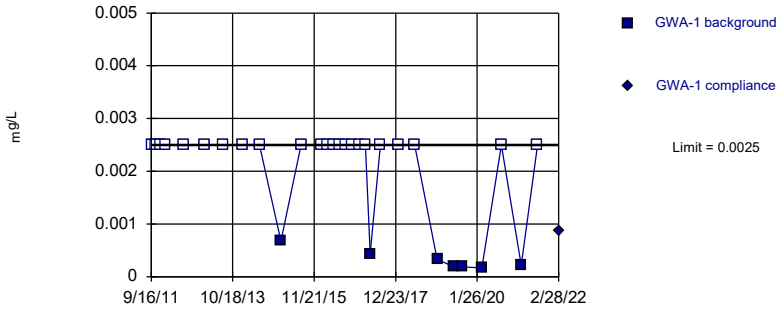
Constituent: Chromium Analysis Run 5/14/2022 12:59 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 76.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

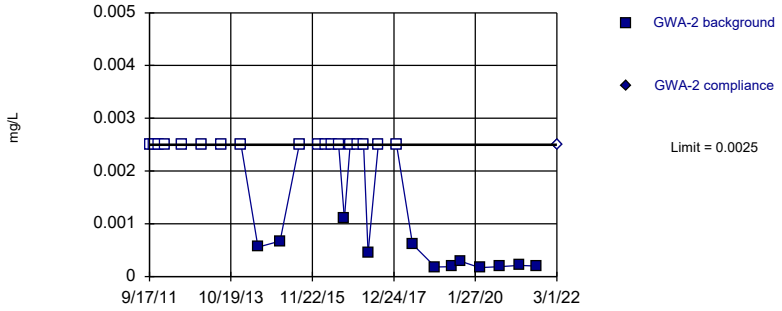
Constituent: Cobalt Analysis Run 5/14/2022 12:59 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 60% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

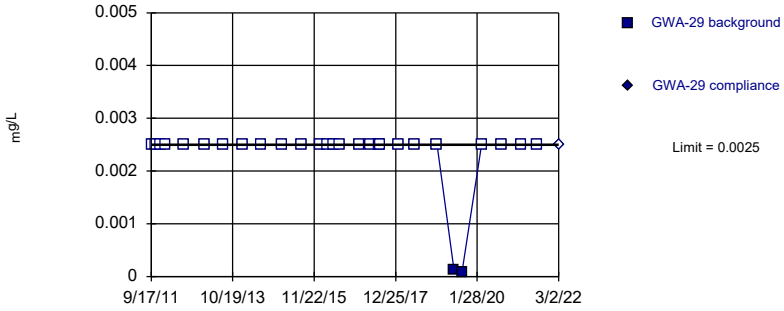
Constituent: Cobalt Analysis Run 5/14/2022 12:59 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

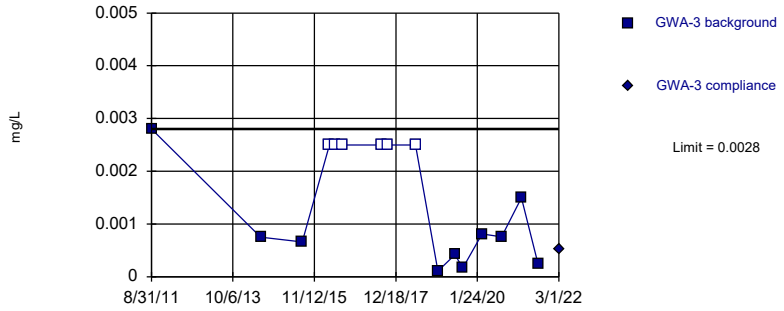
Constituent: Cobalt Analysis Run 5/14/2022 12:59 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. 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 0.05 alpha level. Limit is highest of 16 background values. 37.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

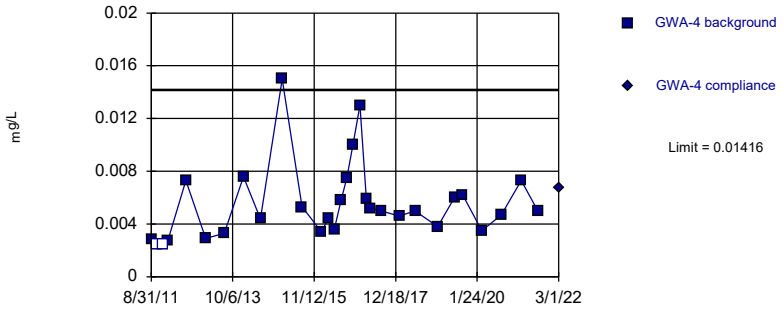
Constituent: Cobalt Analysis Run 5/14/2022 12:59 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.0724, Std. Dev.=0.0176, n=30, 6.667% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9062, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

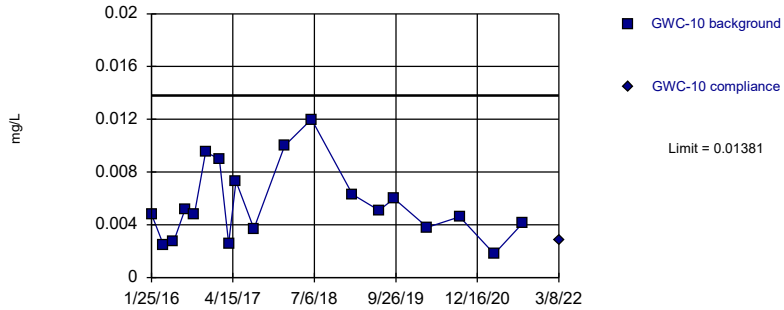
Constituent: Cobalt Analysis Run 5/14/2022 12:59 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.005569, Std. Dev.=0.002826, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9232, critical = 0.901. Kappa = 2.916 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

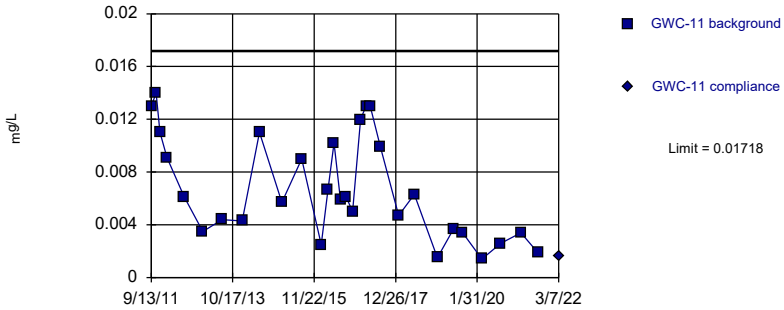
Constituent: Cobalt Analysis Run 5/14/2022 12:59 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



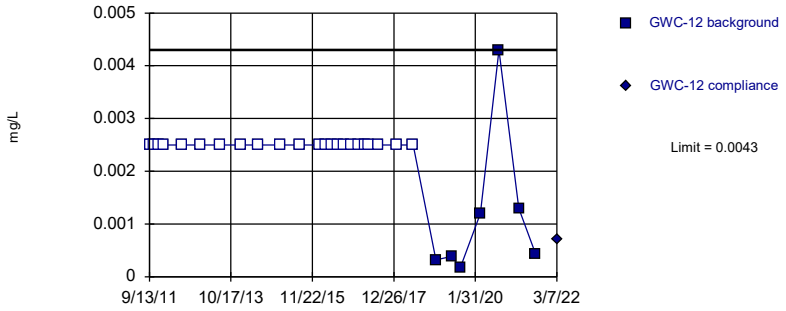
Background Data Summary: Mean=0.006808, Std. Dev.=0.003916, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9167, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Cobalt Analysis Run 5/14/2022 12:59 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit

Intrawell Non-parametric



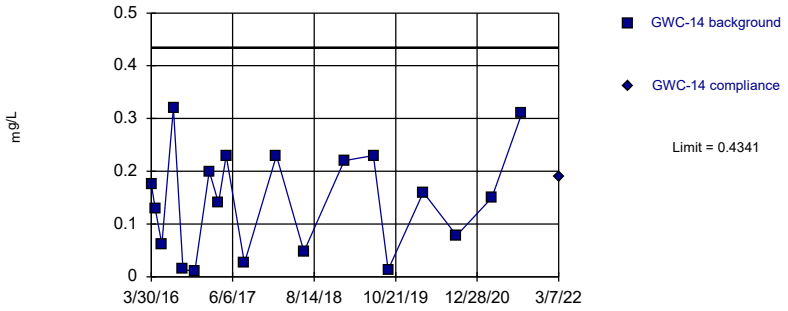
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 76.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cobalt Analysis Run 5/14/2022 12:59 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit

Intrawell Parametric



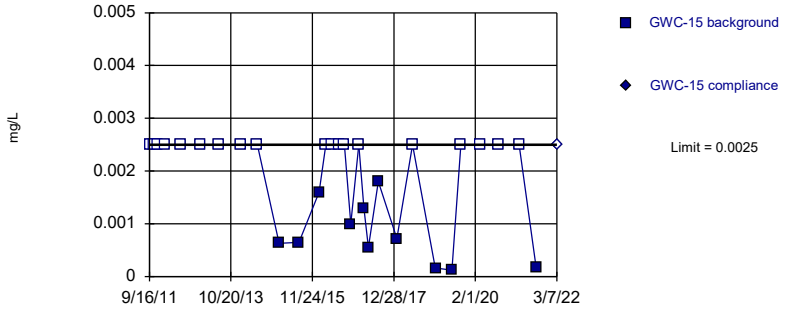
Background Data Summary: Mean=0.1446, Std. Dev.=0.09929, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9341, critical = 0.901. Kappa = 2.916 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Cobalt Analysis Run 5/14/2022 12:59 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit

Intrawell Non-parametric



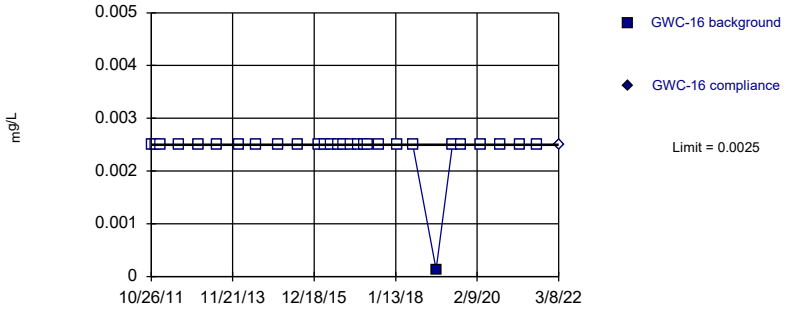
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 63.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cobalt Analysis Run 5/14/2022 12:59 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

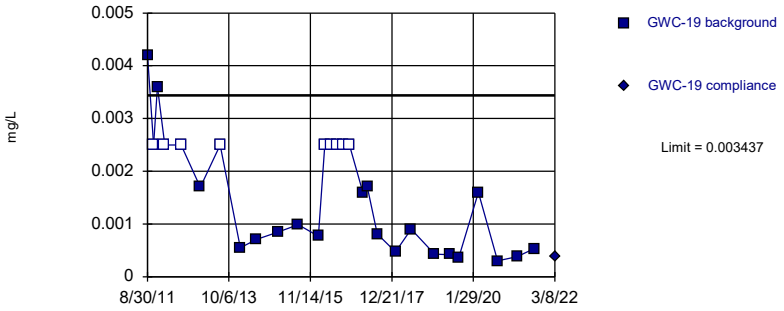
Constituent: Cobalt Analysis Run 5/14/2022 12:59 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by 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=0.02856, Std. Dev.=0.01128, n=29, 31.03% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9023, critical = 0.898. Kappa = 2.665 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

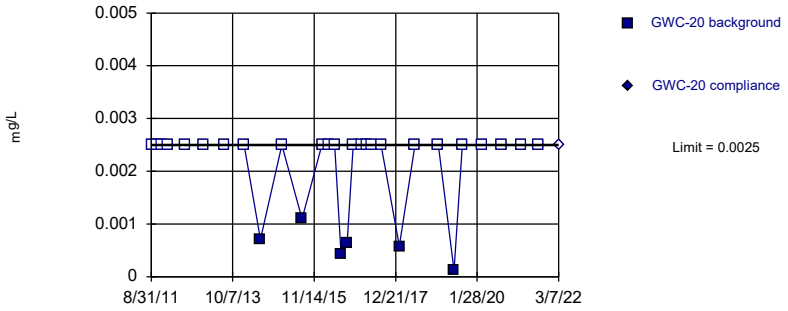
Constituent: Cobalt Analysis Run 5/14/2022 12:59 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 80% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

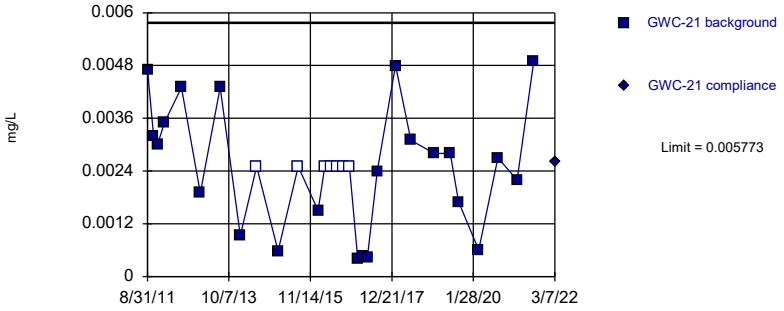
Constituent: Cobalt Analysis Run 5/14/2022 12:59 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.002045, Std. Dev.=0.001408, n=30, 23.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9307, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

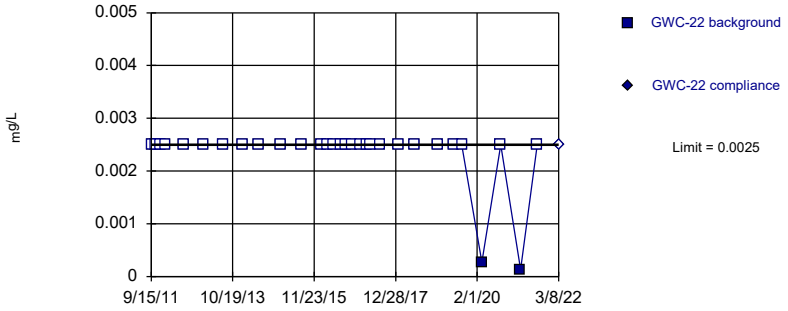
Constituent: Cobalt Analysis Run 5/14/2022 12:59 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

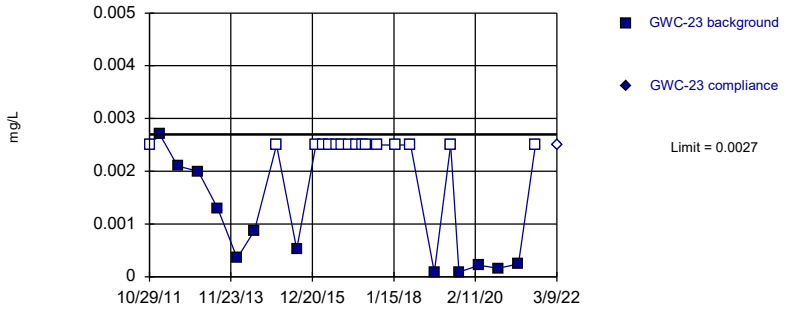
Constituent: Cobalt Analysis Run 5/14/2022 12:59 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 57.14% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

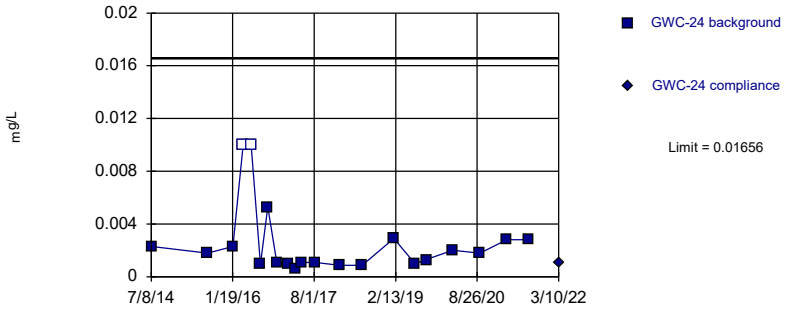
Constituent: Cobalt Analysis Run 5/14/2022 12:59 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=-6.308, Std. Dev.=0.7767, n=21, 9.524% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9043, critical = 0.873. Kappa = 2.842 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

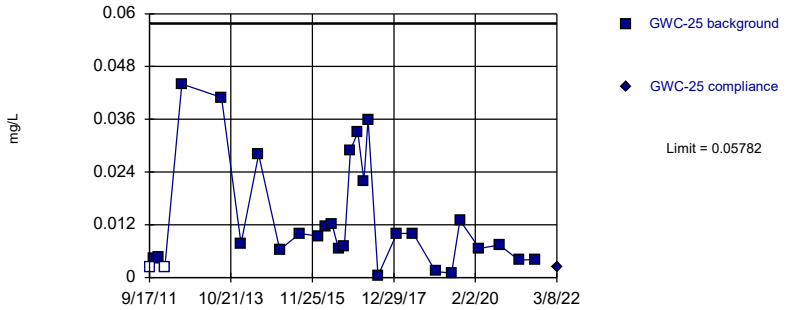
Constituent: Cobalt Analysis Run 5/14/2022 12:59 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.1017, Std. Dev.=0.05208, n=29, 6.897% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9223, critical = 0.898. Kappa = 2.665 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

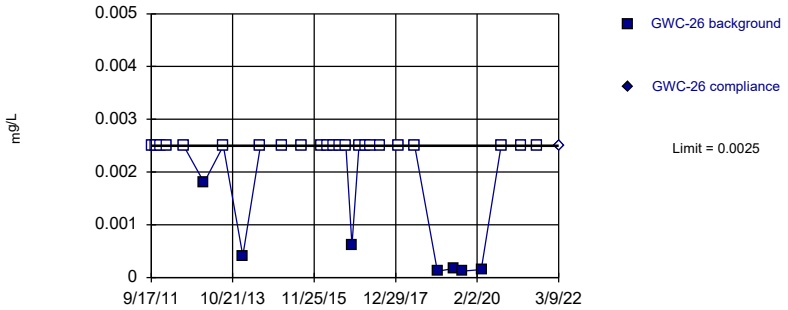
Constituent: Cobalt Analysis Run 5/14/2022 12:59 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 76.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

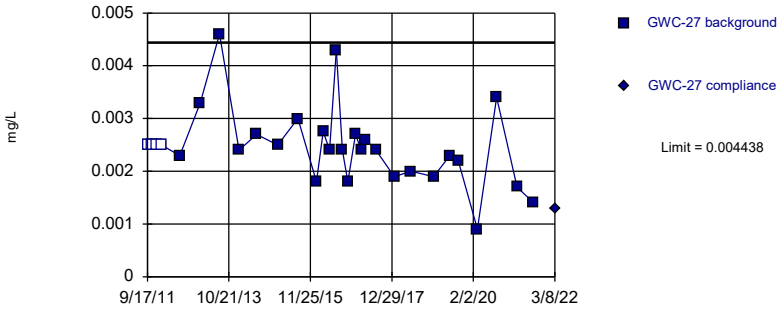
Constituent: Cobalt Analysis Run 5/14/2022 12:59 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.002468, Std. Dev.=0.000744, n=30, 13.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9082, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

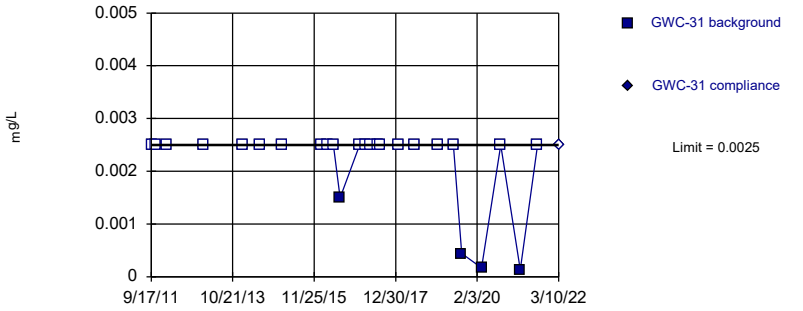
Constituent: Cobalt Analysis Run 5/14/2022 12:59 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 84% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

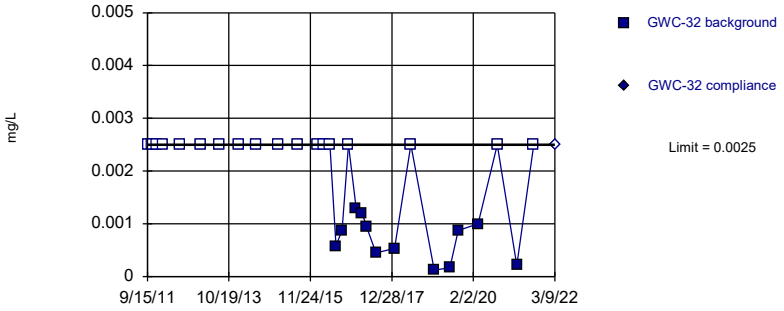
Constituent: Cobalt Analysis Run 5/14/2022 12:59 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 60% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

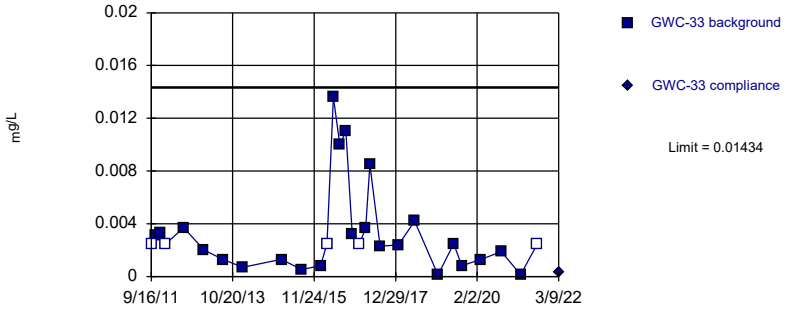
Constituent: Cobalt Analysis Run 5/14/2022 12:59 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by 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=0.04625, Std. Dev.=0.02758, n=29, 17.24% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9027, critical = 0.898. Kappa = 2.665 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

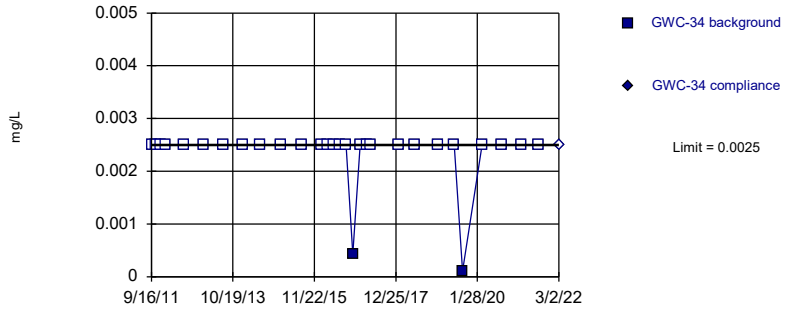
Constituent: Cobalt Analysis Run 5/14/2022 12:59 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

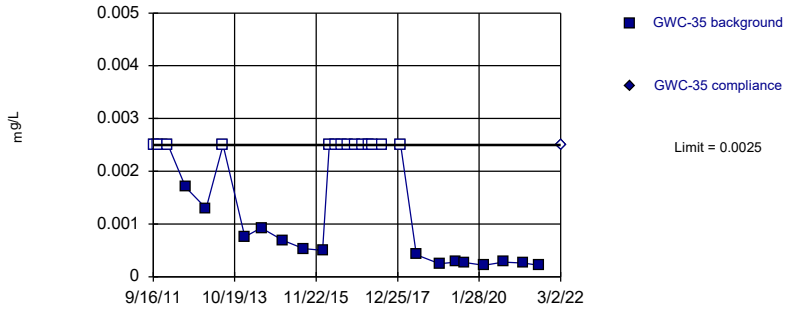
Constituent: Cobalt Analysis Run 5/14/2022 12:59 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. 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. 46.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

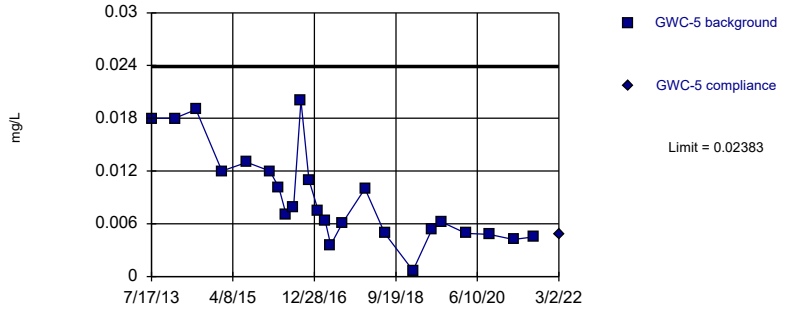
Constituent: Cobalt Analysis Run 5/14/2022 12:59 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.009045, Std. Dev.=0.005357, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9047, critical = 0.884. Kappa = 2.76 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

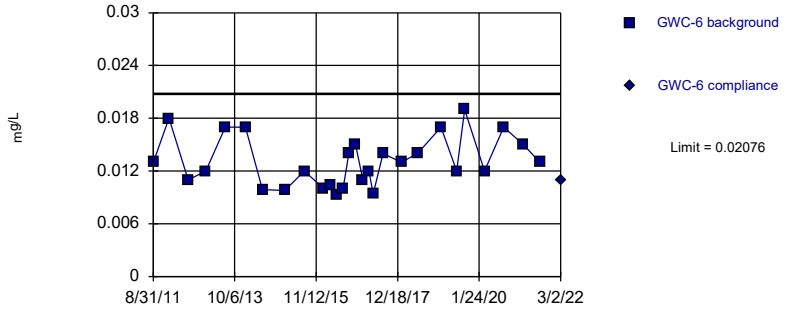
Constituent: Cobalt Analysis Run 5/14/2022 12:59 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



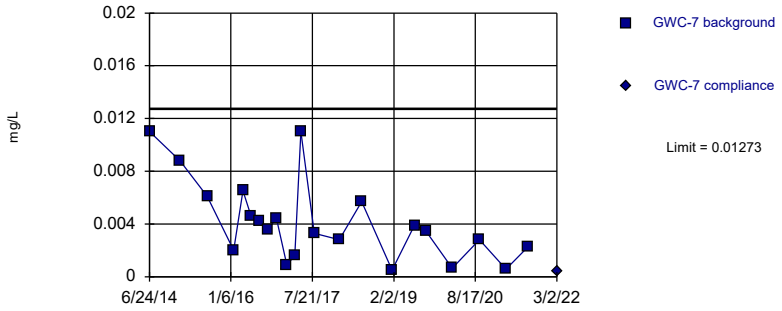
Background Data Summary: Mean=0.0131, Std. Dev.=0.002856, n=28. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9257, critical = 0.896. Kappa = 2.682 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Cobalt Analysis Run 5/14/2022 12:59 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.004127, Std. Dev.=0.003055, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8943, critical = 0.878. Kappa = 2.815 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

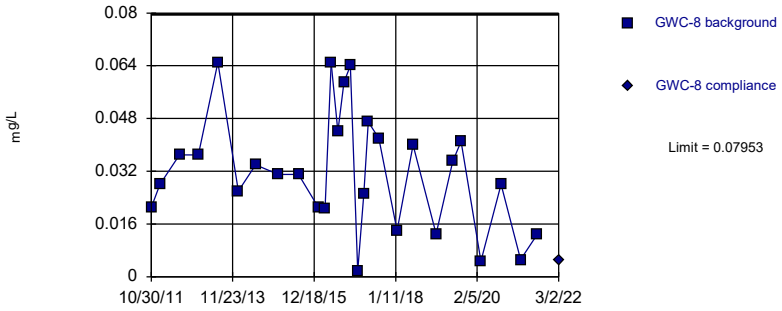
Constituent: Cobalt Analysis Run 5/14/2022 12:59 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.0319, Std. Dev.=0.01776, n=28. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9573, critical = 0.896. Kappa = 2.682 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Cobalt Analysis Run 5/14/2022 12:59 PM View: PLs - App I

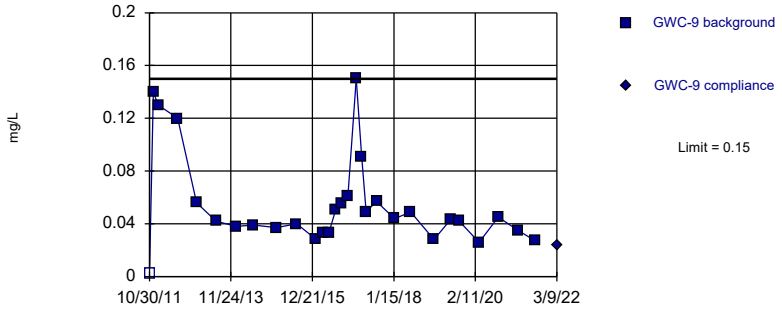
Plant Wansley Client: Southern Company Data: Wansley Landfill

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 29 background values. 3.448% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt Analysis Run 5/14/2022 12:59 PM View: PLs - App I

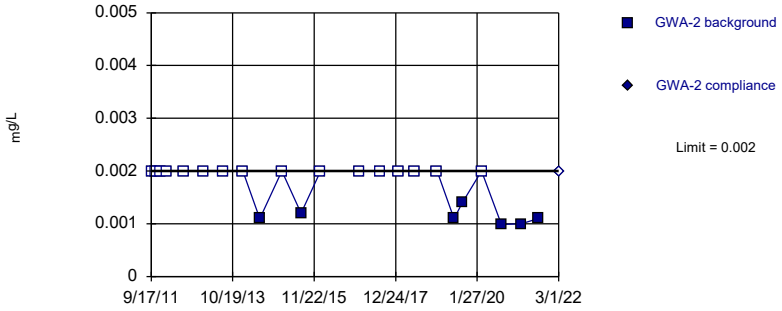
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 69.57% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 5/14/2022 1:00 PM View: PLs - App I

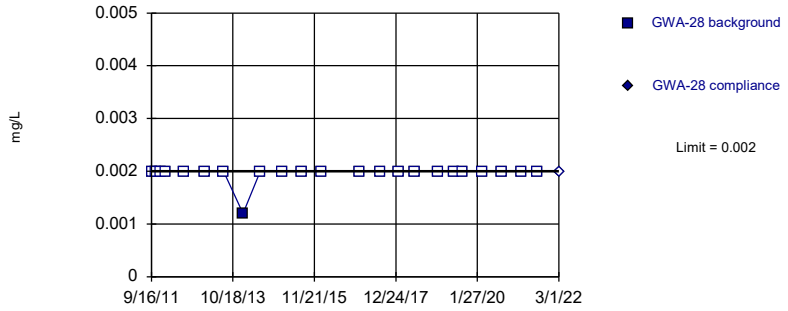
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

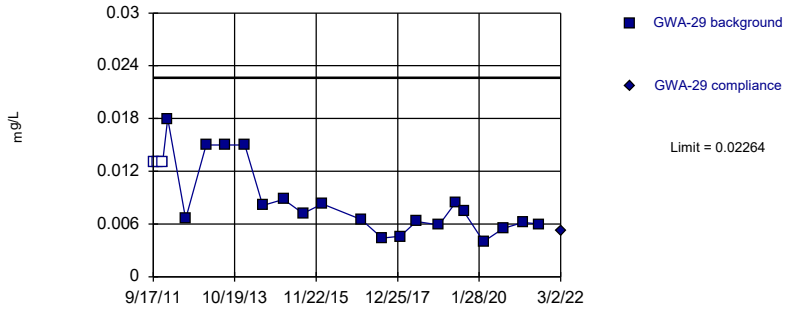
Constituent: Copper Analysis Run 5/14/2022 1:00 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.0925, Std. Dev.=0.0208, n=23, 13.04% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9113, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

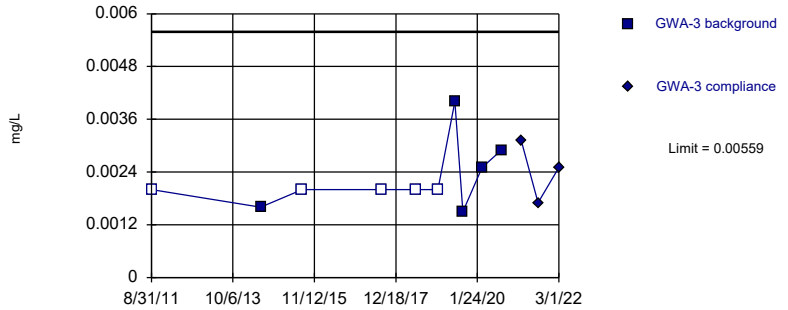
Constituent: Copper Analysis Run 5/14/2022 1:00 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by 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=0.04427, Std. Dev.=0.008099, n=10, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8428, critical = 0.842. Kappa = 3.766 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

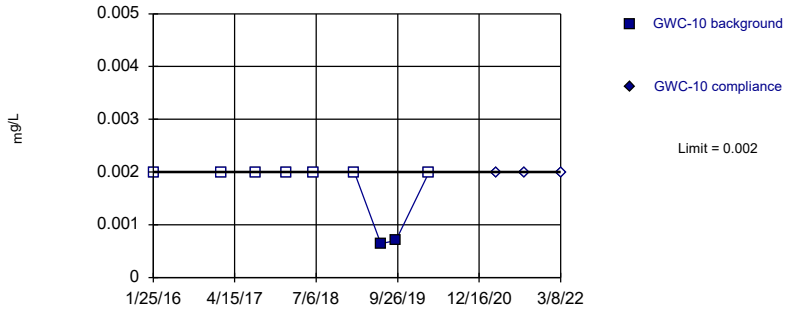
Constituent: Copper Analysis Run 5/14/2022 1:00 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.03586. Individual comparison alpha = 0.01809 (1 of 2).

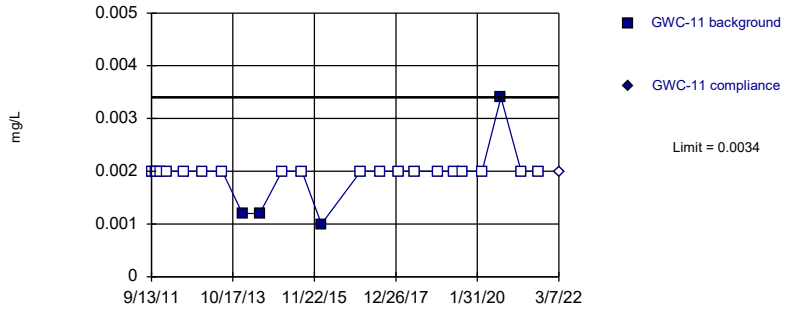
Constituent: Copper Analysis Run 5/14/2022 1:00 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 82.61% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 5/14/2022 1:00 PM View: PLs - App I

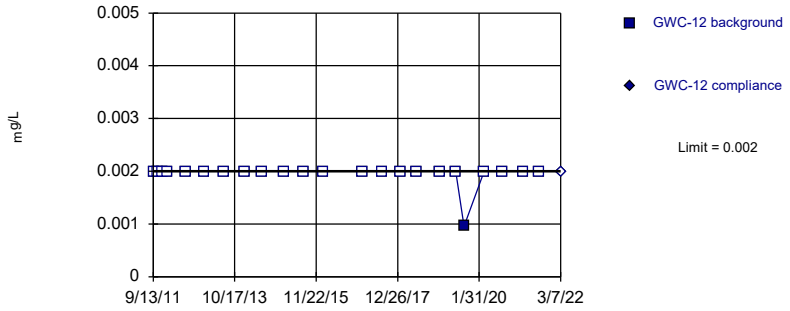
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 5/14/2022 1:00 PM View: PLs - App I

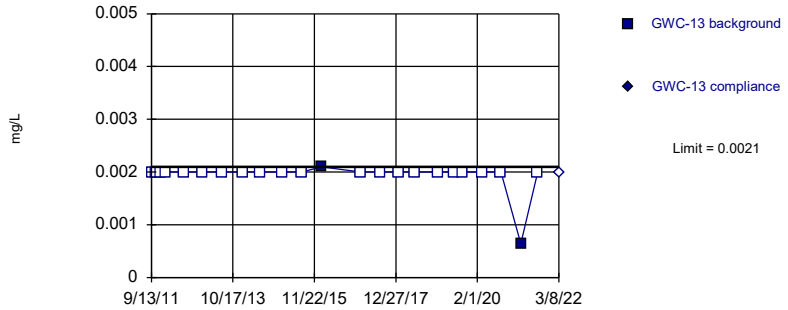
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 5/14/2022 1:00 PM View: PLs - App I

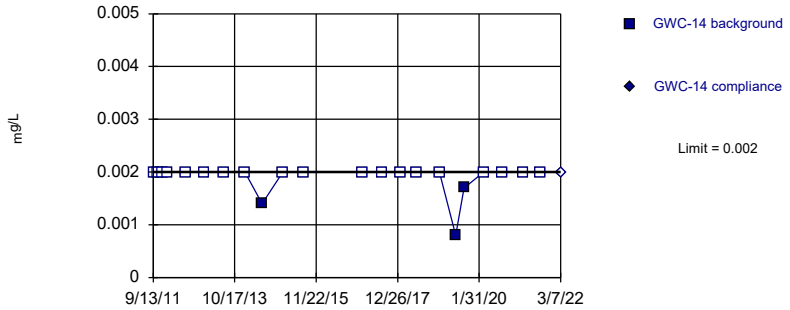
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 86.36% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Copper Analysis Run 5/14/2022 1:00 PM View: PLs - App I

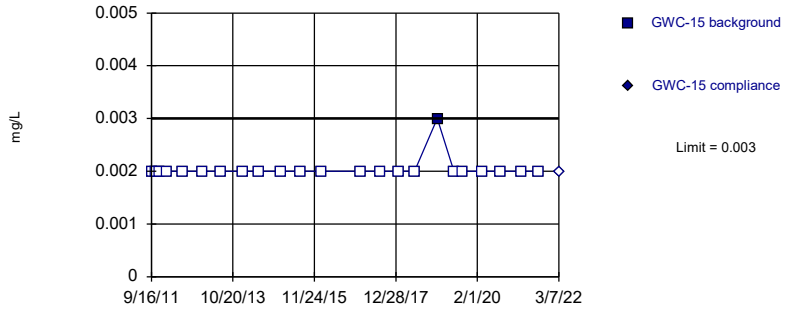
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 5/14/2022 1:00 PM View: PLs - App I

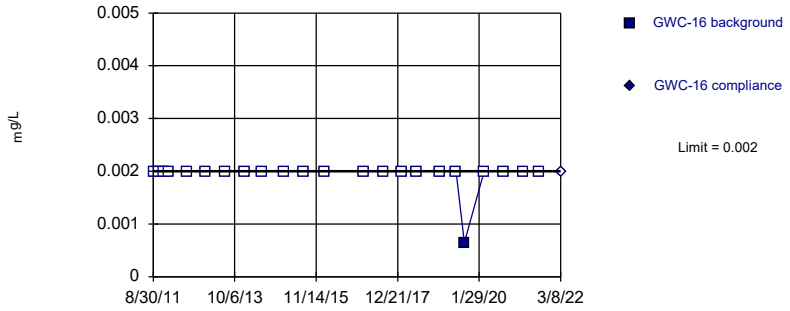
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 5/14/2022 1:00 PM View: PLs - App I

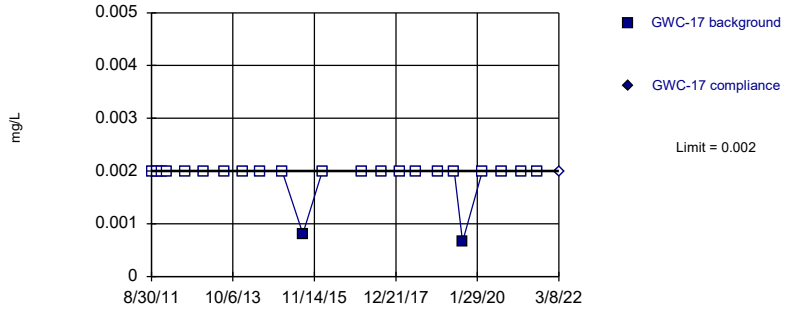
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 5/14/2022 1:00 PM View: PLs - App I

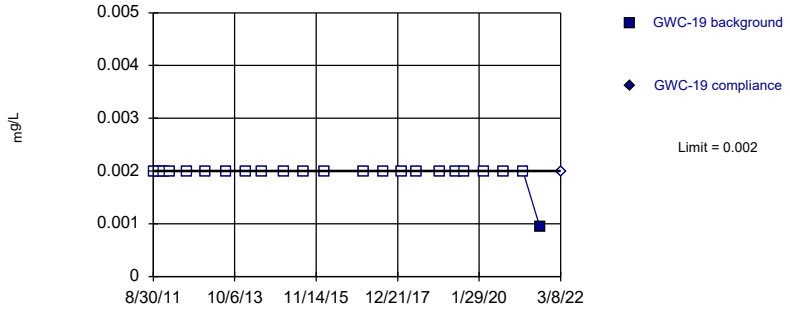
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 5/14/2022 1:00 PM View: PLs - App I

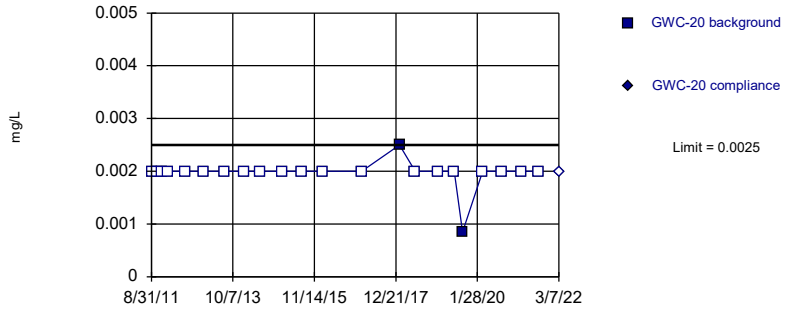
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

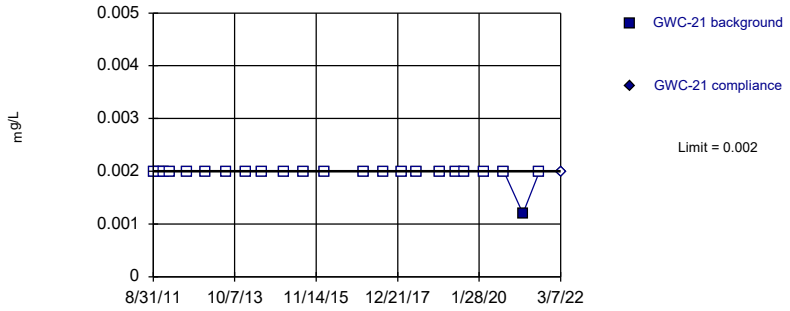
Constituent: Copper Analysis Run 5/14/2022 1:00 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

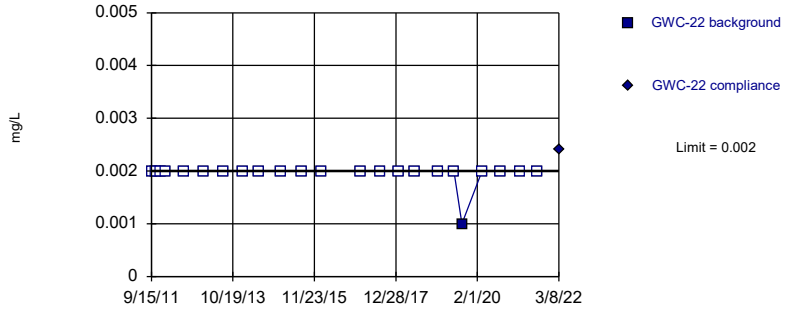
Constituent: Copper Analysis Run 5/14/2022 1:00 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by 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 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

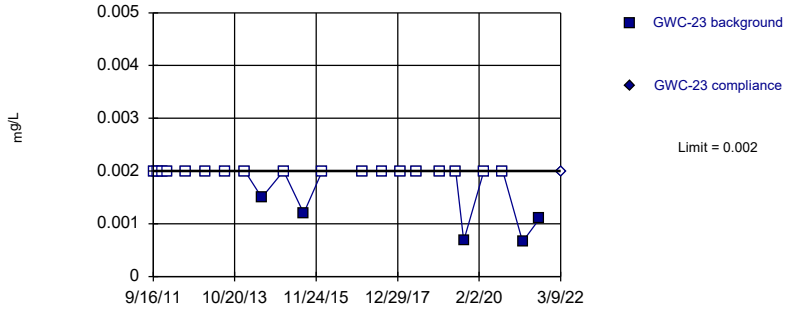
Constituent: Copper Analysis Run 5/14/2022 1:00 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 78.26% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

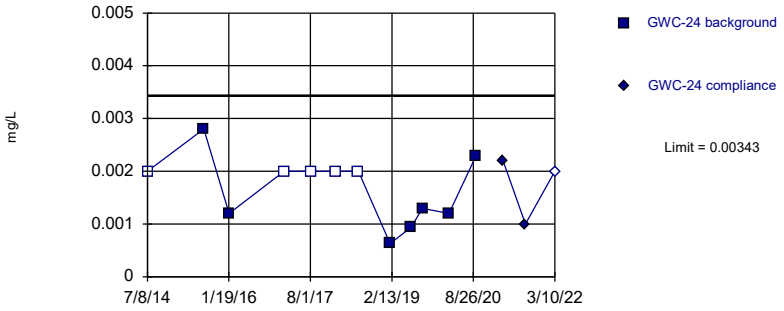
Constituent: Copper Analysis Run 5/14/2022 1:00 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.001234, Std. Dev.=0.0006425, n=12, 41.67% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9264, critical = 0.859. Kappa = 3.418 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

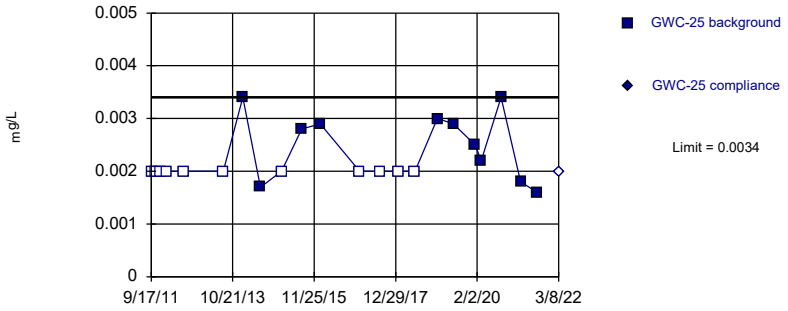
Constituent: Copper Analysis Run 5/14/2022 1:00 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 22 background values. 50% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

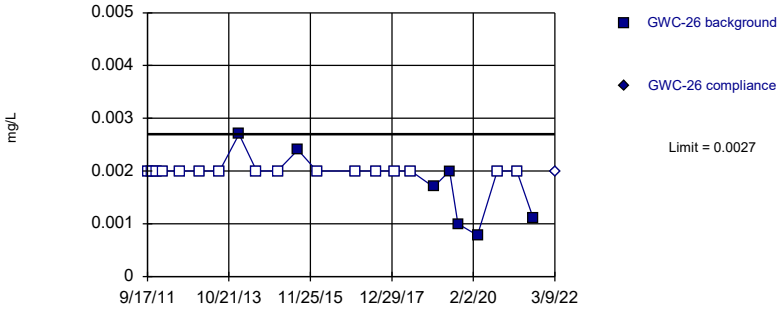
Constituent: Copper Analysis Run 5/14/2022 1:00 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 69.57% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

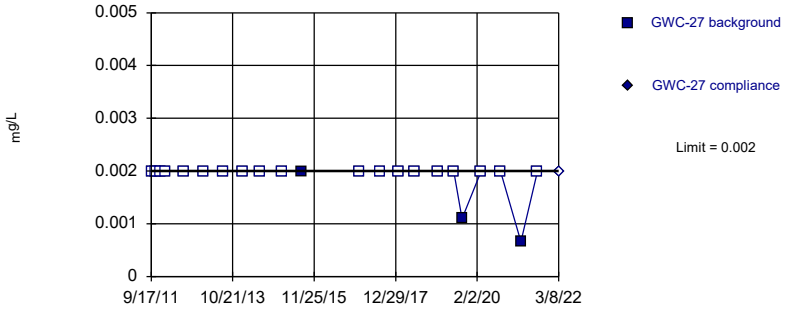
Constituent: Copper Analysis Run 5/14/2022 1:00 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 86.36% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

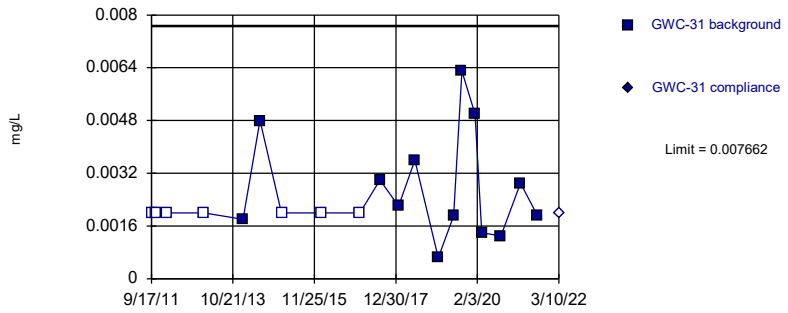
Constituent: Copper Analysis Run 5/14/2022 1:00 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by 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=0.04559, Std. Dev.=0.01462, n=20, 35% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8792, critical = 0.868. Kappa = 2.869 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

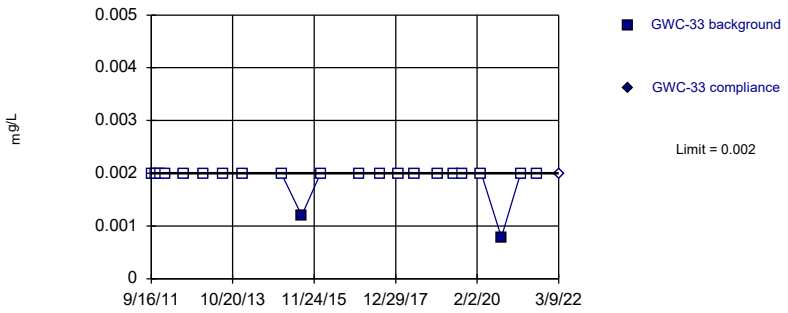
Constituent: Copper Analysis Run 5/14/2022 1:00 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

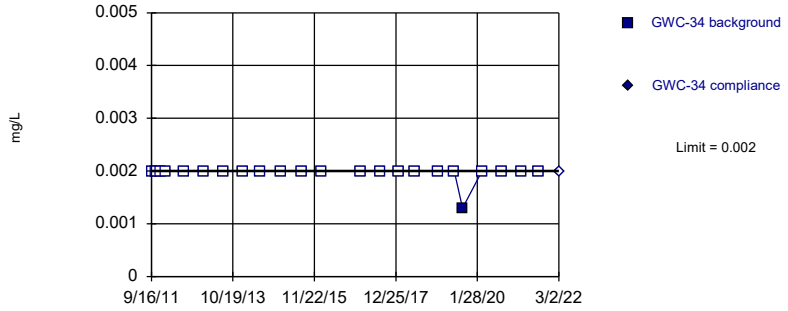
Constituent: Copper Analysis Run 5/14/2022 1:00 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

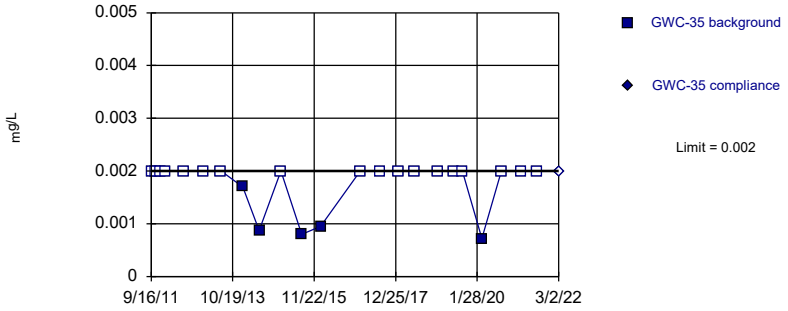
Constituent: Copper Analysis Run 5/14/2022 1:00 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 78.26% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

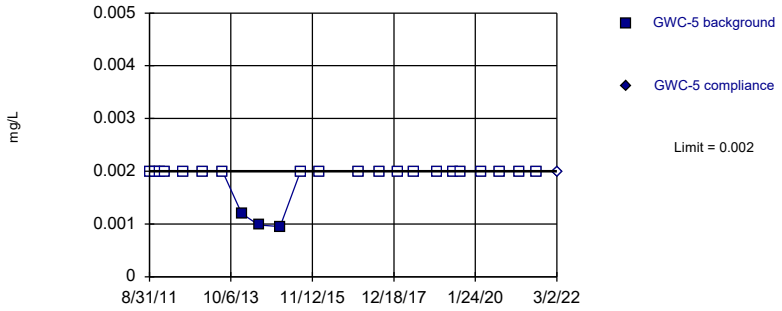
Constituent: Copper Analysis Run 5/14/2022 1:00 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 5/14/2022 1:00 PM View: PLs - App I

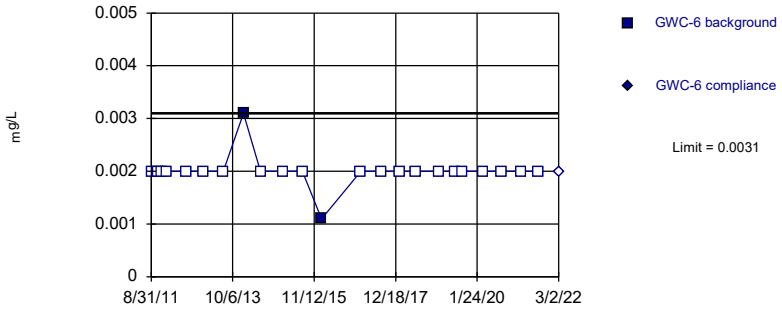
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 5/14/2022 1:00 PM View: PLs - App I

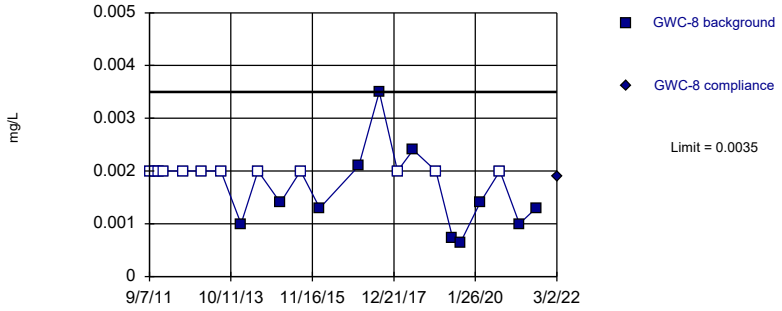
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 52.17% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 5/14/2022 1:00 PM View: PLs - App I

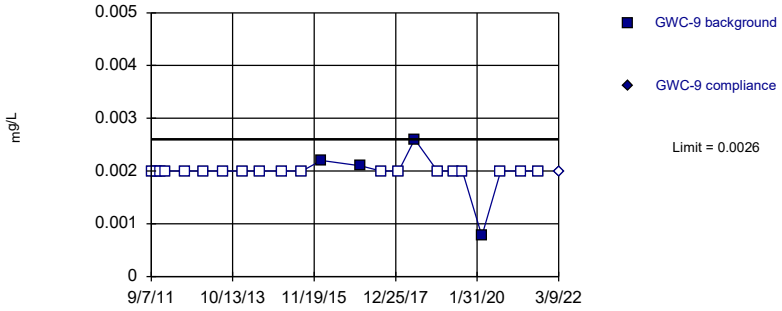
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 82.61% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 5/14/2022 1:00 PM View: PLs - App I

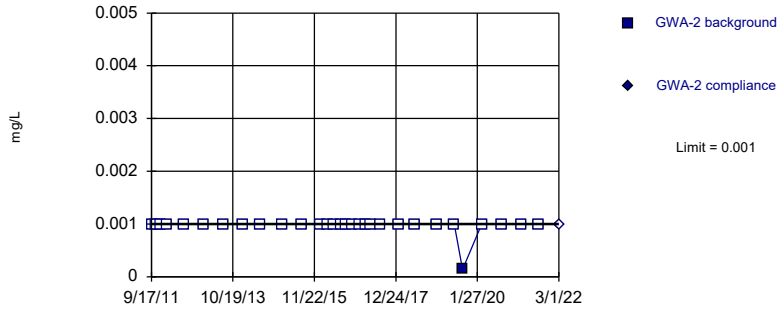
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

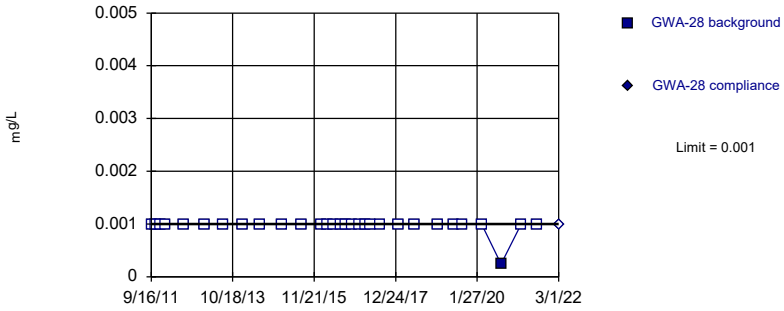
Constituent: Lead Analysis Run 5/14/2022 1:00 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

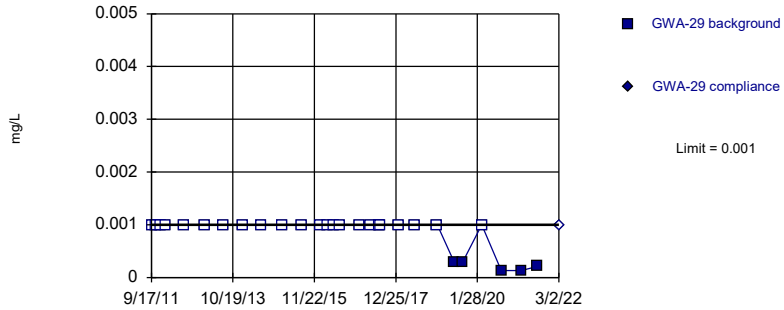
Constituent: Lead Analysis Run 5/14/2022 1:00 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 82.14% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

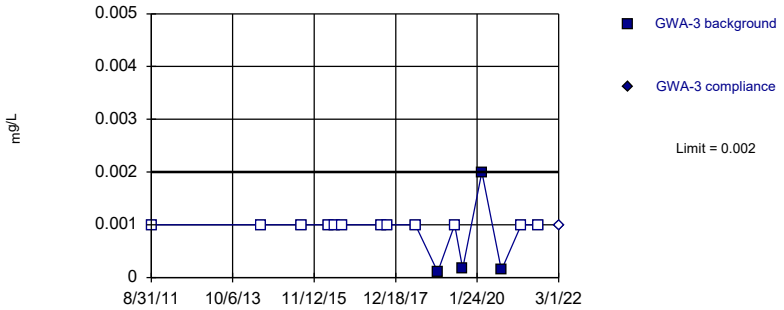
Constituent: Lead Analysis Run 5/14/2022 1:00 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



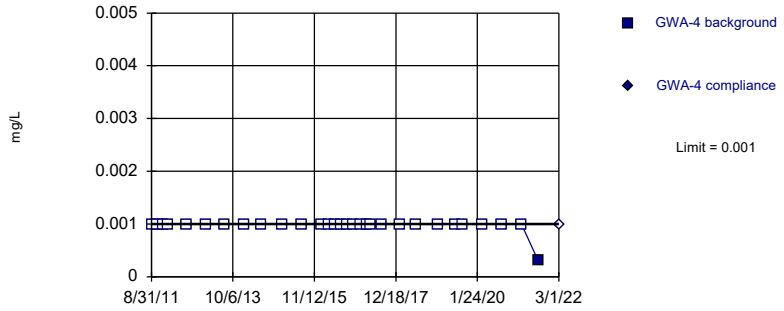
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Lead Analysis Run 5/14/2022 1:00 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



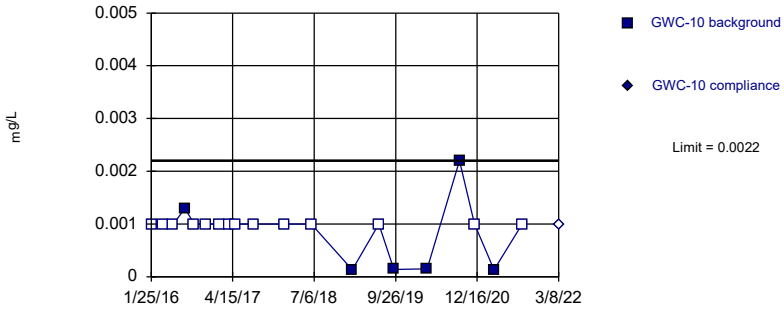
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Lead Analysis Run 5/14/2022 1:00 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



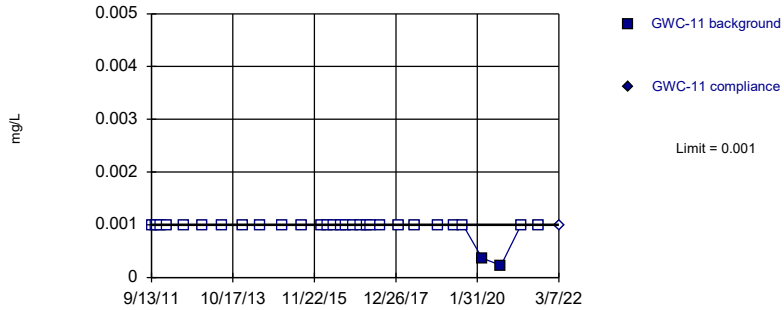
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 5/14/2022 1:00 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



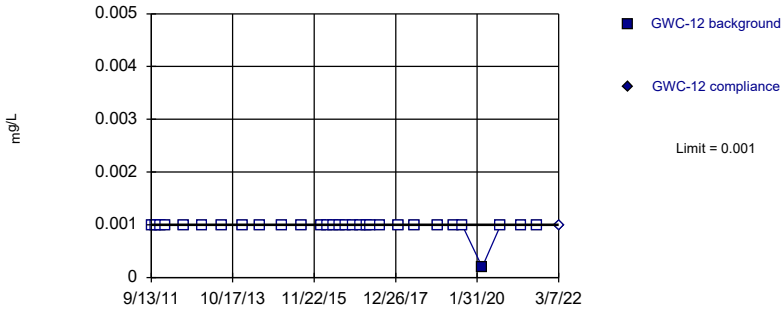
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Lead Analysis Run 5/14/2022 1:00 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

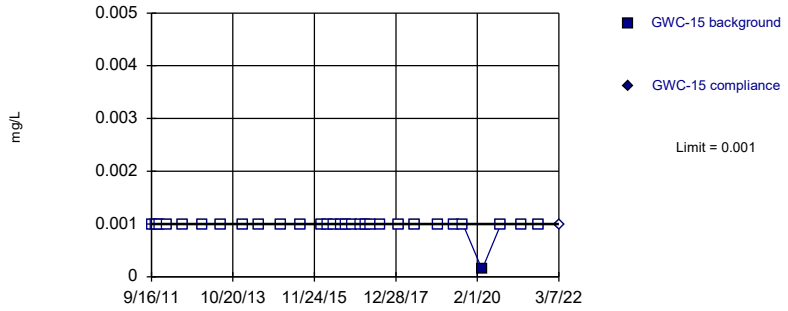
Constituent: Lead Analysis Run 5/14/2022 1:00 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

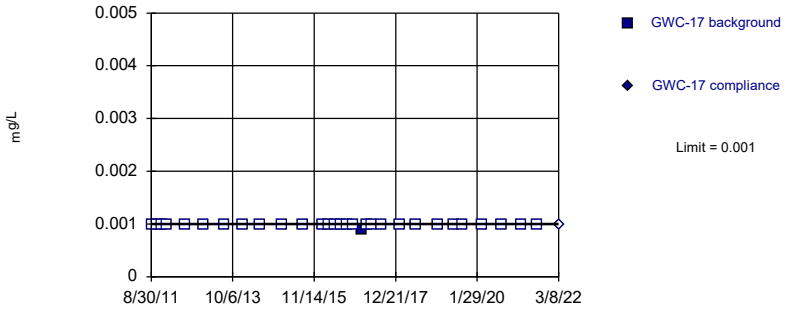
Constituent: Lead Analysis Run 5/14/2022 1:00 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

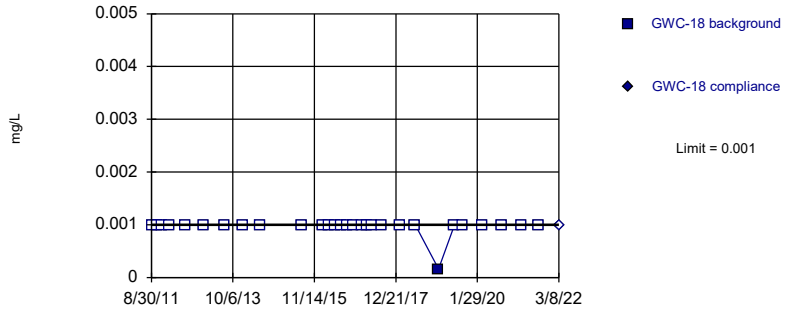
Constituent: Lead Analysis Run 5/14/2022 1:00 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

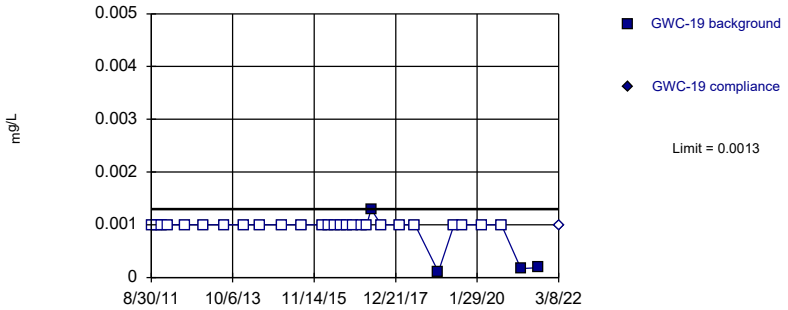
Constituent: Lead Analysis Run 5/14/2022 1:00 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

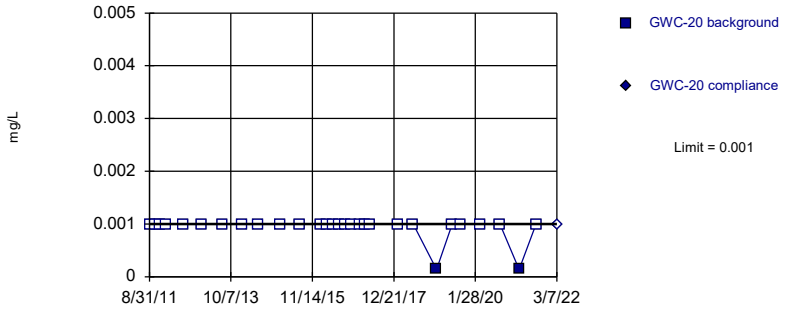
Constituent: Lead Analysis Run 5/14/2022 1:00 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

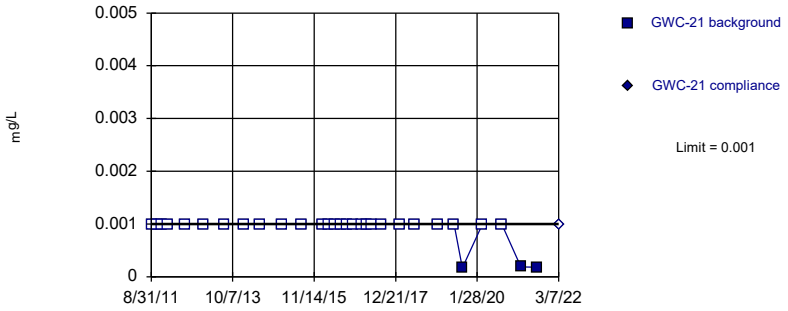
Constituent: Lead Analysis Run 5/14/2022 1:01 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

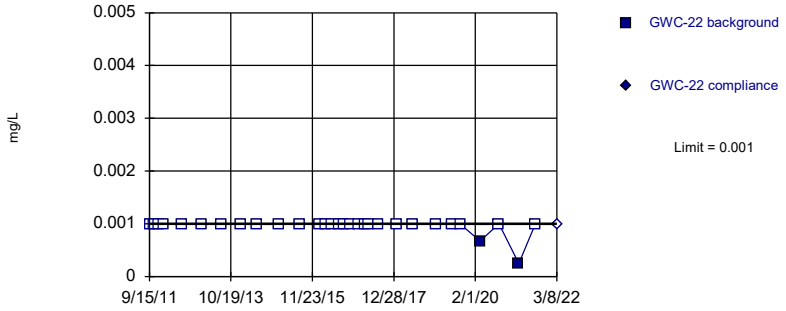
Constituent: Lead Analysis Run 5/14/2022 1:01 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

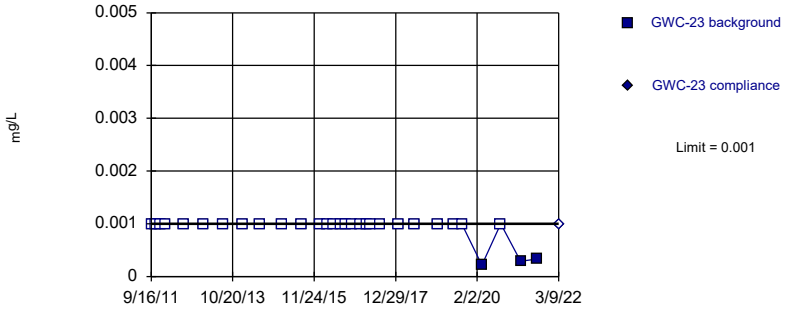
Constituent: Lead Analysis Run 5/14/2022 1:01 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

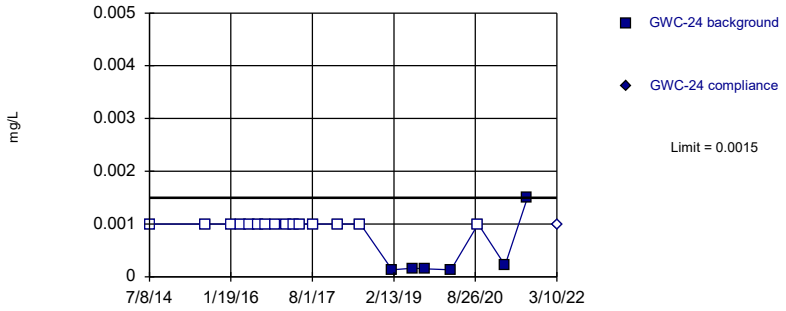
Constituent: Lead Analysis Run 5/14/2022 1:01 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

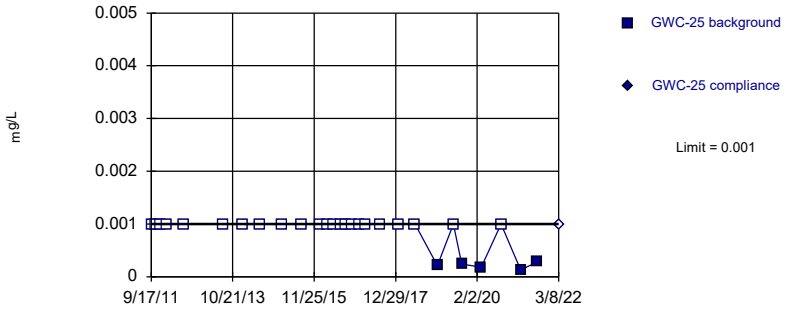
Constituent: Lead Analysis Run 5/14/2022 1:01 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 82.14% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

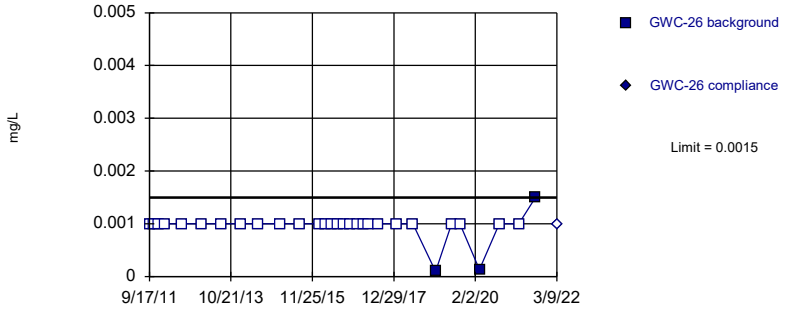
Constituent: Lead Analysis Run 5/14/2022 1:01 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

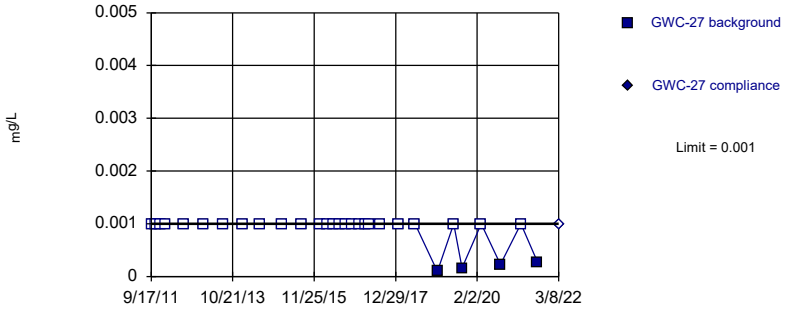
Constituent: Lead Analysis Run 5/14/2022 1:01 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

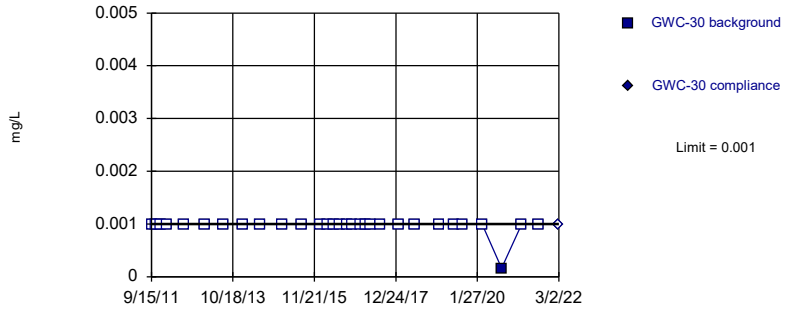
Constituent: Lead Analysis Run 5/14/2022 1:01 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

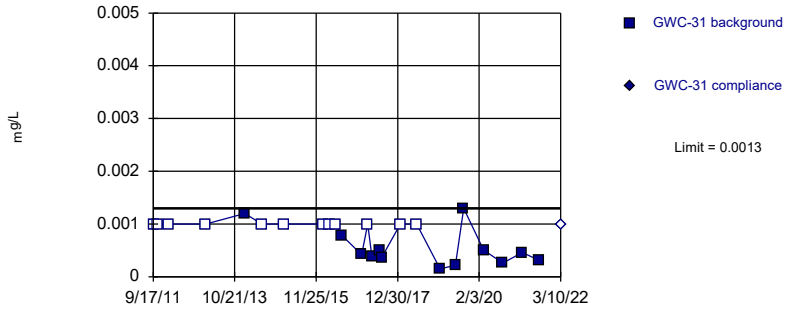
Constituent: Lead Analysis Run 5/14/2022 1:01 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. 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 25 background values. 48% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

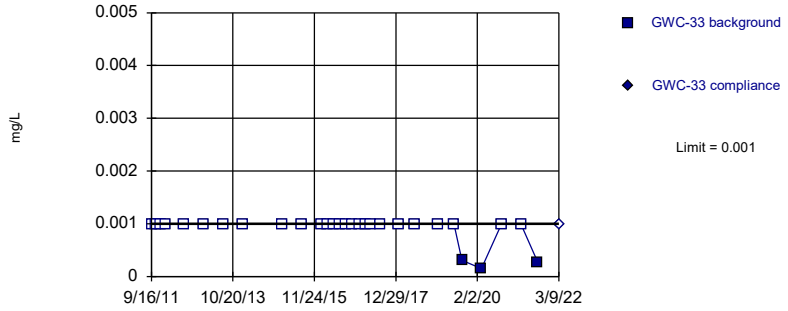
Constituent: Lead Analysis Run 5/14/2022 1:01 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

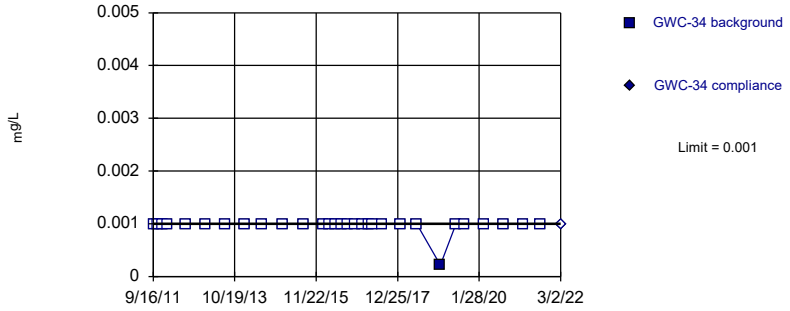
Constituent: Lead Analysis Run 5/14/2022 1:01 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

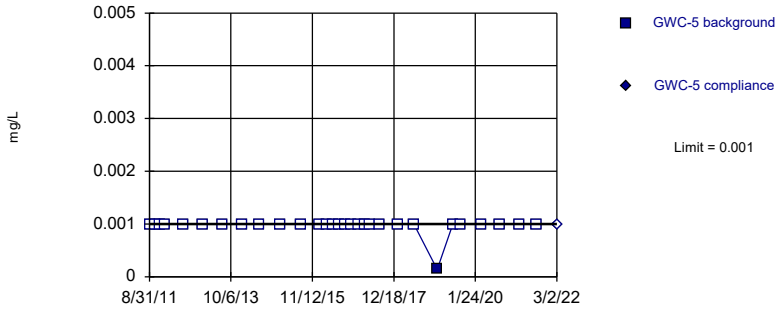
Constituent: Lead Analysis Run 5/14/2022 1:01 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

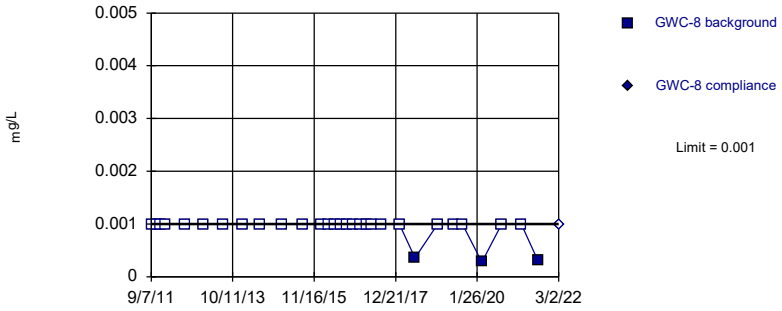
Constituent: Lead Analysis Run 5/14/2022 1:01 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

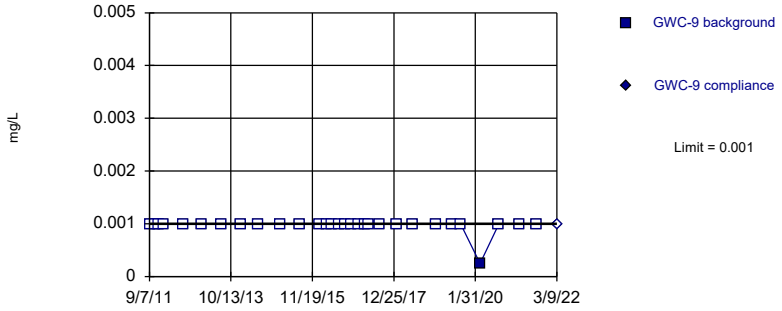
Constituent: Lead Analysis Run 5/14/2022 1:01 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

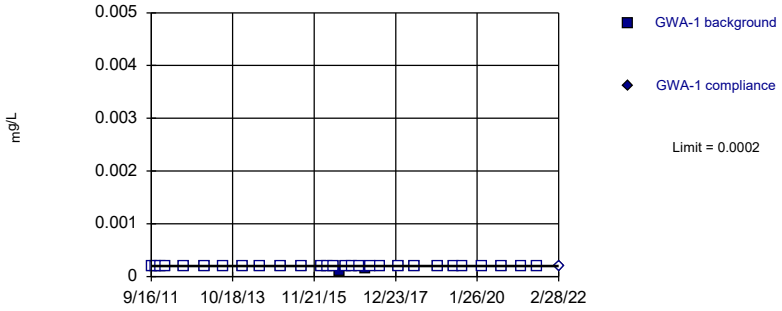
Constituent: Lead Analysis Run 5/14/2022 1:01 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

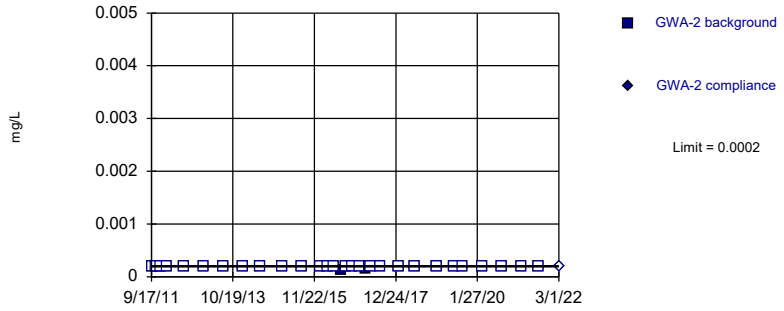
Constituent: Mercury Analysis Run 5/14/2022 1:01 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 5/14/2022 1:01 PM View: PLs - App I

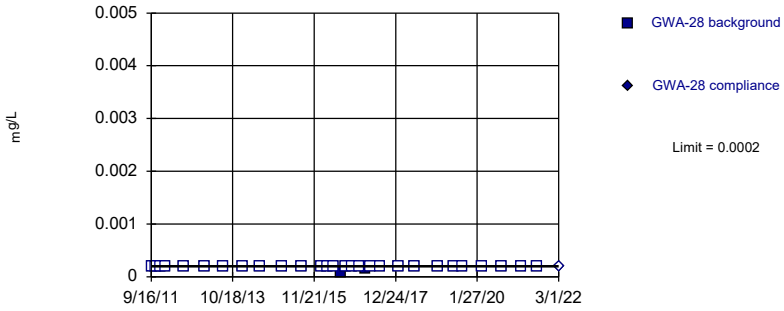
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 5/14/2022 1:01 PM View: PLs - App I

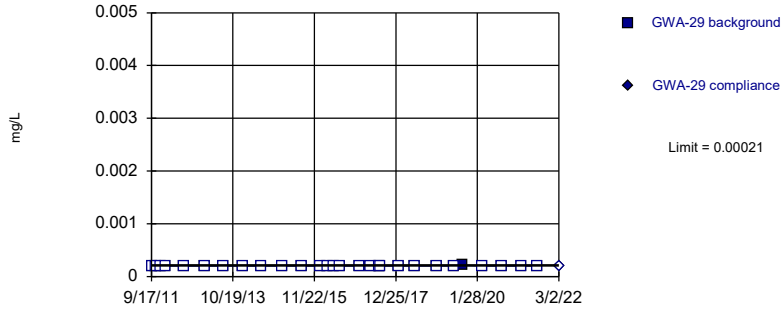
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Mercury Analysis Run 5/14/2022 1:01 PM View: PLs - App I

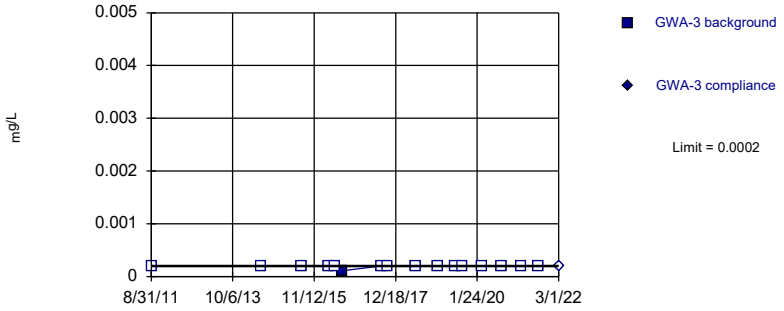
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Mercury Analysis Run 5/14/2022 1:01 PM View: PLs - App I

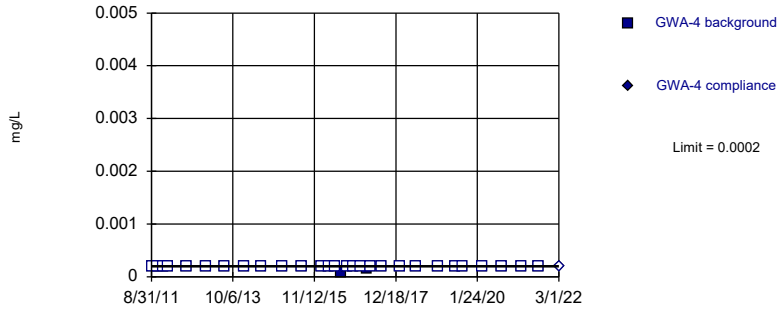
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 5/14/2022 1:01 PM View: PLs - App I

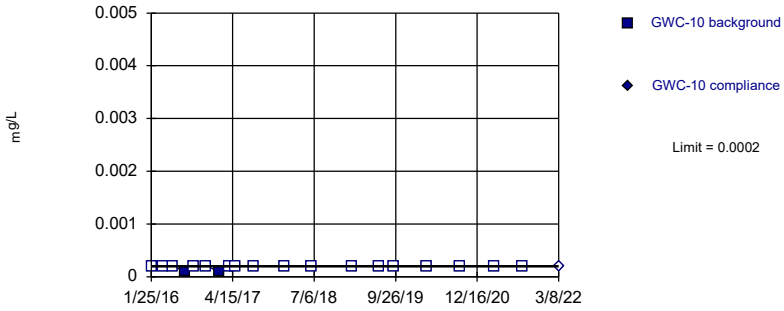
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Mercury Analysis Run 5/14/2022 1:01 PM View: PLs - App I

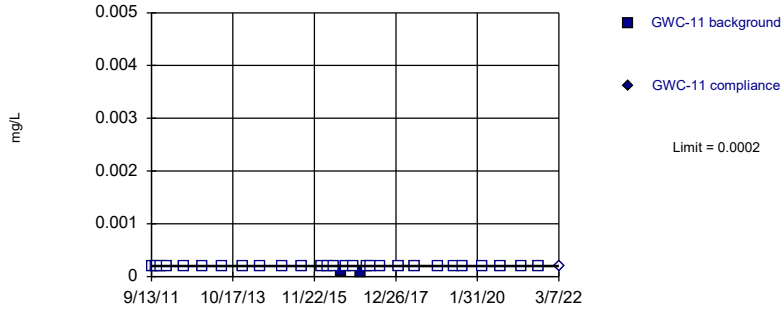
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 5/14/2022 1:01 PM View: PLs - App I

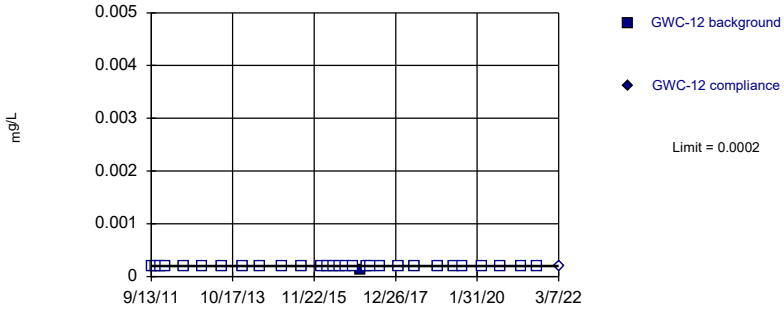
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 5/14/2022 1:01 PM View: PLs - App I

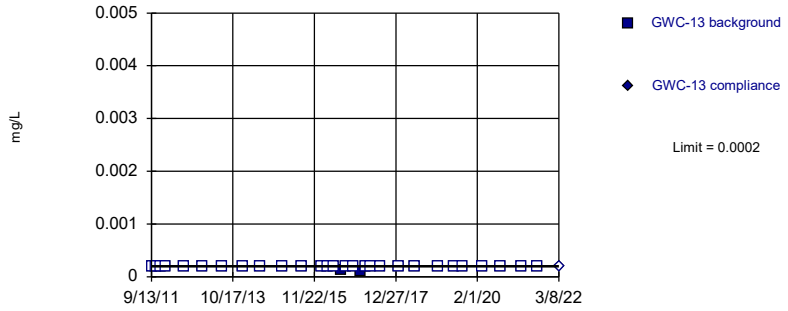
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

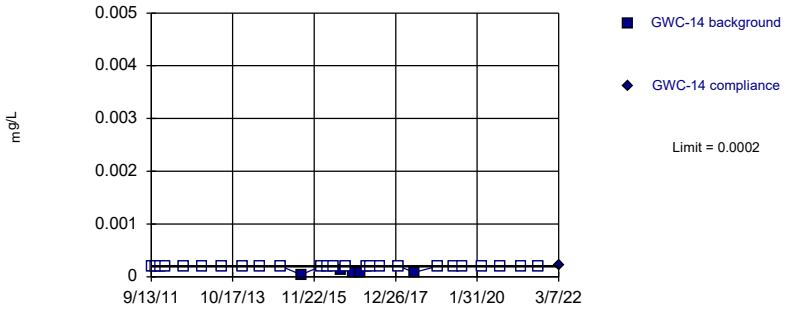
Constituent: Mercury Analysis Run 5/14/2022 1:01 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by 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 30 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

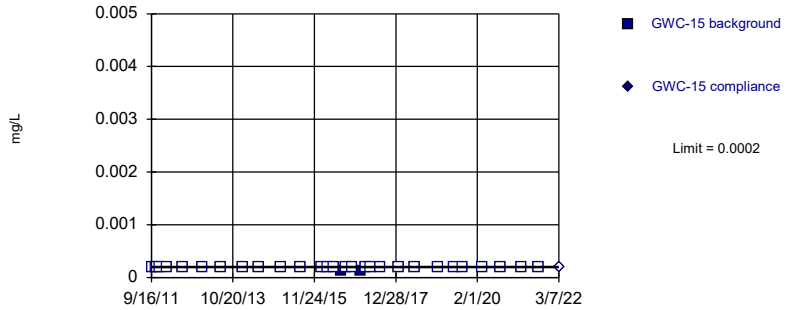
Constituent: Mercury Analysis Run 5/14/2022 1:01 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

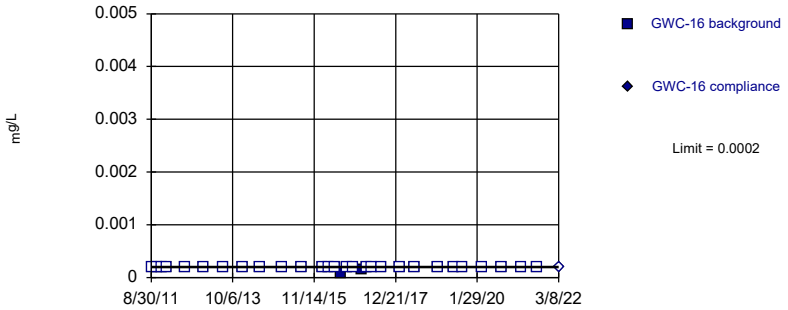
Constituent: Mercury Analysis Run 5/14/2022 1:01 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

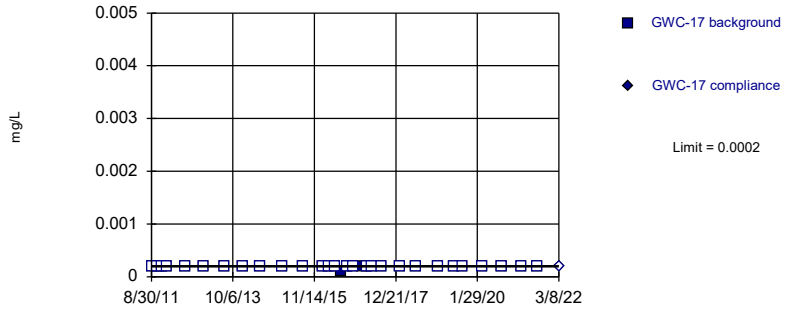
Constituent: Mercury Analysis Run 5/14/2022 1:01 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 5/14/2022 1:01 PM View: PLs - App I

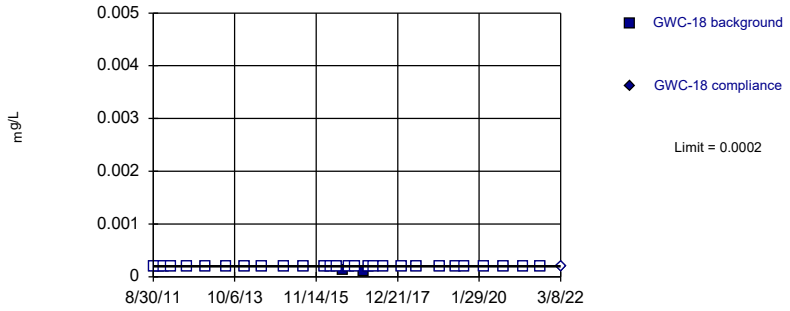
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 5/14/2022 1:01 PM View: PLs - App I

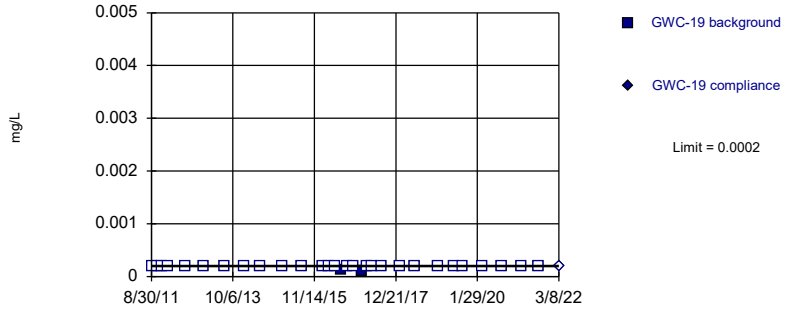
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 5/14/2022 1:01 PM View: PLs - App I

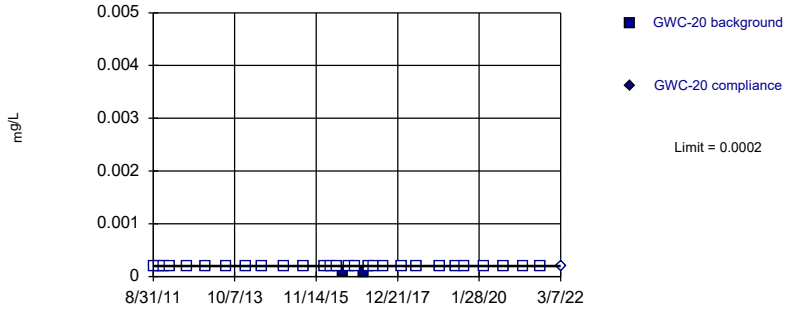
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 5/14/2022 1:01 PM View: PLs - App I

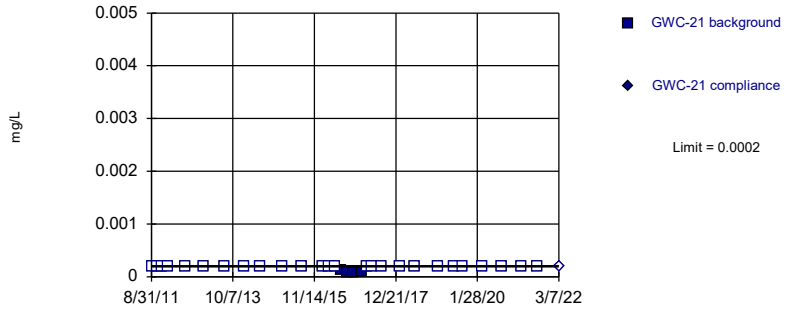
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 5/14/2022 1:01 PM View: PLs - App I

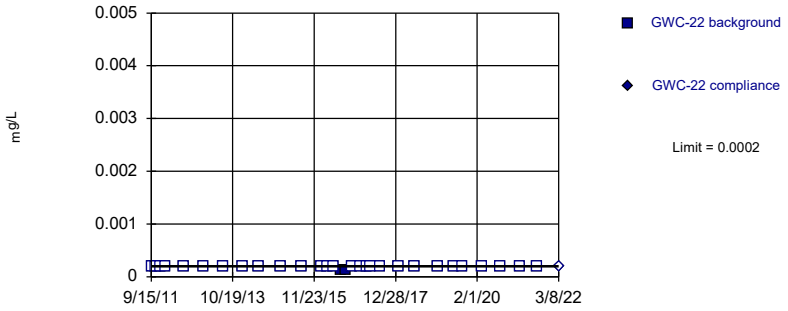
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 5/14/2022 1:01 PM View: PLs - App I

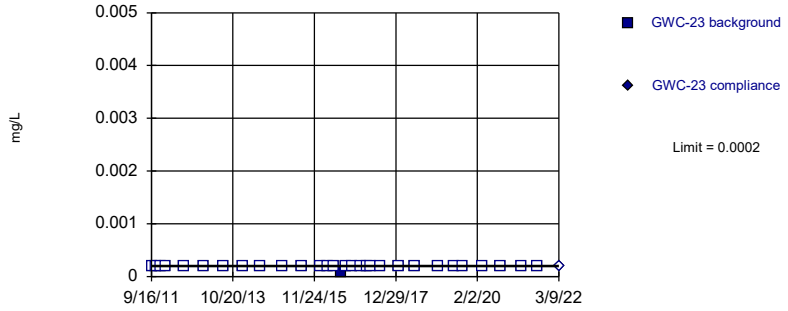
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 5/14/2022 1:01 PM View: PLs - App I

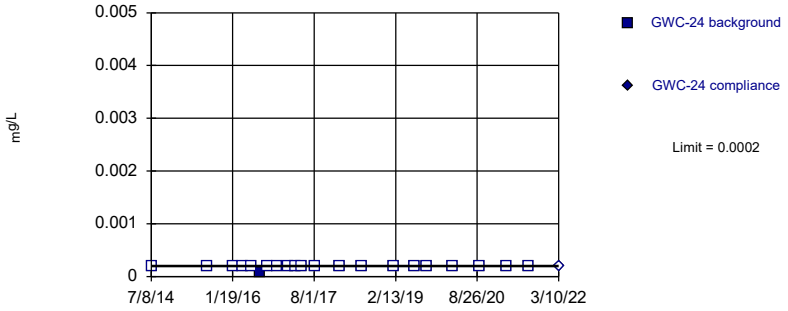
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Mercury Analysis Run 5/14/2022 1:01 PM View: PLs - App I

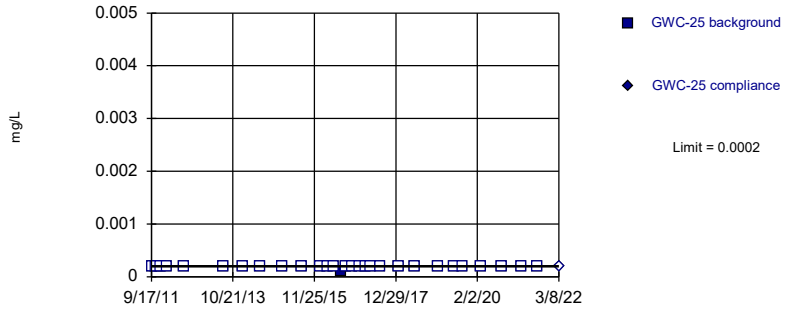
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 5/14/2022 1:01 PM View: PLs - App I

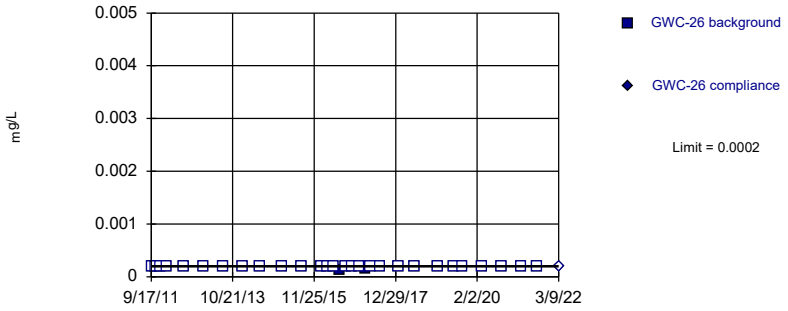
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 5/14/2022 1:01 PM View: PLs - App I

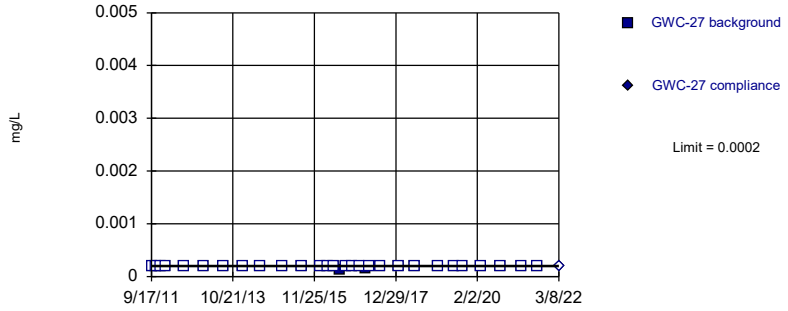
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 5/14/2022 1:01 PM View: PLs - App I

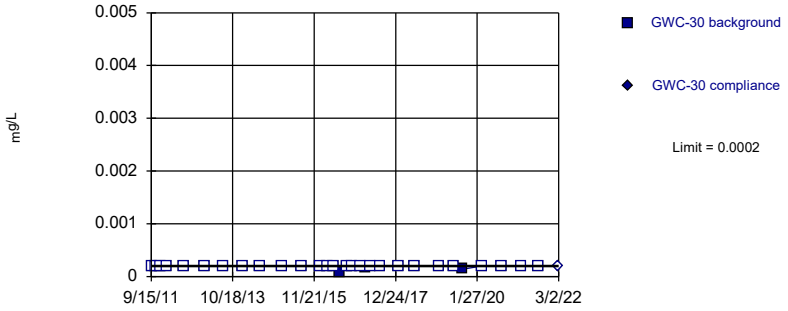
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 5/14/2022 1:01 PM View: PLs - App I

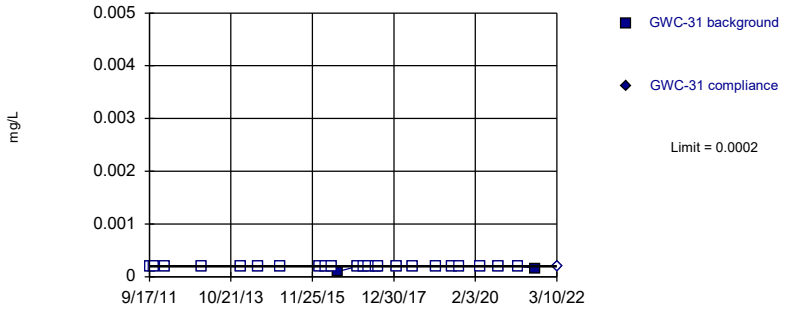
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

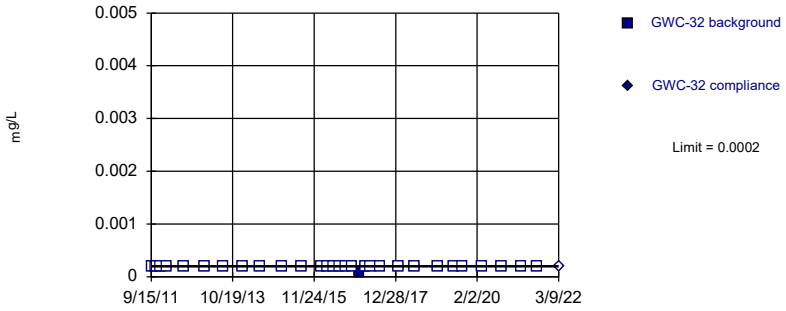
Constituent: Mercury Analysis Run 5/14/2022 1:01 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

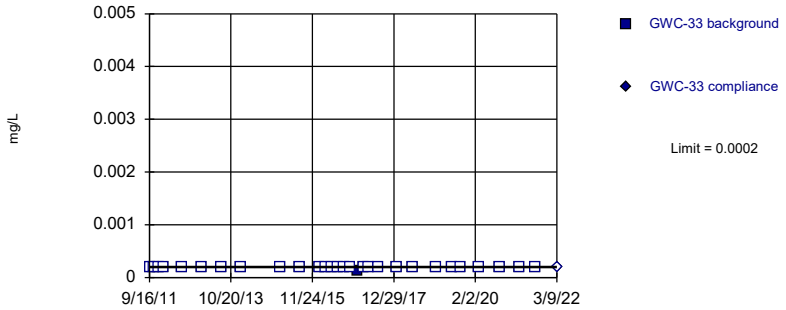
Constituent: Mercury Analysis Run 5/14/2022 1:02 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

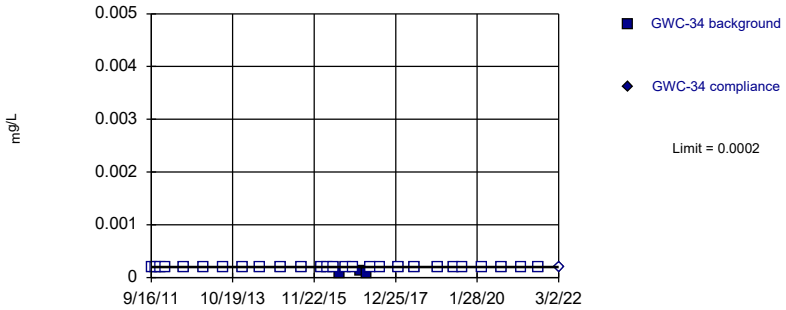
Constituent: Mercury Analysis Run 5/14/2022 1:02 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

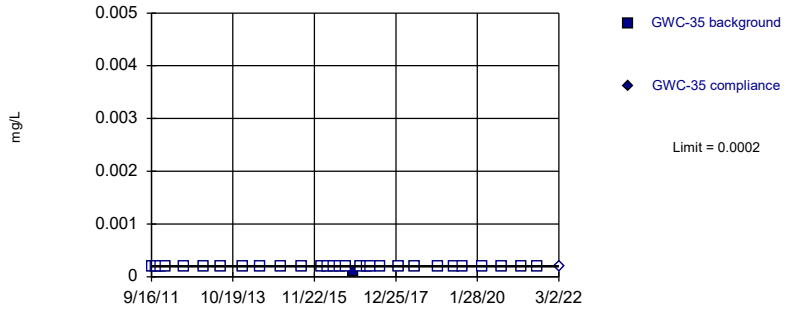
Constituent: Mercury Analysis Run 5/14/2022 1:02 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 5/14/2022 1:02 PM View: PLs - App I

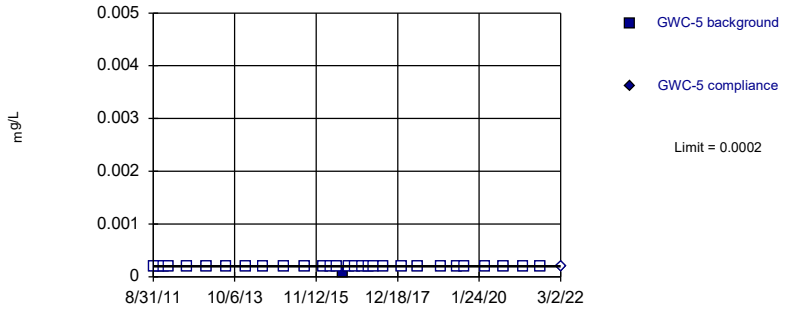
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 5/14/2022 1:02 PM View: PLs - App I

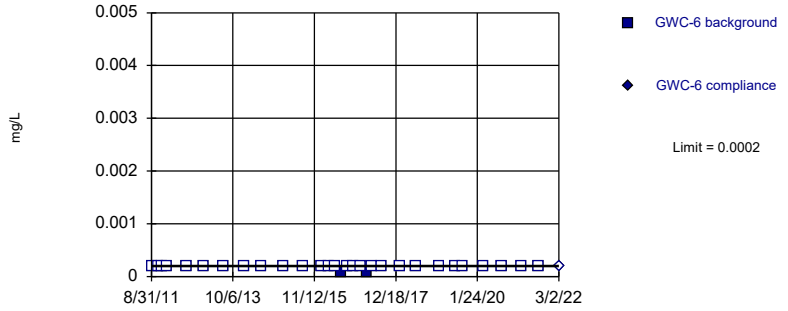
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 5/14/2022 1:02 PM View: PLs - App I

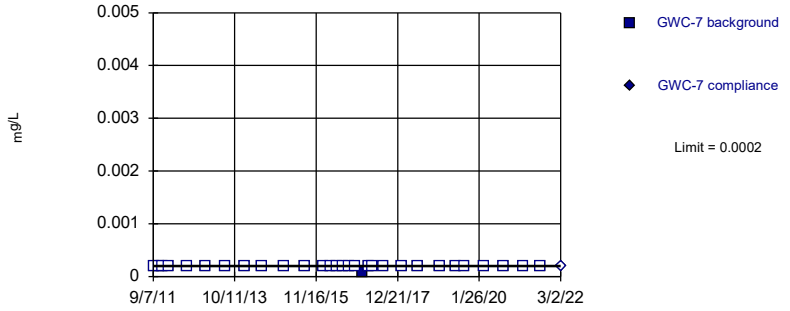
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

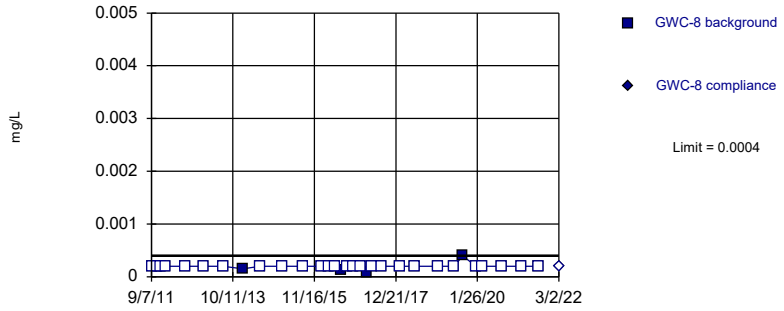
Constituent: Mercury Analysis Run 5/14/2022 1:02 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



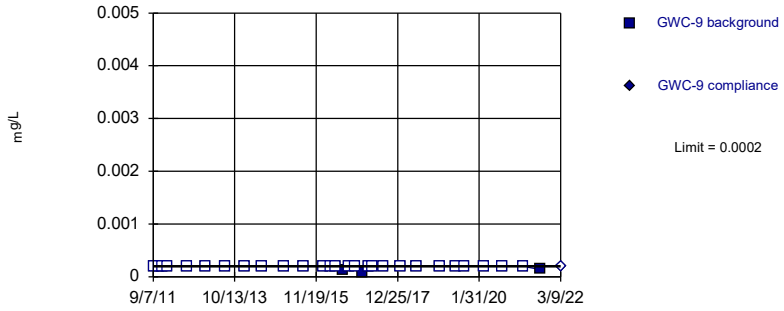
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 87.1% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Mercury Analysis Run 5/14/2022 1:02 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



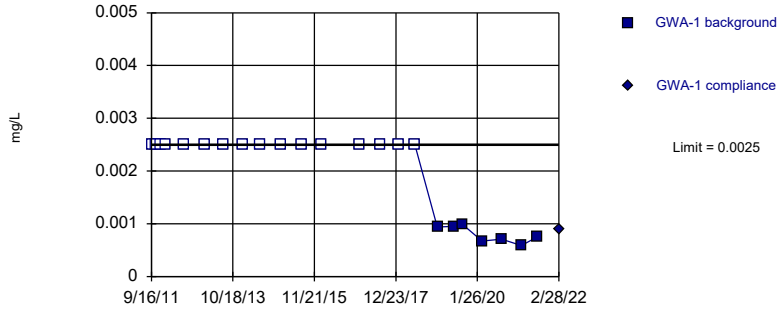
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 90% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 5/14/2022 1:02 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



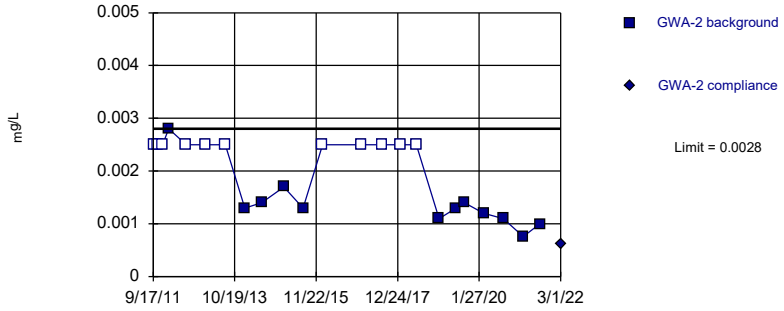
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 69.57% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 5/14/2022 1:02 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 23 background values. 47.83% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

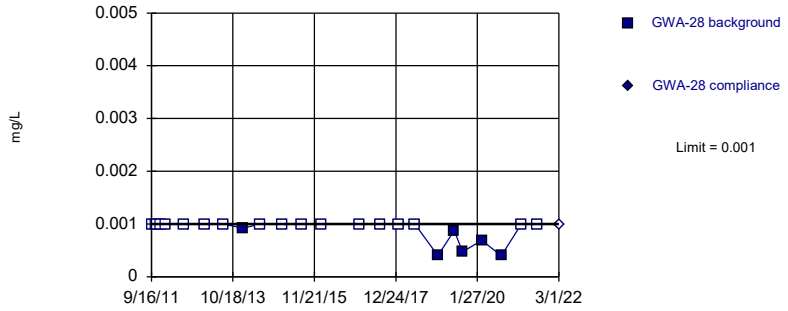
Constituent: Nickel Analysis Run 5/14/2022 1:02 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 73.91% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

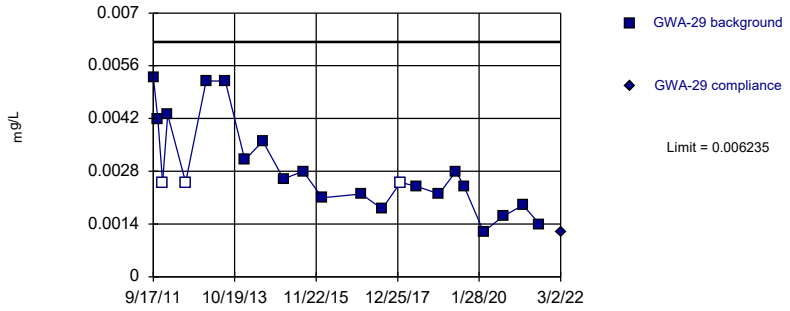
Constituent: Nickel Analysis Run 5/14/2022 1:02 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.002861, Std. Dev.=0.00121, n=23, 13.04% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8853, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

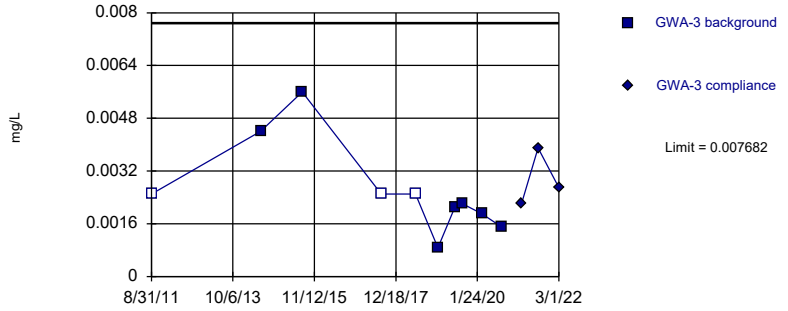
Constituent: Nickel Analysis Run 5/14/2022 1:02 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.002371, Std. Dev.=0.00141, n=10, 30% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8569, critical = 0.842. Kappa = 3.766 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

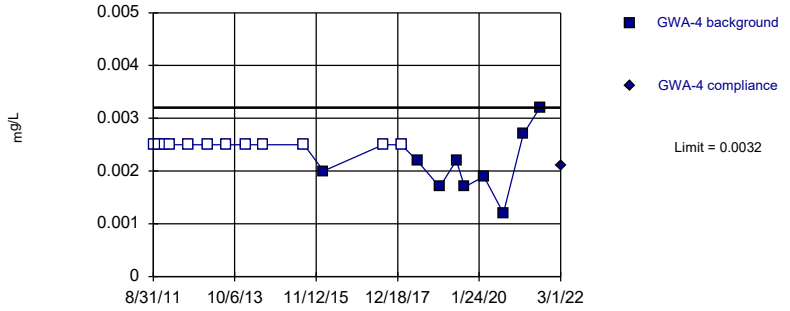
Constituent: Nickel Analysis Run 5/14/2022 1:02 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 57.14% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

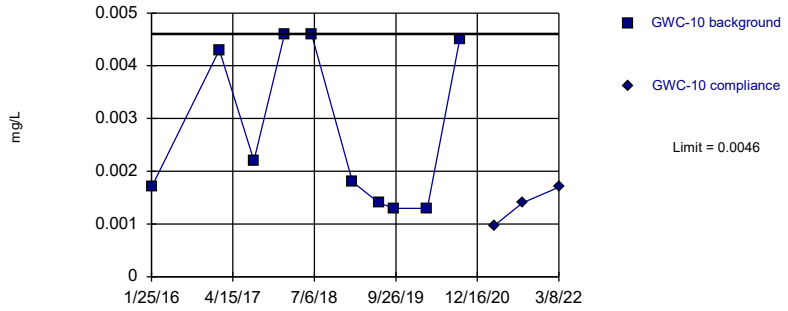
Constituent: Nickel Analysis Run 5/14/2022 1:02 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by 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 0.05 alpha level. Limit is highest of 10 background values. Well-constituent pair annual alpha = 0.0293. Individual comparison alpha = 0.01476 (1 of 2).

Constituent: Nickel Analysis Run 5/14/2022 1:02 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

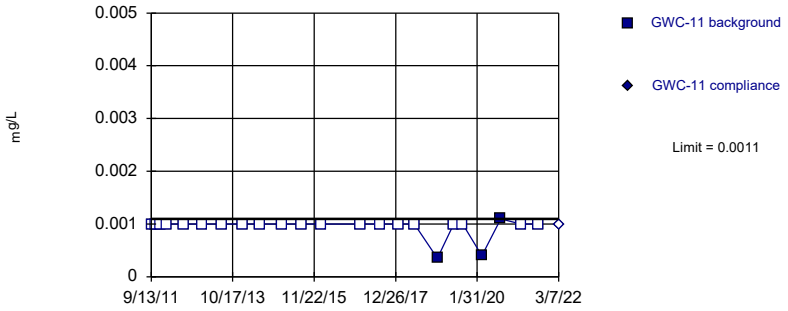
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 5/14/2022 1:02 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

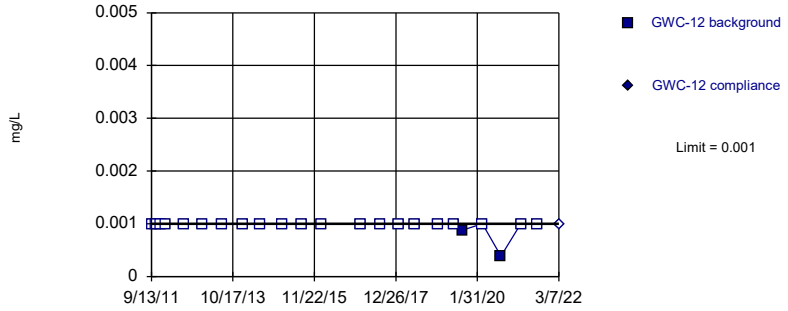
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 5/14/2022 1:02 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

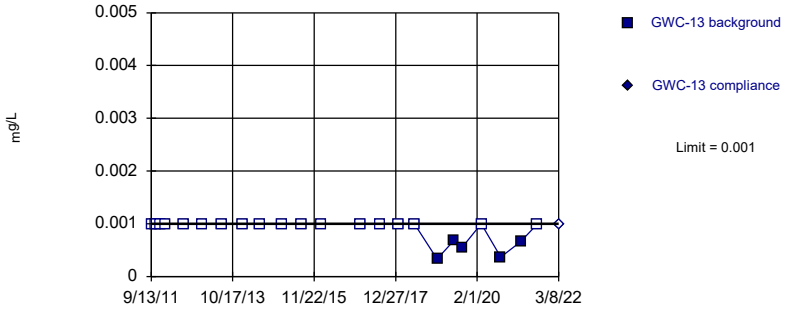
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 78.26% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 5/14/2022 1:02 PM View: PLs - App I

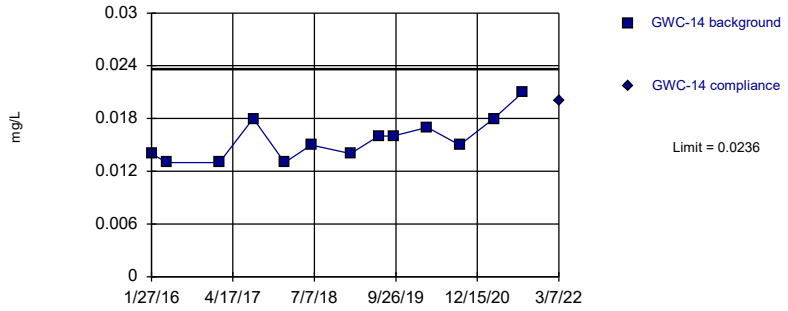
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.01562, Std. Dev.=0.002399, n=13. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.913, critical = 0.866. Kappa = 3.328 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Nickel Analysis Run 5/14/2022 1:02 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

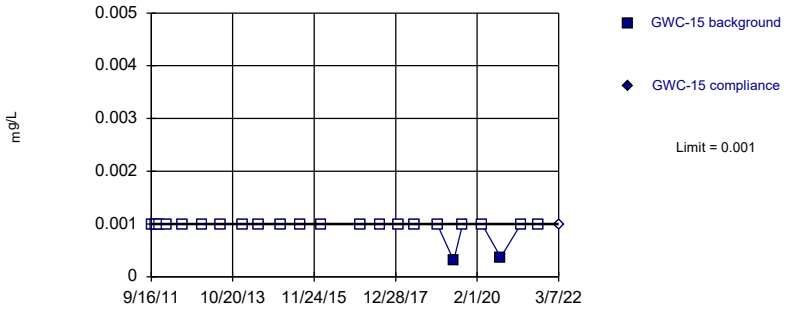
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 5/14/2022 1:02 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

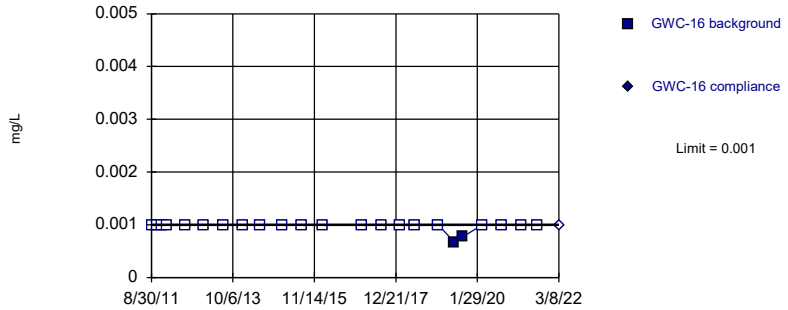
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 5/14/2022 1:02 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

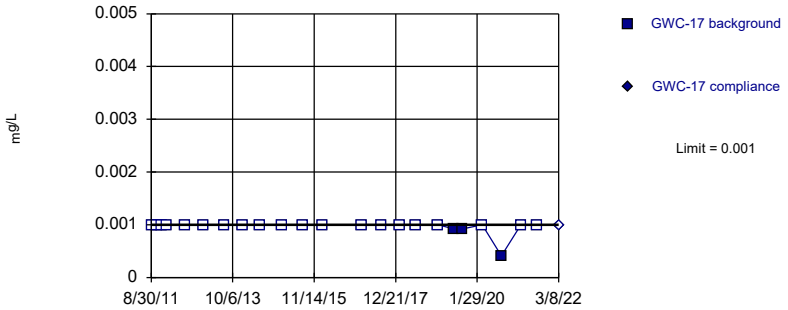
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

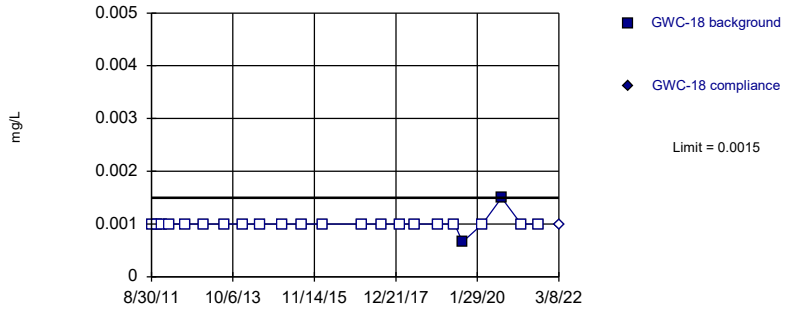
Constituent: Nickel Analysis Run 5/14/2022 1:02 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



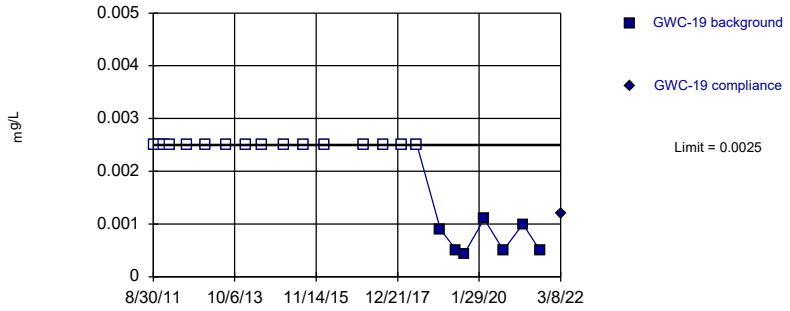
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 5/14/2022 1:02 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



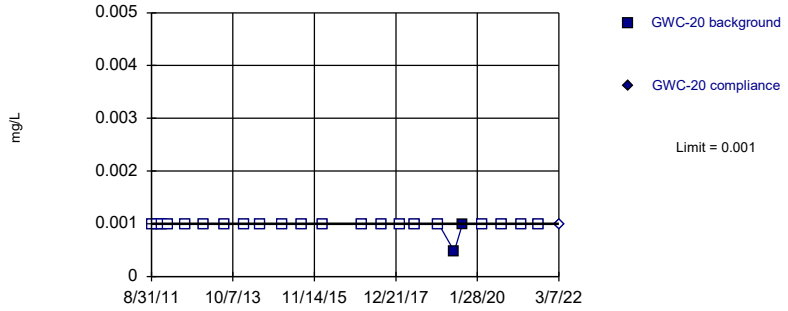
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 69.57% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 5/14/2022 1:02 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



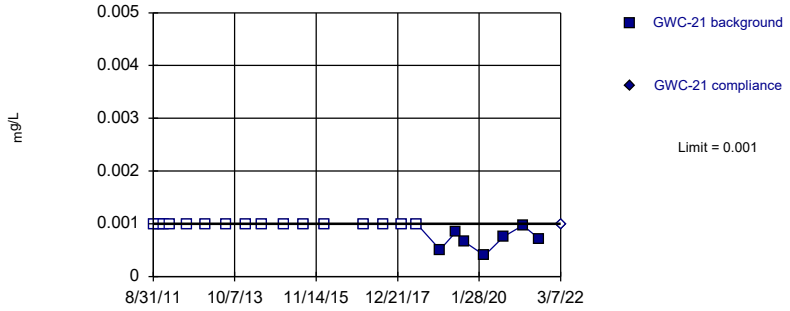
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 5/14/2022 1:02 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 69.57% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

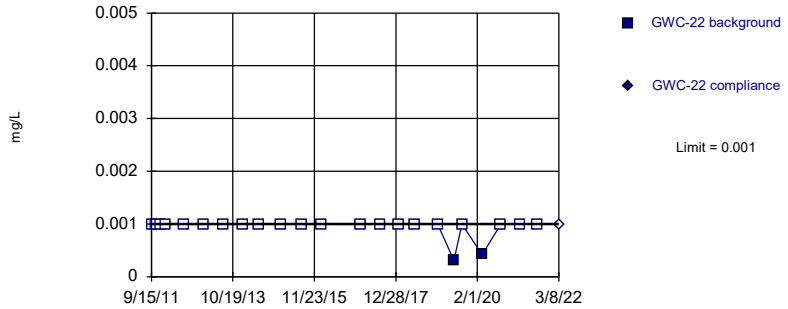
Constituent: Nickel Analysis Run 5/14/2022 1:02 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

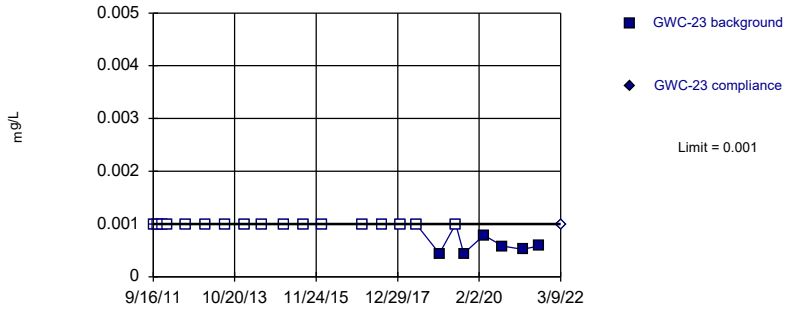
Constituent: Nickel Analysis Run 5/14/2022 1:02 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 73.91% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

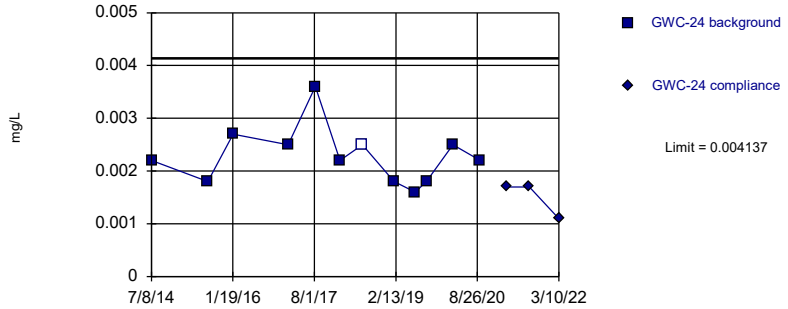
Constituent: Nickel Analysis Run 5/14/2022 1:02 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.002283, Std. Dev.=0.0005424, n=12, 8.333% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.89, critical = 0.859. Kappa = 3.418 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

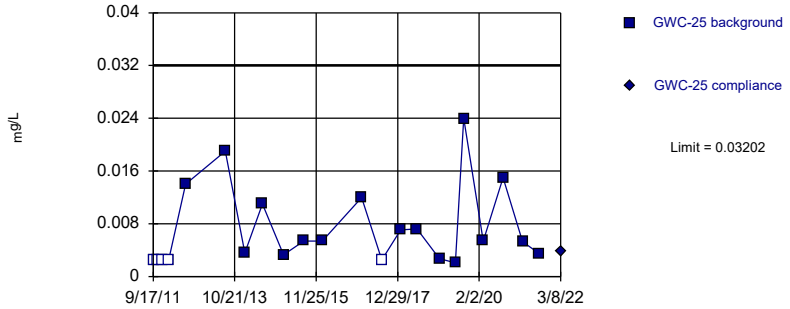
Constituent: Nickel Analysis Run 5/14/2022 1:02 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by 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=0.1759, Std. Dev.=0.05031, n=22, 22.73% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8816, critical = 0.878. Kappa = 2.815 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

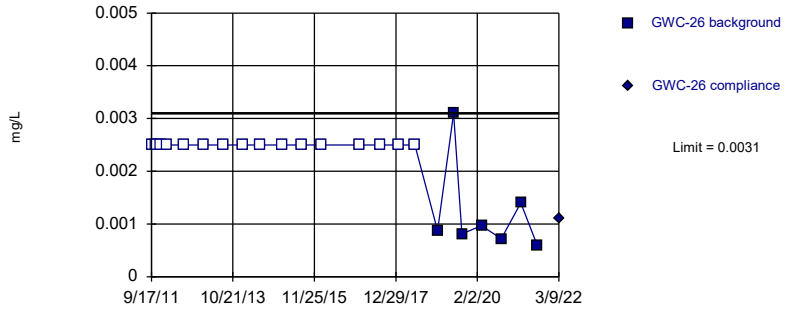
Constituent: Nickel Analysis Run 5/14/2022 1:02 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 69.57% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

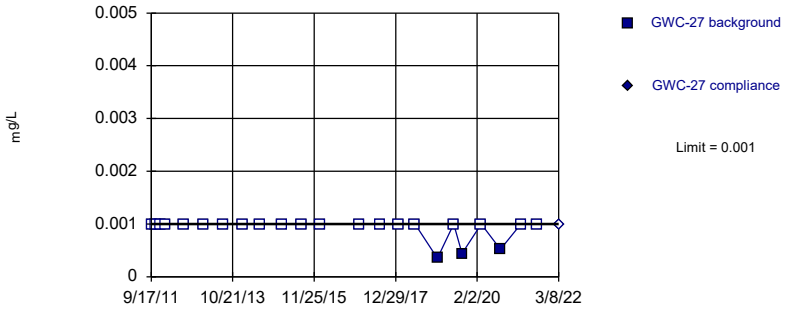
Constituent: Nickel Analysis Run 5/14/2022 1:02 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

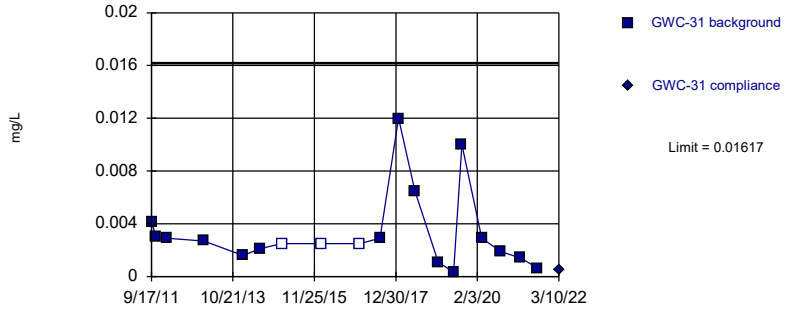
Constituent: Nickel Analysis Run 5/14/2022 1:02 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by 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=0.1311, Std. Dev.=0.04175, n=19, 15.79% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9225, critical = 0.901. Kappa = 2.916 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

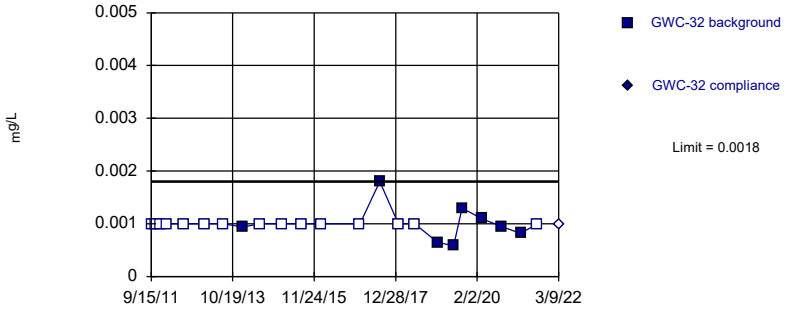
Constituent: Nickel Analysis Run 5/14/2022 1:02 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 65.22% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

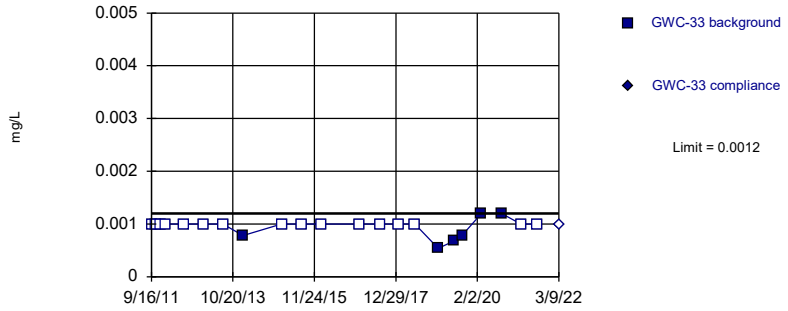
Constituent: Nickel Analysis Run 5/14/2022 1:02 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

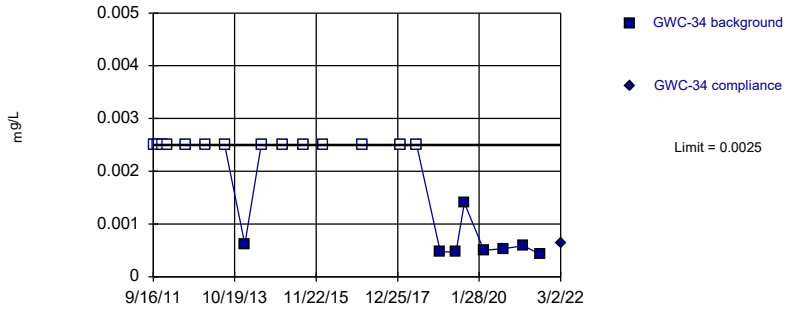
Constituent: Nickel Analysis Run 5/14/2022 1:02 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

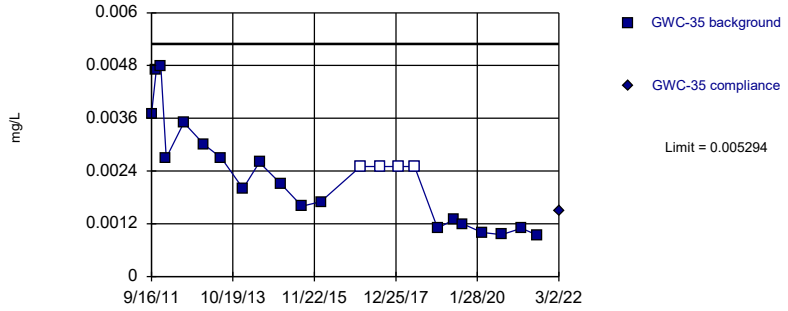
Constituent: Nickel Analysis Run 5/14/2022 1:02 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.00203, Std. Dev.=0.001171, n=23, 17.39% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9113, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

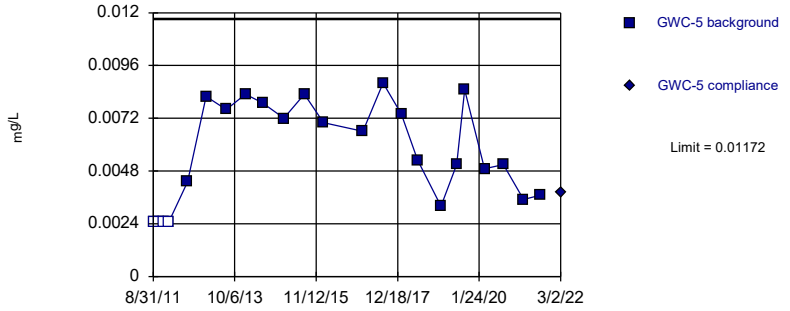
Constituent: Nickel Analysis Run 5/14/2022 1:02 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.00547, Std. Dev.=0.002242, n=23, 17.39% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8952, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

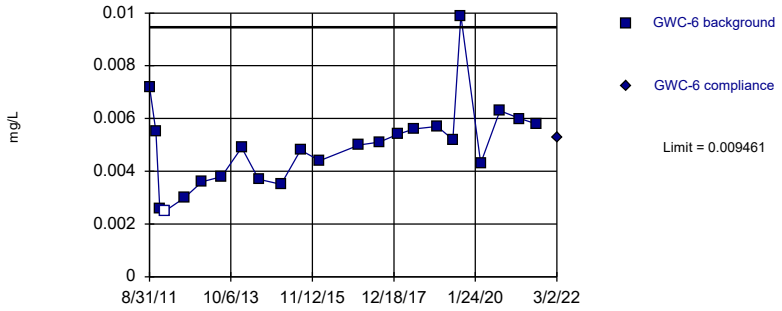
Constituent: Nickel Analysis Run 5/14/2022 1:02 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.004948, Std. Dev.=0.001619, n=23, 4.348% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9215, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

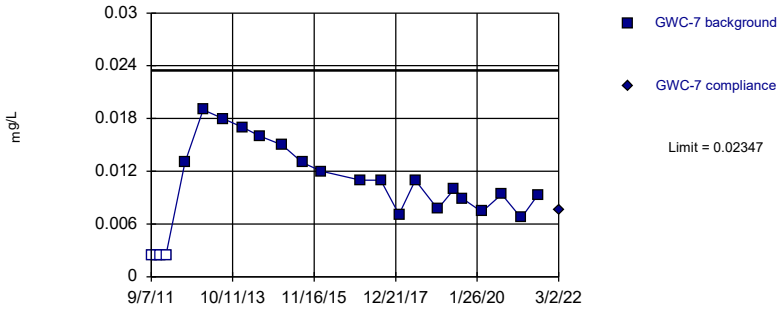
Constituent: Nickel Analysis Run 5/14/2022 1:02 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.009446, Std. Dev.=0.005033, n=23, 17.39% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9523, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

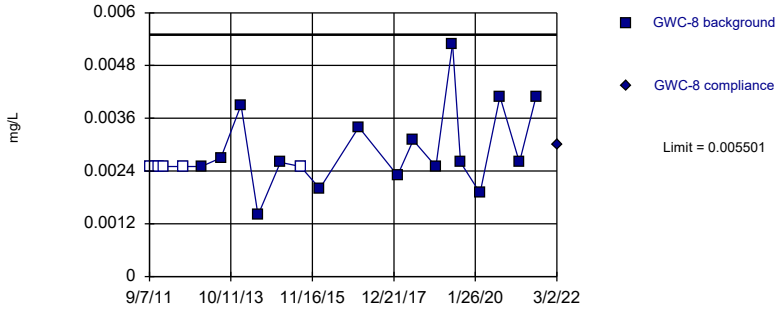
Constituent: Nickel Analysis Run 5/14/2022 1:03 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by 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=0.04904, Std. Dev.=0.008927, n=22, 27.27% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8833, critical = 0.878. Kappa = 2.815 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

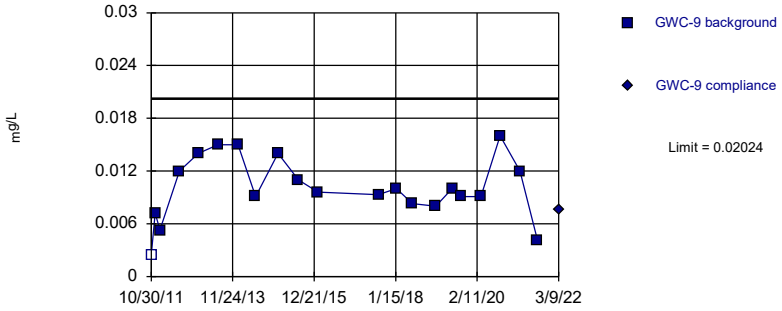
Constituent: Nickel Analysis Run 5/14/2022 1:03 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.01003, Std. Dev.=0.003591, n=21, 4.762% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9649, critical = 0.873. Kappa = 2.842 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

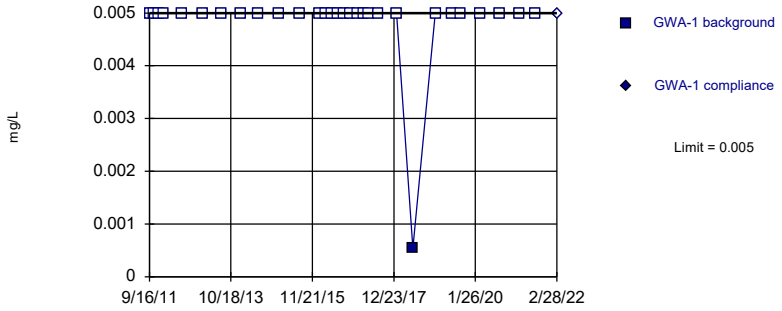
Constituent: Nickel Analysis Run 5/14/2022 1:03 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 5/14/2022 1:03 PM View: PLs - App I

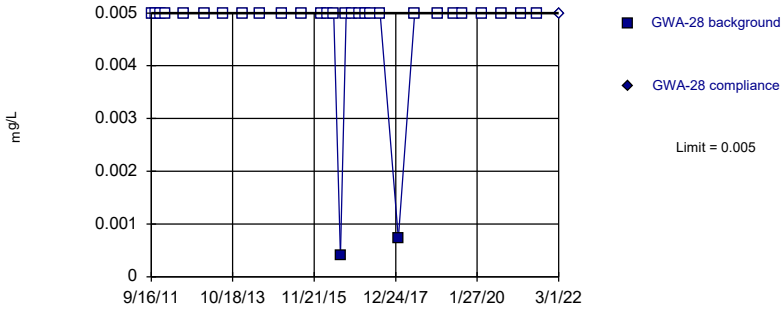
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 5/14/2022 1:03 PM View: PLs - App I

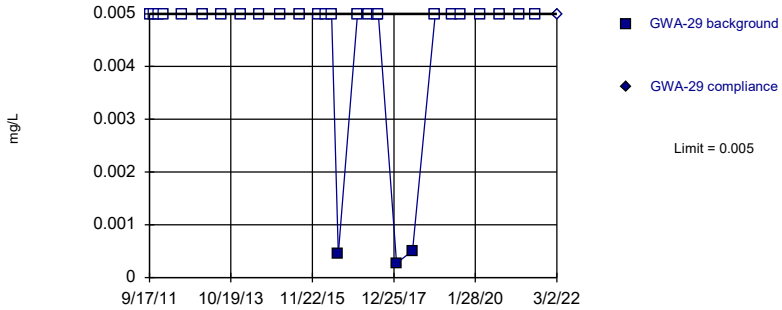
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 89.29% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Selenium Analysis Run 5/14/2022 1:03 PM View: PLs - App I

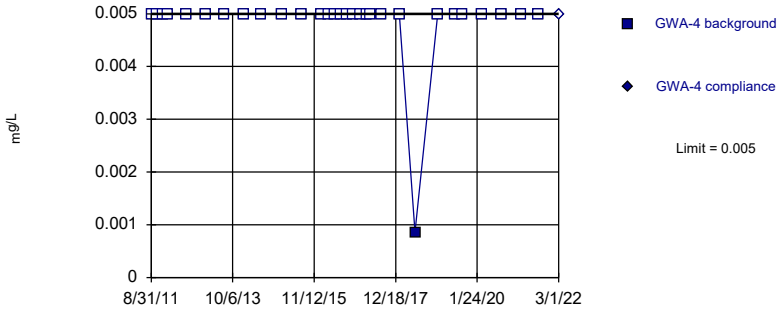
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

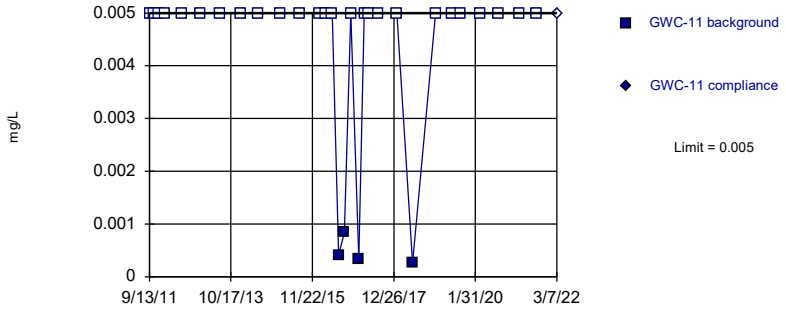
Constituent: Selenium Analysis Run 5/14/2022 1:03 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



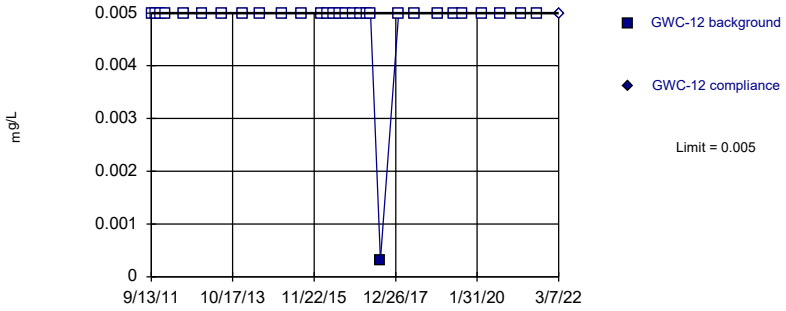
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 5/14/2022 1:03 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



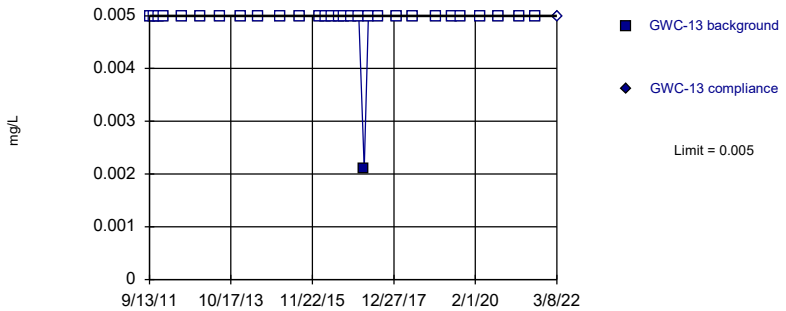
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 5/14/2022 1:03 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



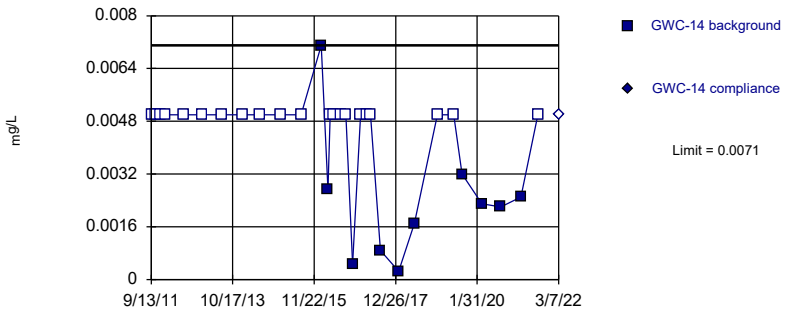
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 5/14/2022 1:03 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

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. 67.74% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

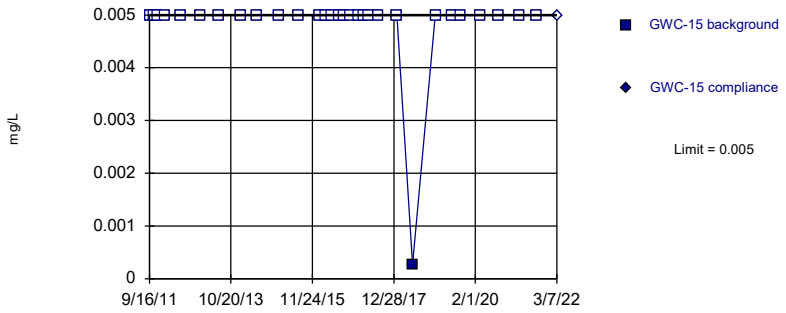
Constituent: Selenium Analysis Run 5/14/2022 1:03 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 5/14/2022 1:03 PM View: PLs - App I

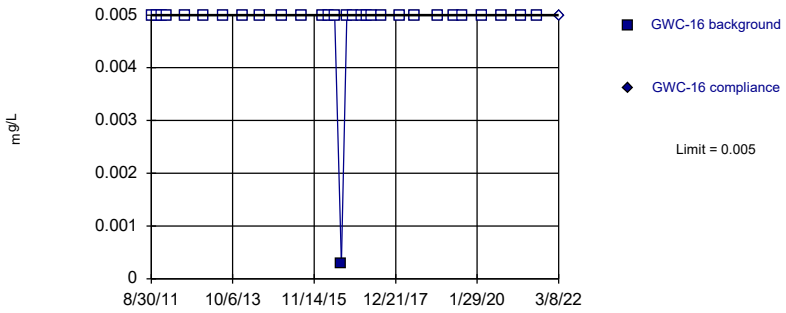
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 5/14/2022 1:03 PM View: PLs - App I

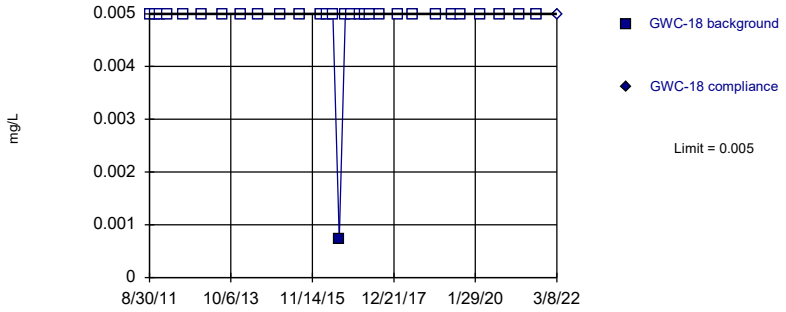
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 5/14/2022 1:03 PM View: PLs - App I

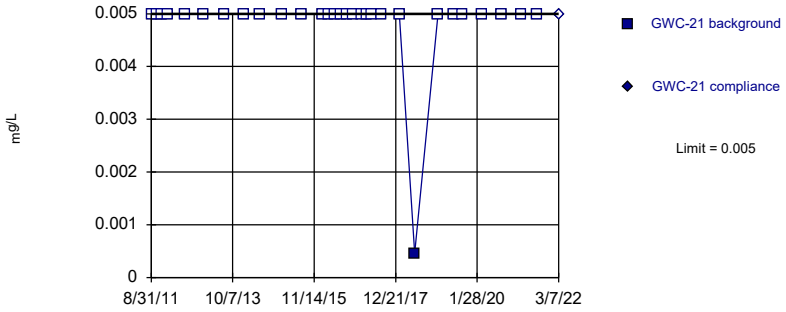
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 5/14/2022 1:03 PM View: PLs - App I

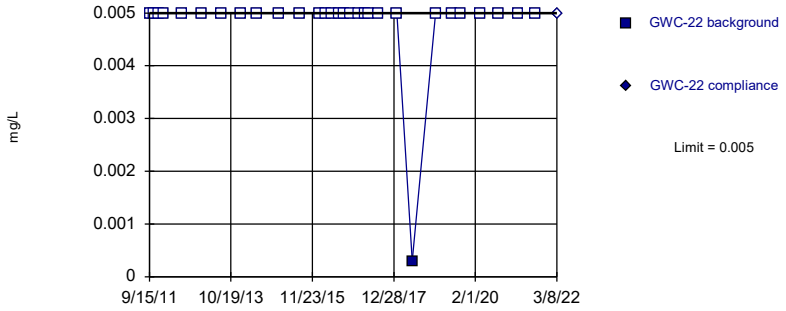
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 5/14/2022 1:03 PM View: PLs - App I

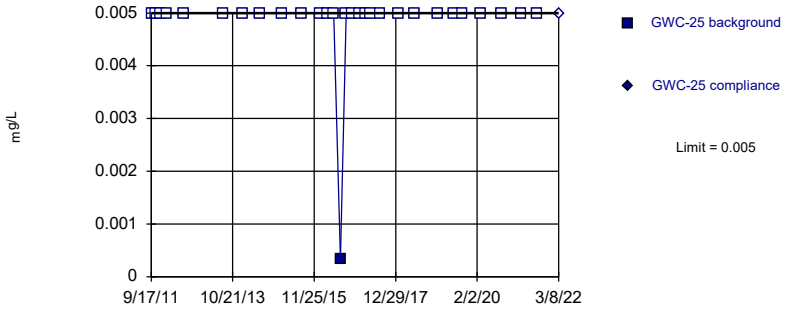
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium Analysis Run 5/14/2022 1:03 PM View: PLs - App I

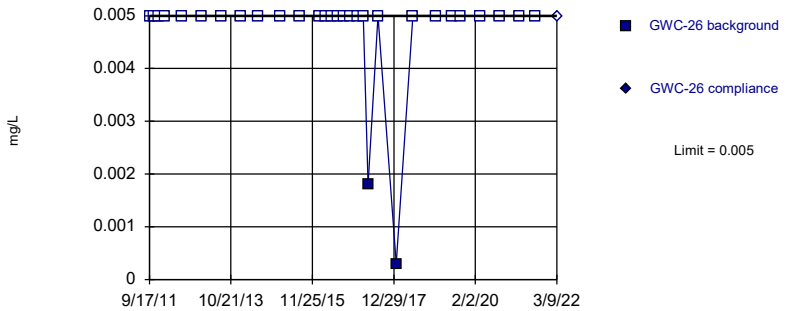
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 5/14/2022 1:03 PM View: PLs - App I

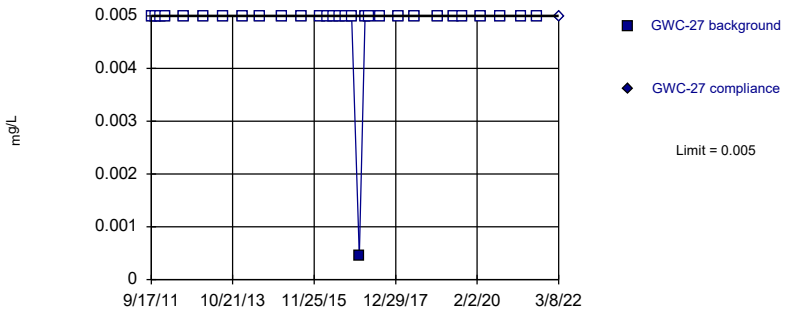
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

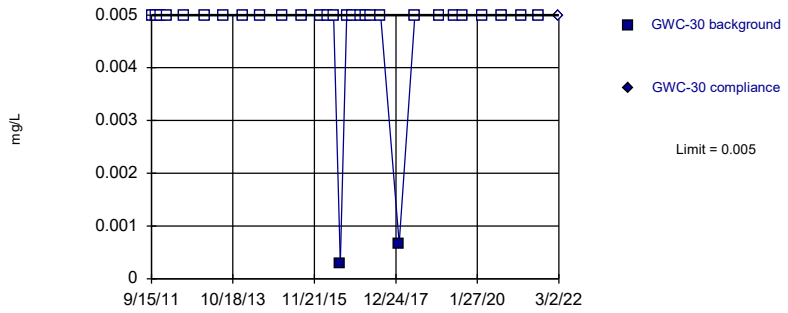
Constituent: Selenium Analysis Run 5/14/2022 1:03 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



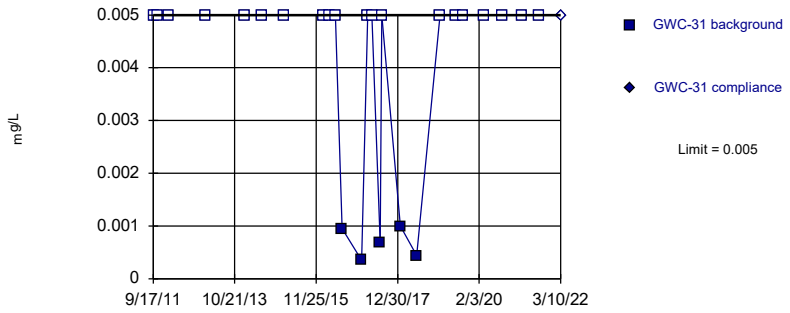
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 5/14/2022 1:03 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



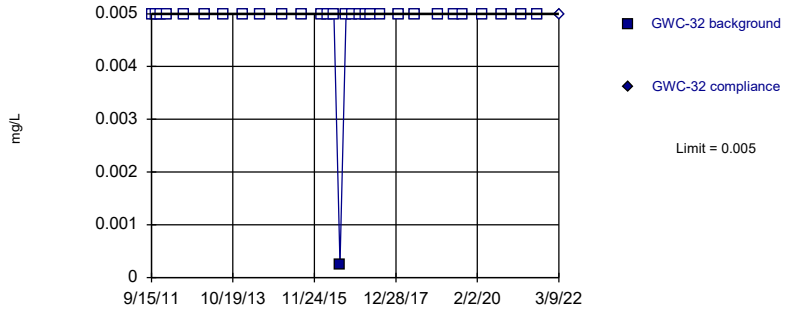
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 80% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Selenium Analysis Run 5/14/2022 1:03 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



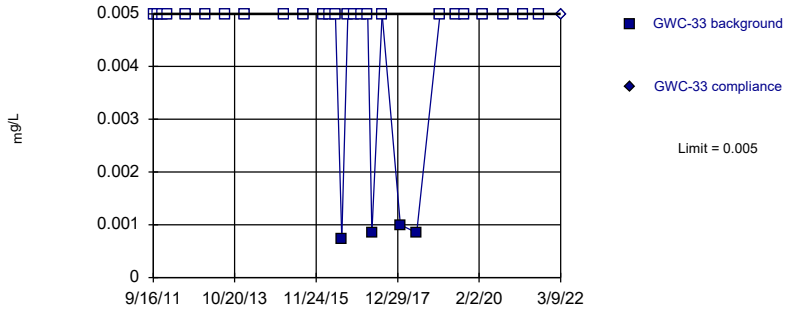
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 5/14/2022 1:03 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 86.21% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

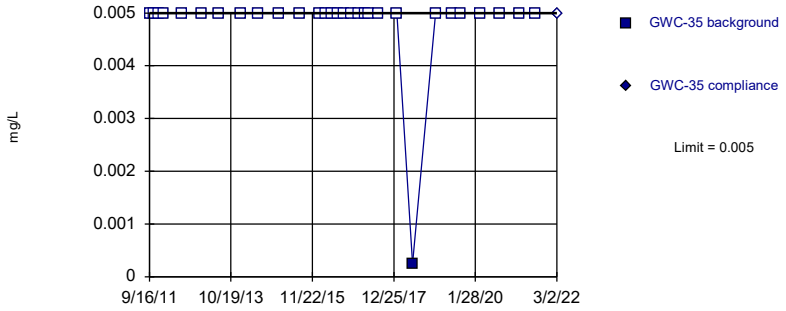
Constituent: Selenium Analysis Run 5/14/2022 1:03 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 5/14/2022 1:03 PM View: PLs - App I

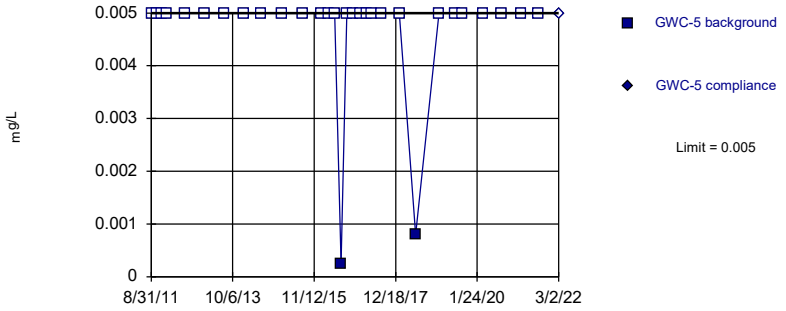
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 5/14/2022 1:03 PM View: PLs - App I

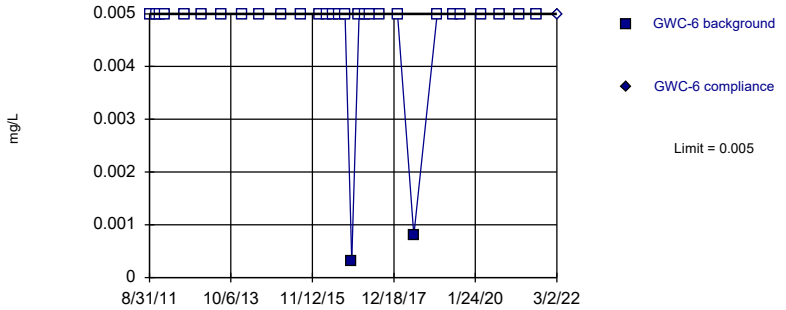
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 5/14/2022 1:03 PM View: PLs - App I

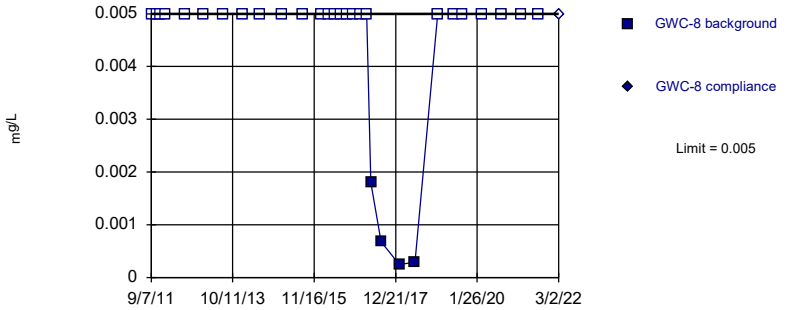
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 5/14/2022 1:03 PM View: PLs - App I

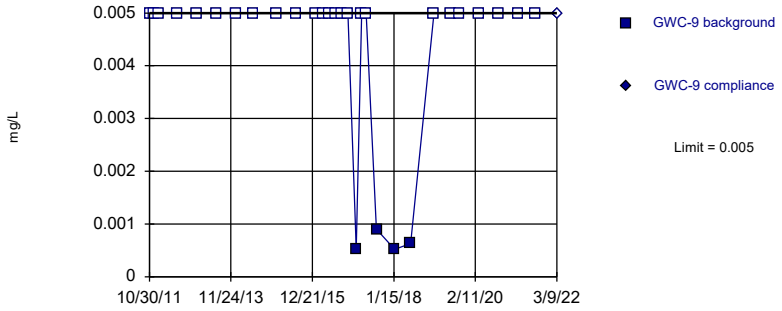
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 86.21% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

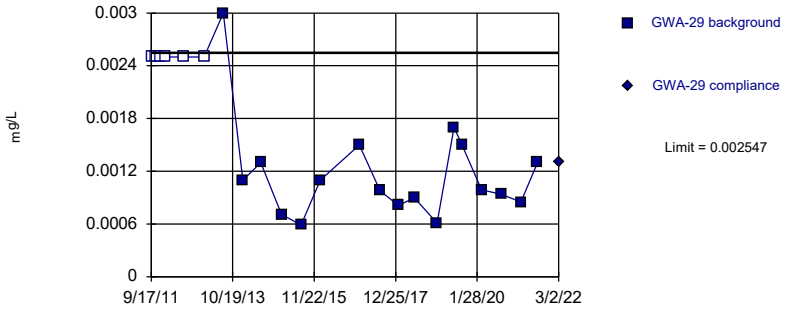
Constituent: Selenium Analysis Run 5/14/2022 1:03 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by 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=0.03184, Std. Dev.=0.006681, n=23, 26.09% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8945, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

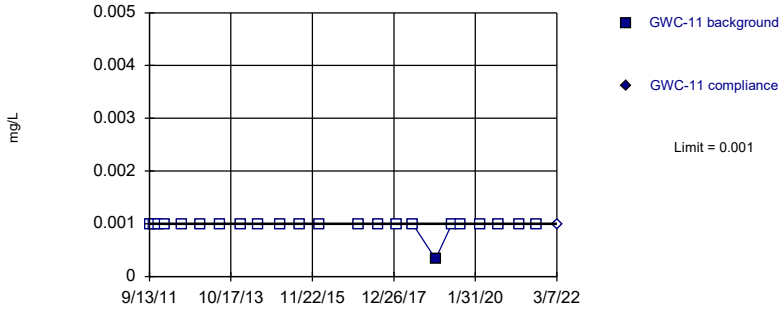
Constituent: Silver Analysis Run 5/14/2022 1:03 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

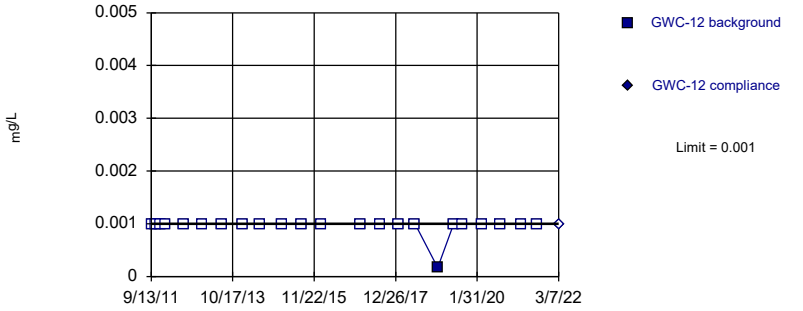
Constituent: Silver Analysis Run 5/14/2022 1:03 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



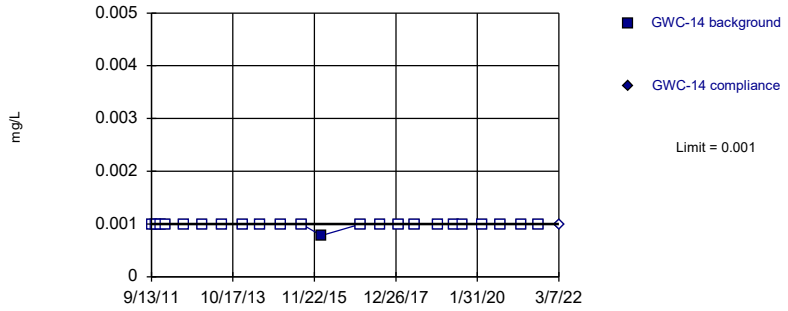
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Silver Analysis Run 5/14/2022 1:03 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



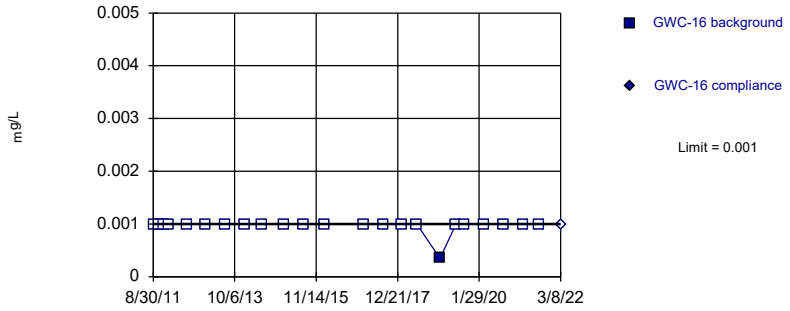
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Silver Analysis Run 5/14/2022 1:03 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



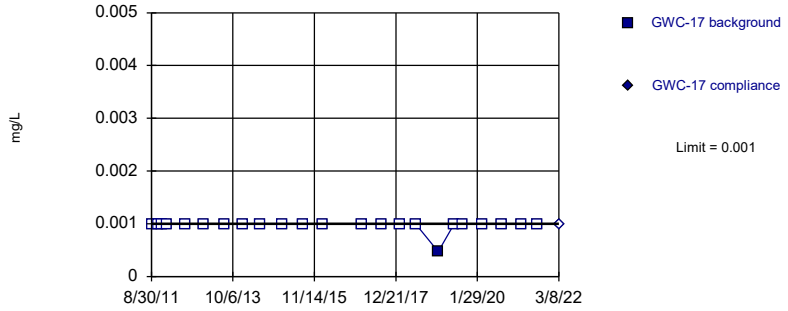
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Silver Analysis Run 5/14/2022 1:03 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



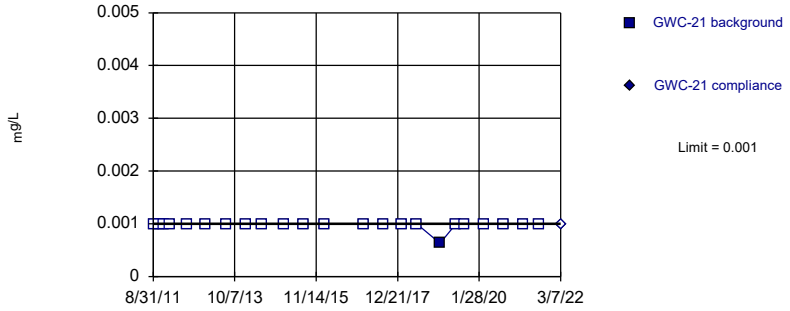
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Silver Analysis Run 5/14/2022 1:03 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

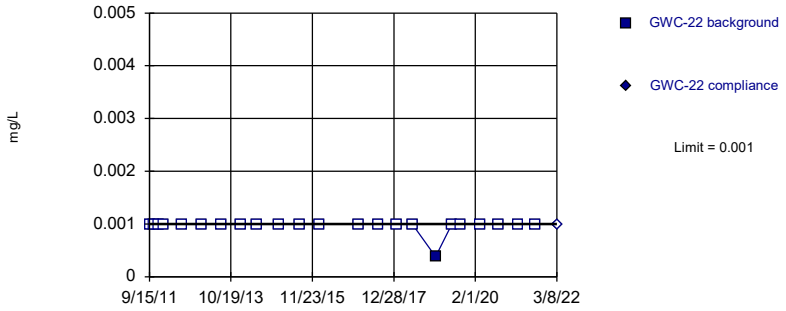
Constituent: Silver Analysis Run 5/14/2022 1:03 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

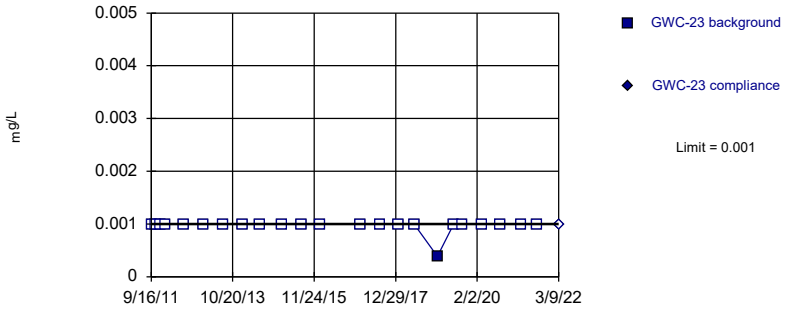
Constituent: Silver Analysis Run 5/14/2022 1:03 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

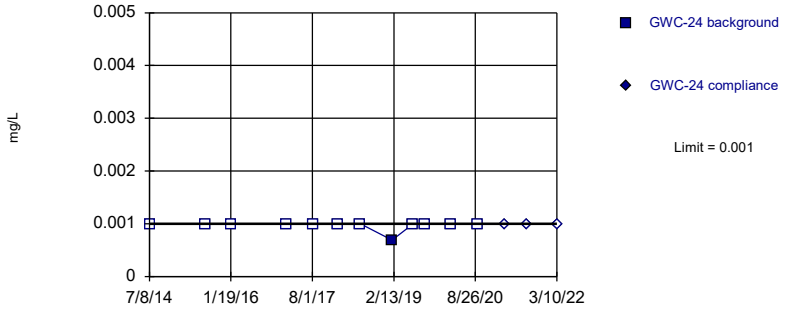
Constituent: Silver Analysis Run 5/14/2022 1:03 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

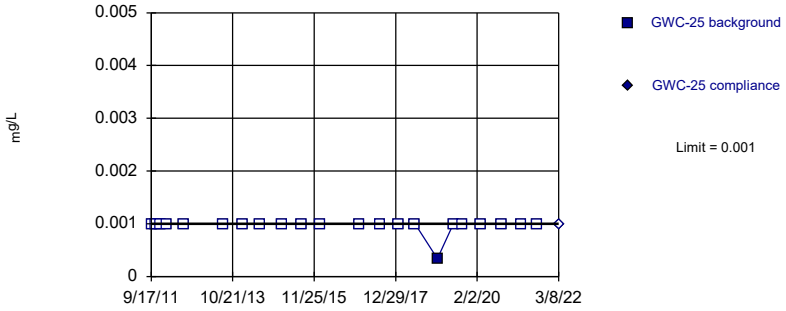
Constituent: Silver Analysis Run 5/14/2022 1:03 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



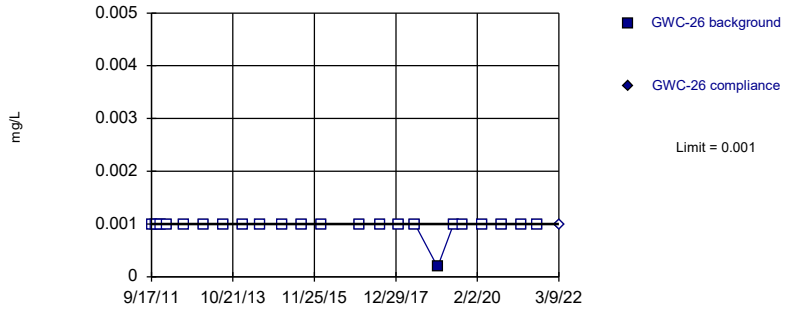
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 95.45% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Silver Analysis Run 5/14/2022 1:03 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



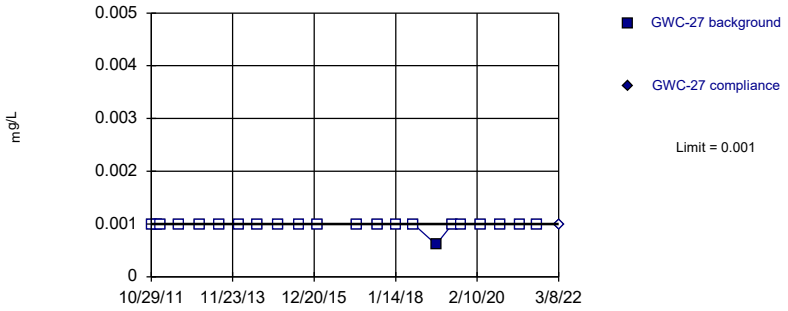
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Silver Analysis Run 5/14/2022 1:03 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



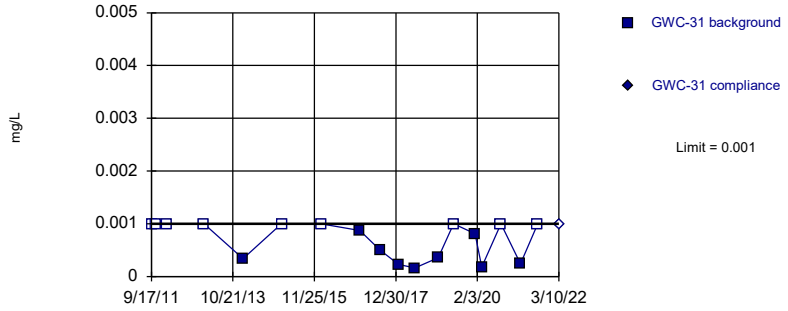
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 95.45% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Silver Analysis Run 5/14/2022 1:03 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



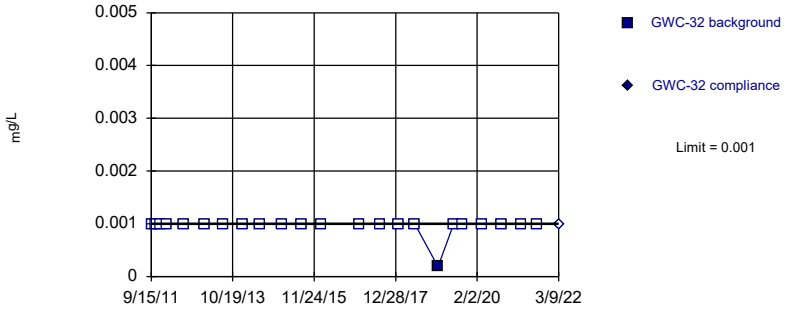
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 18 background values. 50% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Silver Analysis Run 5/14/2022 1:04 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

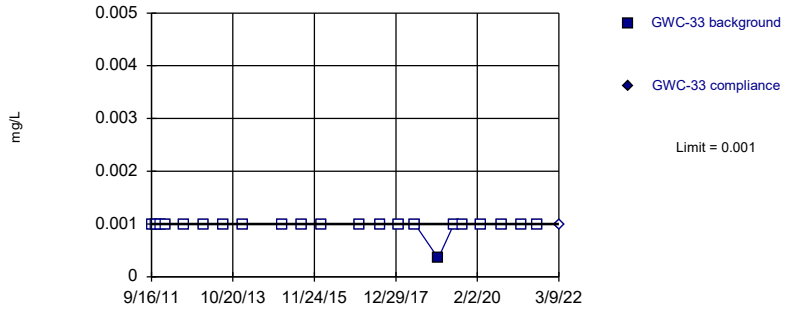
Constituent: Silver Analysis Run 5/14/2022 1:04 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 95.45% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

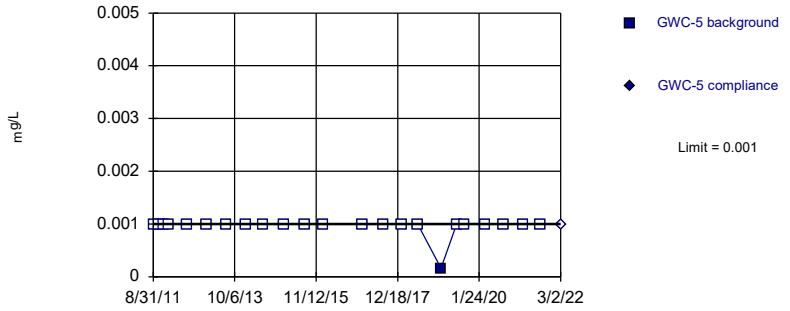
Constituent: Silver Analysis Run 5/14/2022 1:04 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

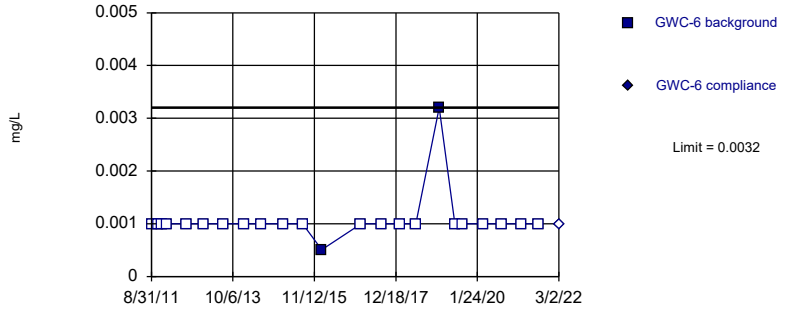
Constituent: Silver Analysis Run 5/14/2022 1:04 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

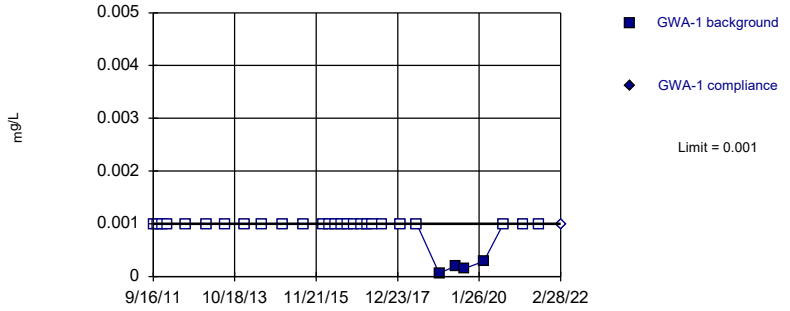
Constituent: Silver Analysis Run 5/14/2022 1:04 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



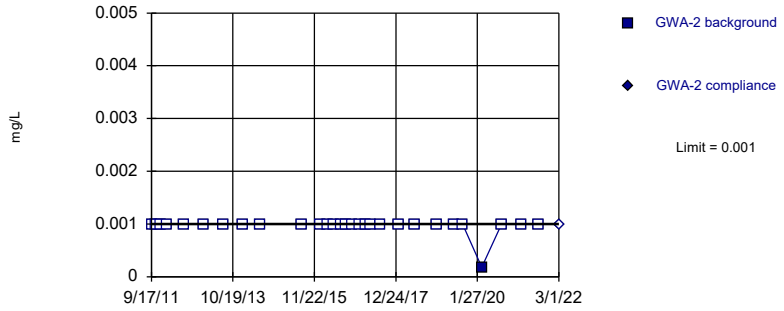
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Thallium Analysis Run 5/14/2022 1:04 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



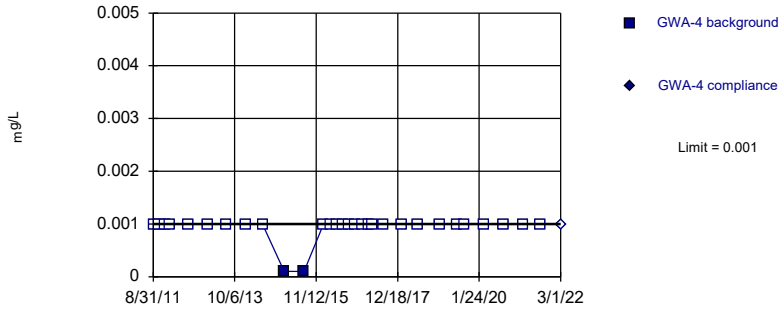
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium Analysis Run 5/14/2022 1:04 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



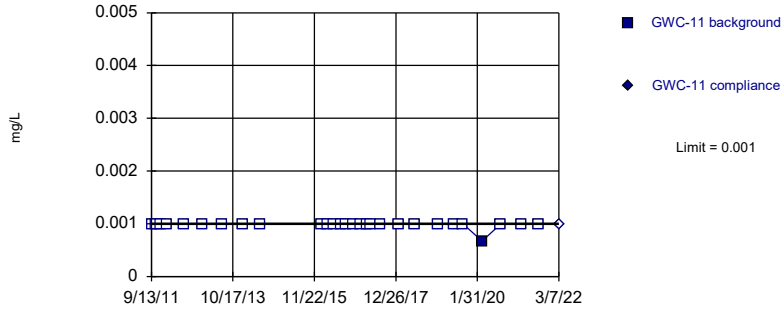
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Thallium Analysis Run 5/14/2022 1:04 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



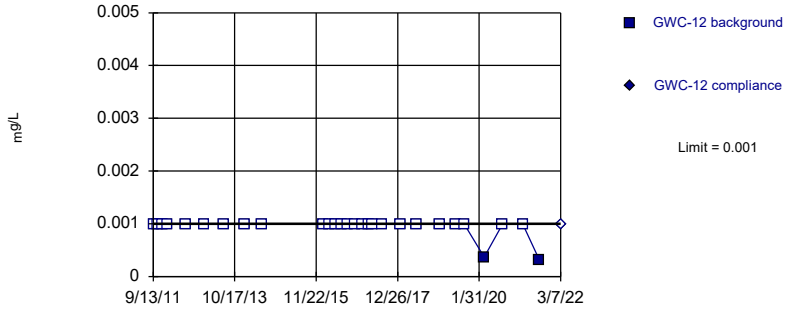
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Thallium Analysis Run 5/14/2022 1:04 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

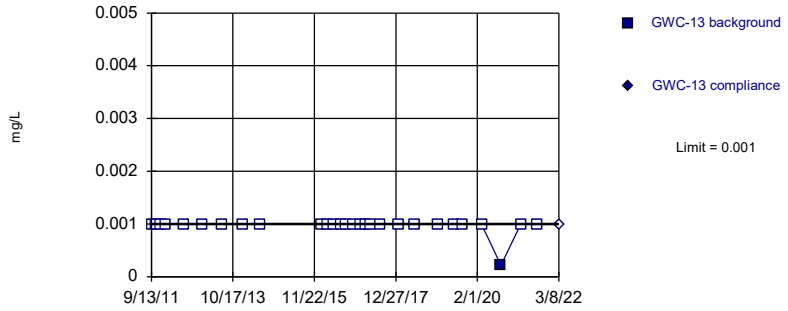
Constituent: Thallium Analysis Run 5/14/2022 1:04 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

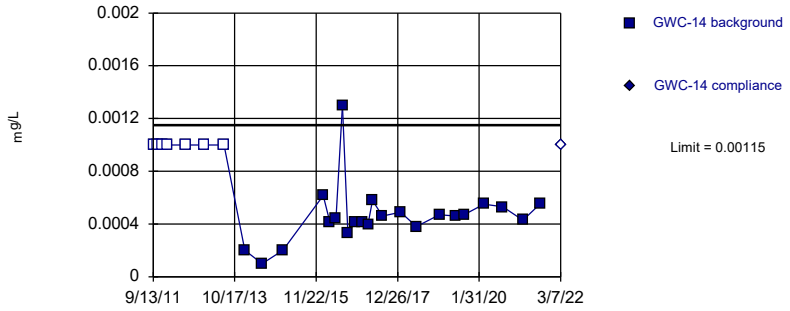
Constituent: Thallium Analysis Run 5/14/2022 1:04 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by 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=0.01978, Std. Dev.=0.005303, n=29, 24.14% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9183, critical = 0.898. Kappa = 2.665 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

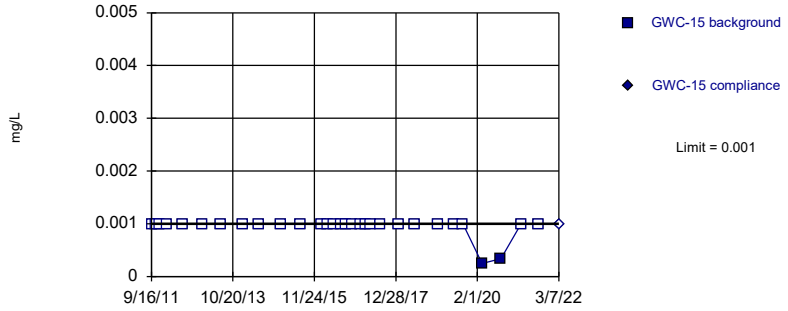
Constituent: Thallium Analysis Run 5/14/2022 1:04 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

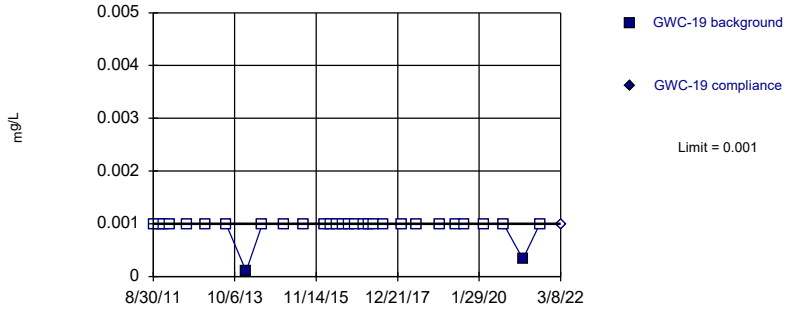
Constituent: Thallium Analysis Run 5/14/2022 1:04 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

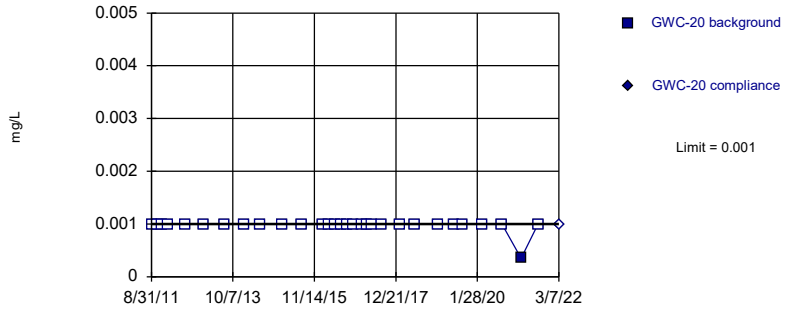
Constituent: Thallium Analysis Run 5/14/2022 1:04 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Thallium Analysis Run 5/14/2022 1:04 PM View: PLs - App I

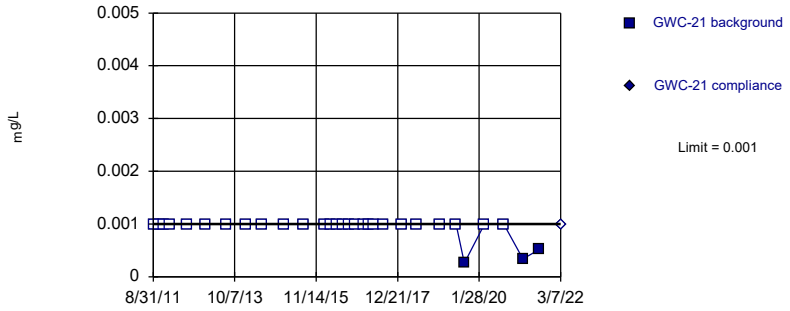
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Thallium Analysis Run 5/14/2022 1:04 PM View: PLs - App I

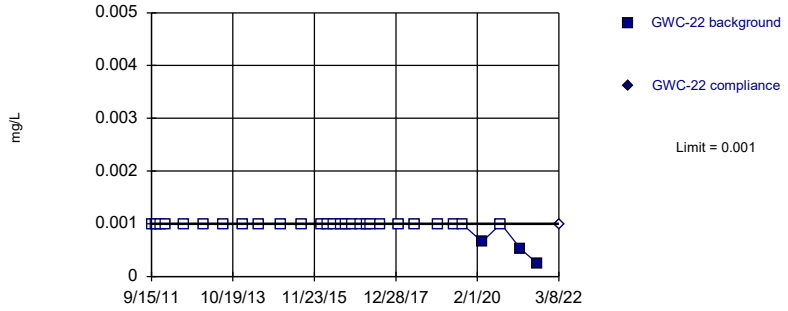
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Thallium Analysis Run 5/14/2022 1:04 PM View: PLs - App I

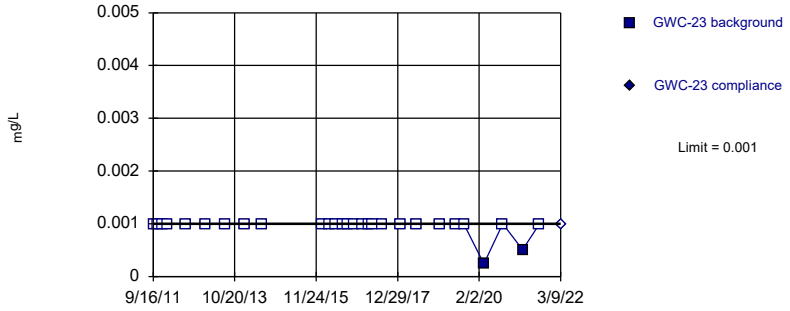
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

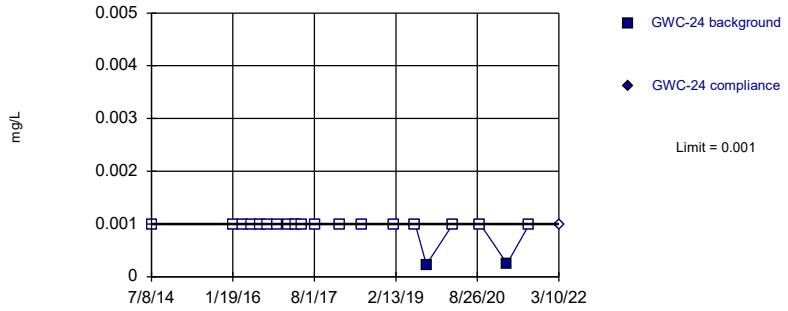
Constituent: Thallium Analysis Run 5/14/2022 1:04 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



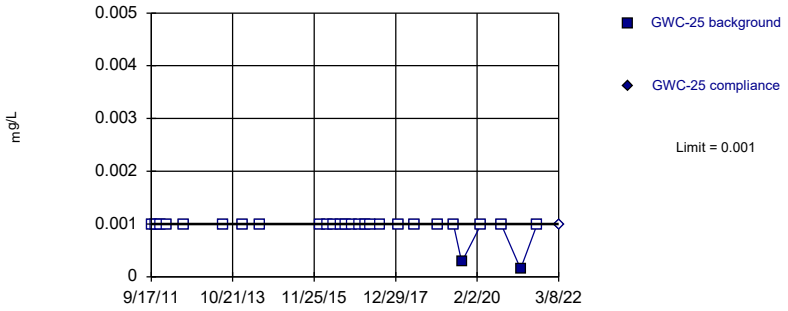
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 5/14/2022 1:04 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



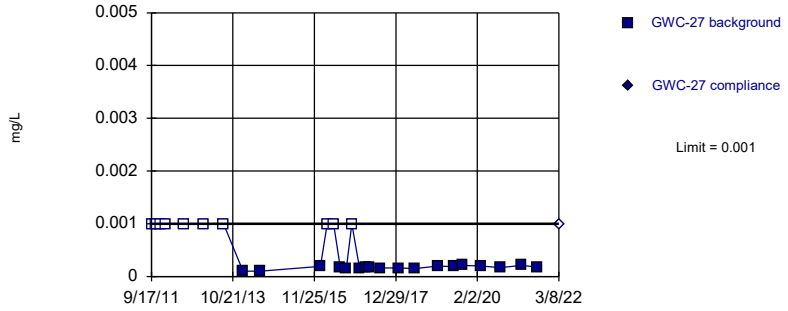
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Thallium Analysis Run 5/14/2022 1:04 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



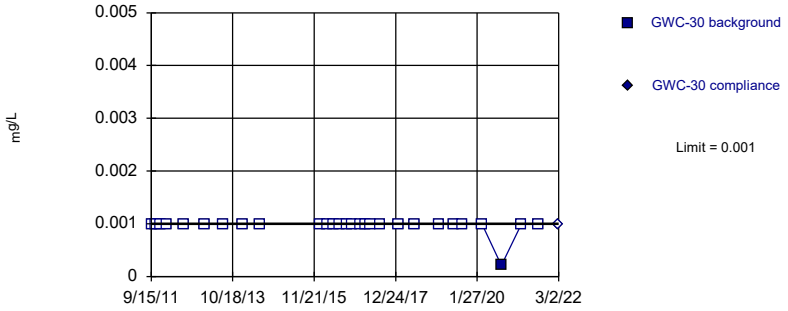
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 35.71% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Thallium Analysis Run 5/14/2022 1:04 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

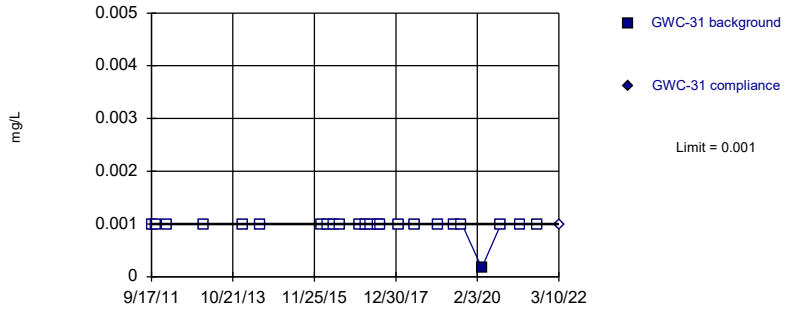
Constituent: Thallium Analysis Run 5/14/2022 1:04 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Thallium Analysis Run 5/14/2022 1:04 PM View: PLs - App I

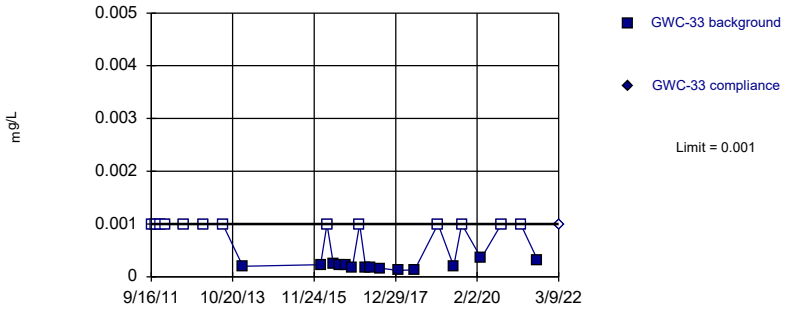
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. 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 27 background values. 48.15% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Thallium Analysis Run 5/14/2022 1:04 PM View: PLs - App I

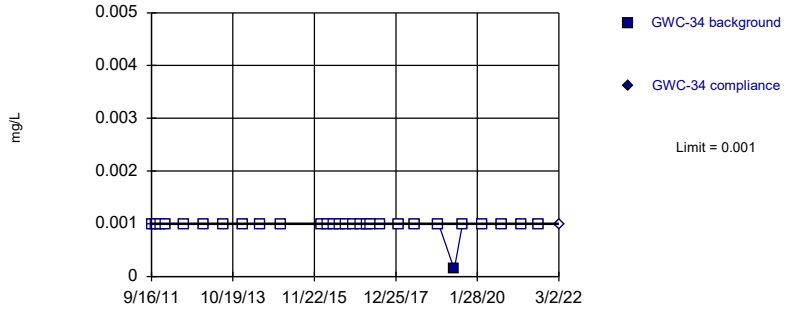
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium Analysis Run 5/14/2022 1:04 PM View: PLs - App I

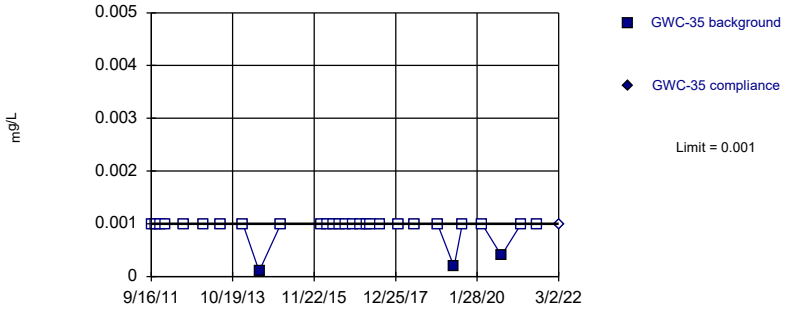
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium Analysis Run 5/14/2022 1:04 PM View: PLs - App I

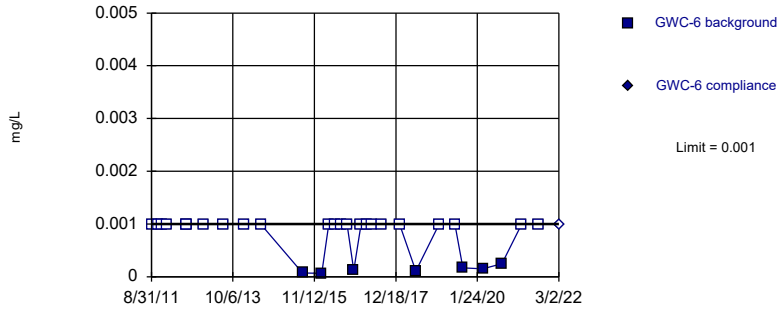
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 76.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Thallium Analysis Run 5/14/2022 1:04 PM View: PLs - App I

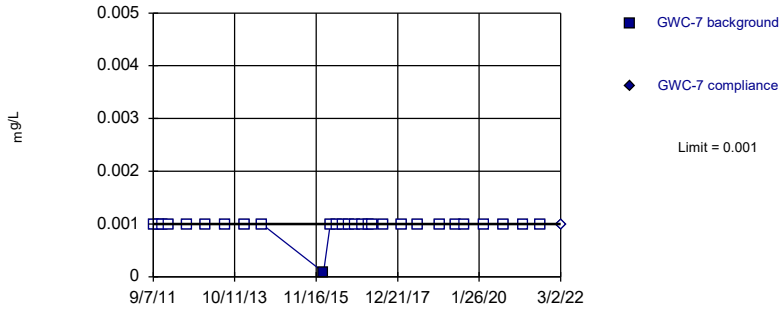
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Thallium Analysis Run 5/14/2022 1:04 PM View: PLs - App I

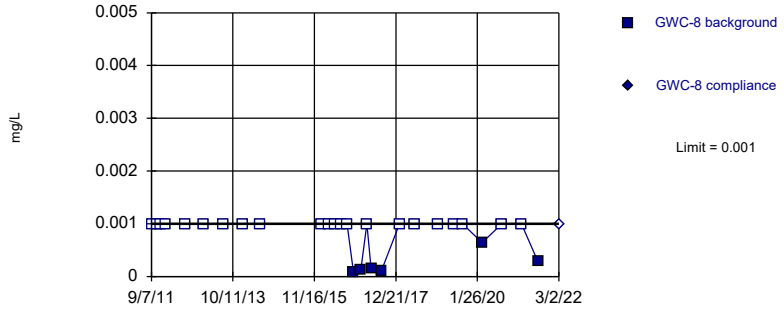
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 78.57% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Thallium Analysis Run 5/14/2022 1:04 PM View: PLs - App I

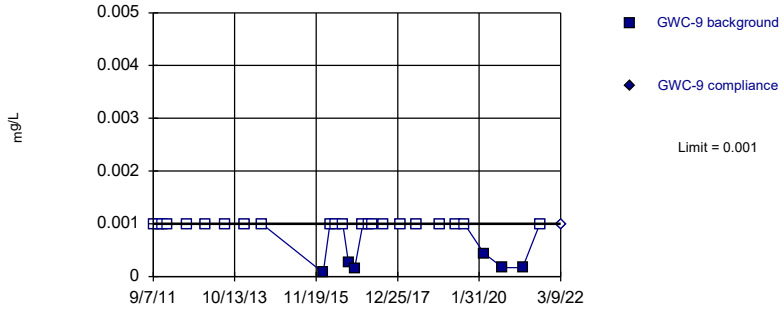
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 78.57% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Thallium Analysis Run 5/14/2022 1:04 PM View: PLs - App I

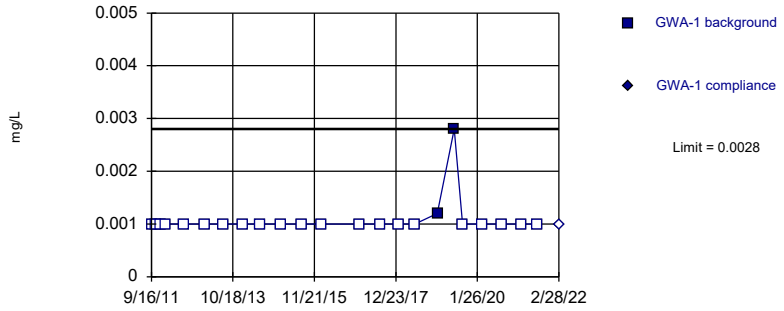
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

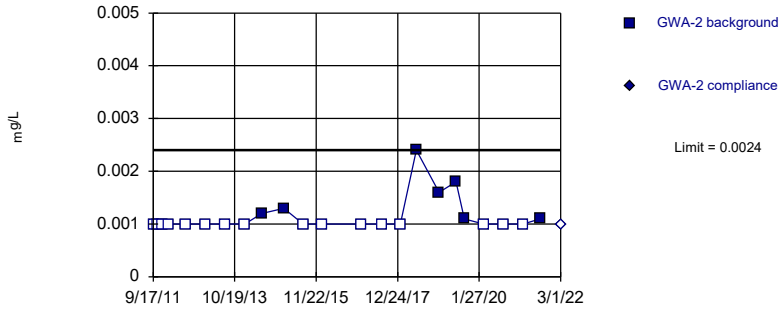
Constituent: Vanadium Analysis Run 5/14/2022 1:04 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 69.57% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

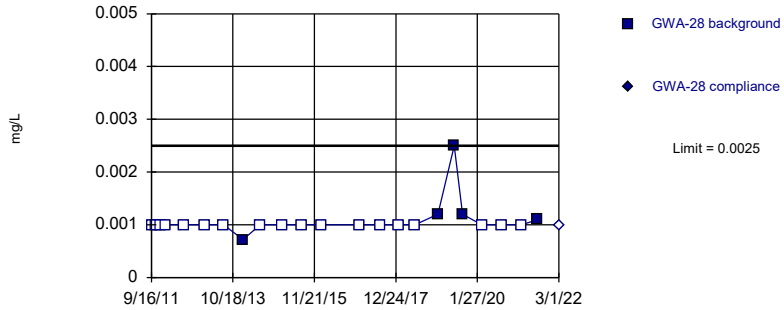
Constituent: Vanadium Analysis Run 5/14/2022 1:04 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 78.26% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

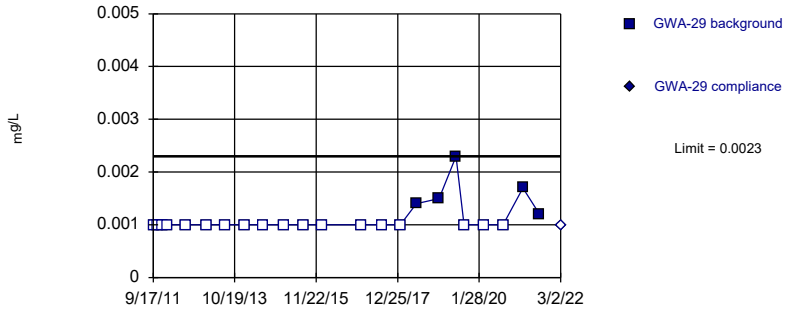
Constituent: Vanadium Analysis Run 5/14/2022 1:04 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 78.26% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

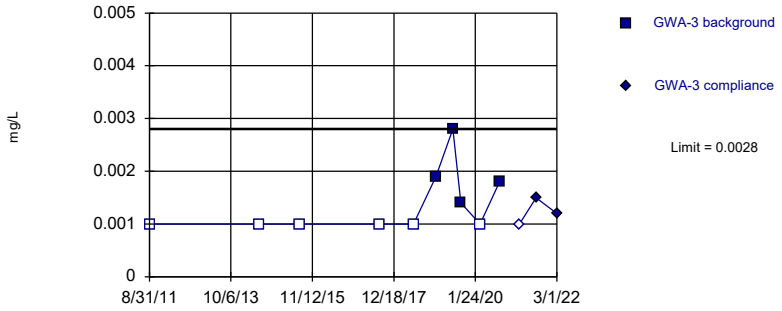
Constituent: Vanadium Analysis Run 5/14/2022 1:04 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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. 60% NDs. Well-constituent pair annual alpha = 0.0293. Individual comparison alpha = 0.01476 (1 of 2).

Constituent: Vanadium Analysis Run 5/14/2022 1:04 PM View: PLs - App I

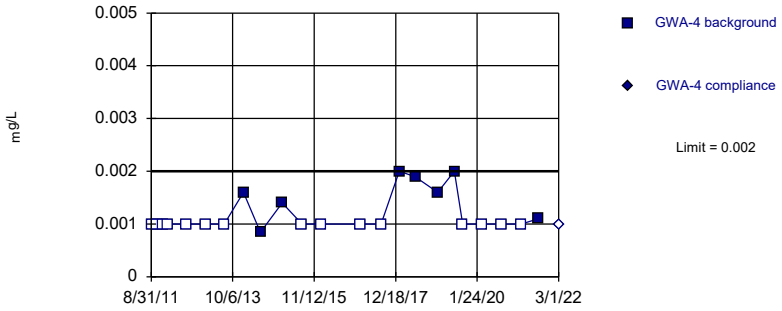
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 65.22% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 5/14/2022 1:04 PM View: PLs - App I

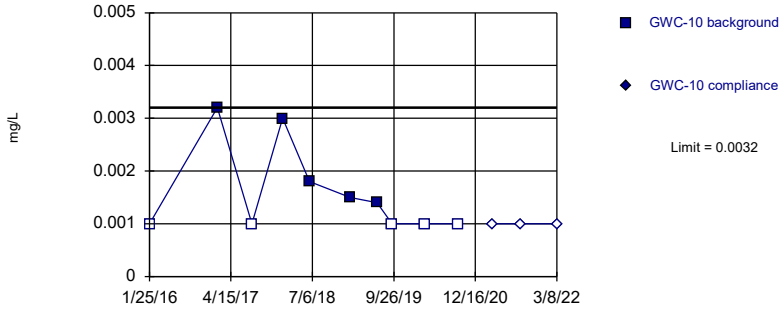
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. 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 0.05 alpha level. Limit is highest of 10 background values. 50% NDs. Well-constituent pair annual alpha = 0.0293. Individual comparison alpha = 0.01476 (1 of 2).

Constituent: Vanadium Analysis Run 5/14/2022 1:04 PM View: PLs - App I

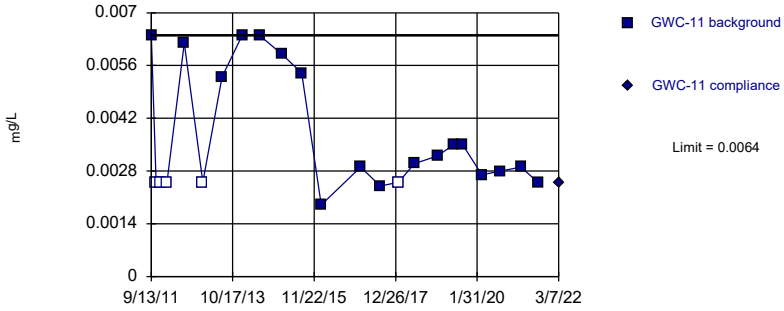
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 23 background values. 21.74% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 5/14/2022 1:04 PM View: PLs - App I

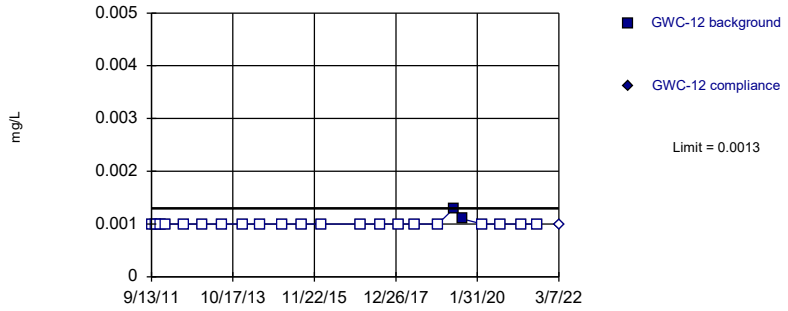
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

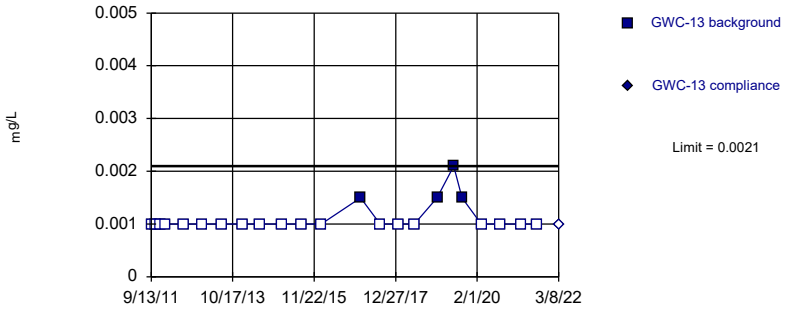
Constituent: Vanadium Analysis Run 5/14/2022 1:04 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 82.61% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

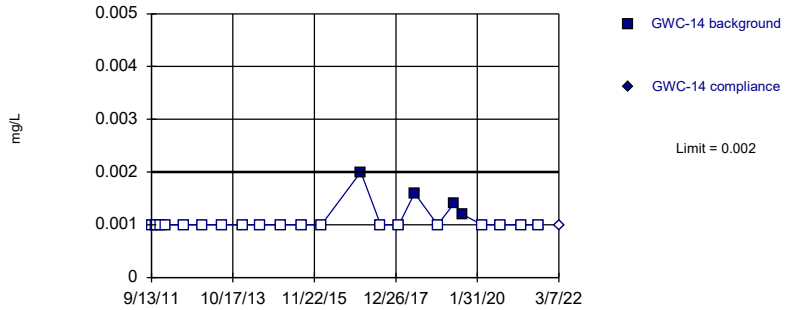
Constituent: Vanadium Analysis Run 5/14/2022 1:04 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 82.61% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

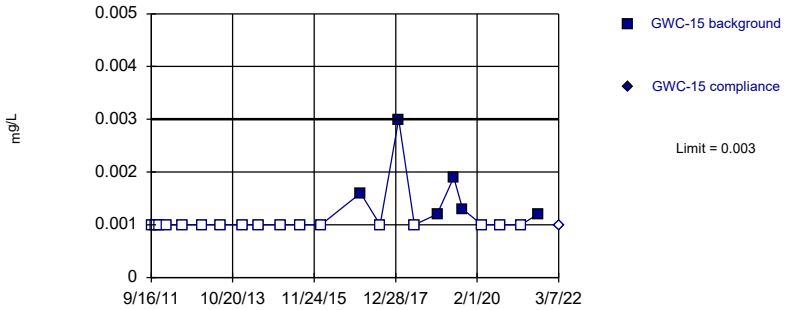
Constituent: Vanadium Analysis Run 5/14/2022 1:04 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 73.91% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

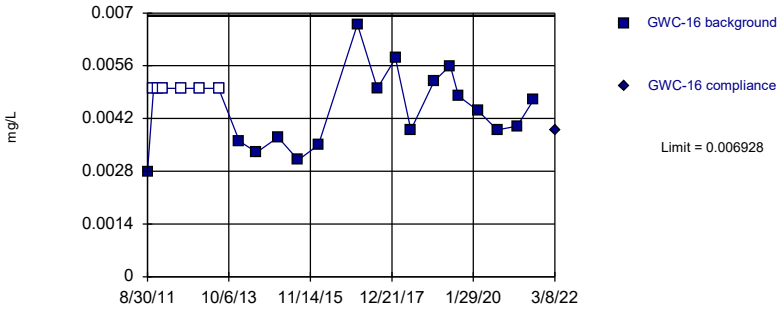
Constituent: Vanadium Analysis Run 5/14/2022 1:05 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.004174, Std. Dev.=0.0009881, n=23, 26.09% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9551, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Vanadium Analysis Run 5/14/2022 1:05 PM View: PLs - App I

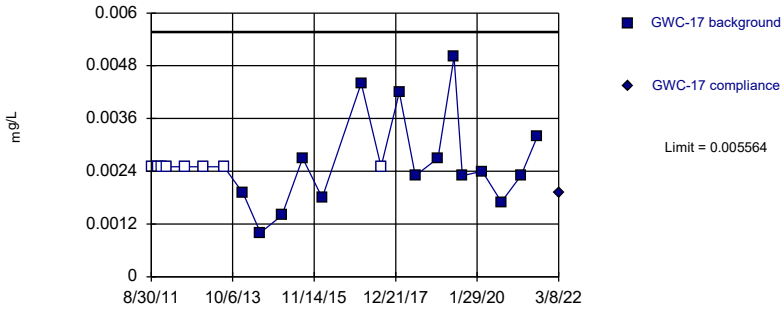
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by 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=0.04582, Std. Dev.=0.01032, n=23, 34.78% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.896, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Vanadium Analysis Run 5/14/2022 1:05 PM View: PLs - App I

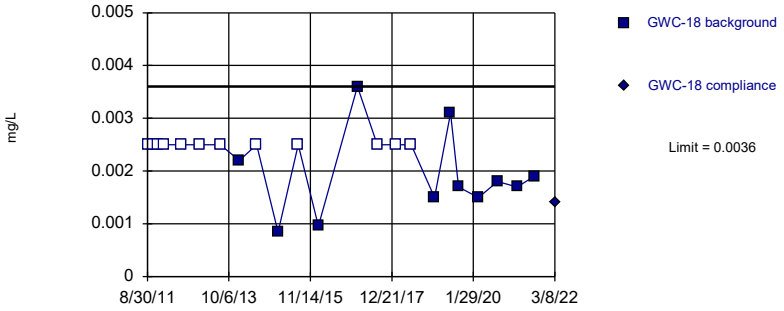
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 52.17% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 5/14/2022 1:05 PM View: PLs - App I

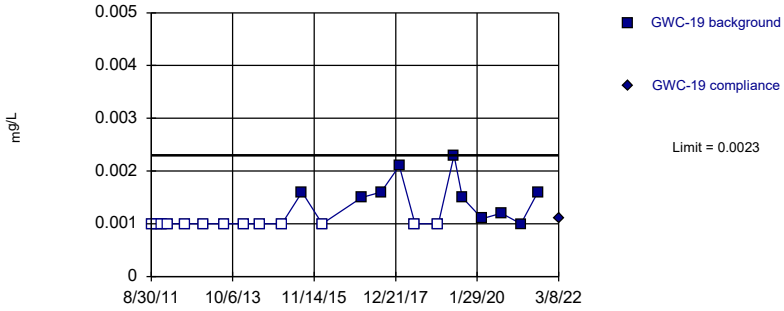
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 56.52% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 5/14/2022 1:05 PM View: PLs - App I

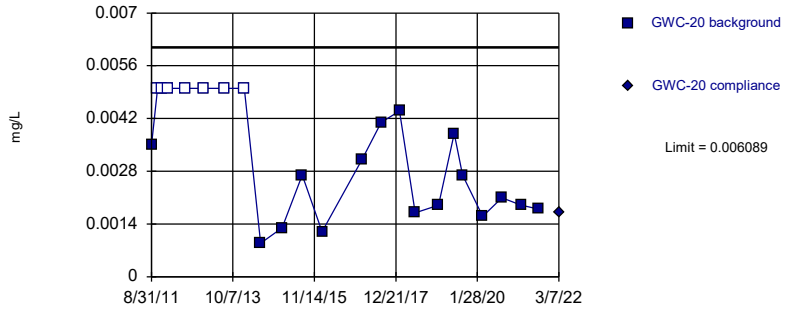
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by 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=0.0468, Std. Dev.=0.01121, n=23, 30.43% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8859, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

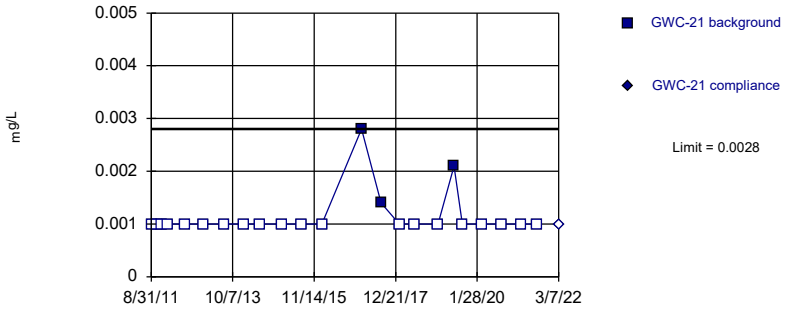
Constituent: Vanadium Analysis Run 5/14/2022 1:05 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

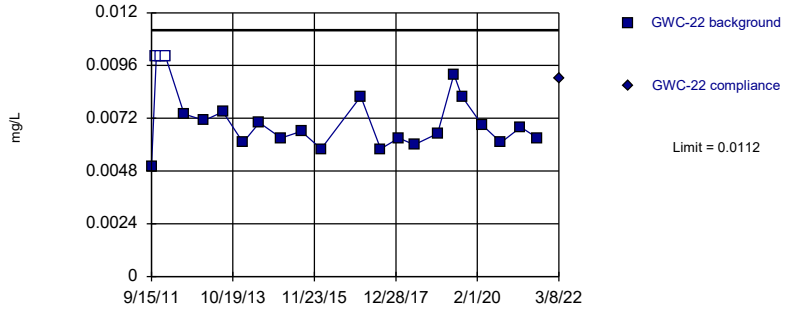
Constituent: Vanadium Analysis Run 5/14/2022 1:05 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.007178, Std. Dev.=0.001443, n=23, 13.04% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8835, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

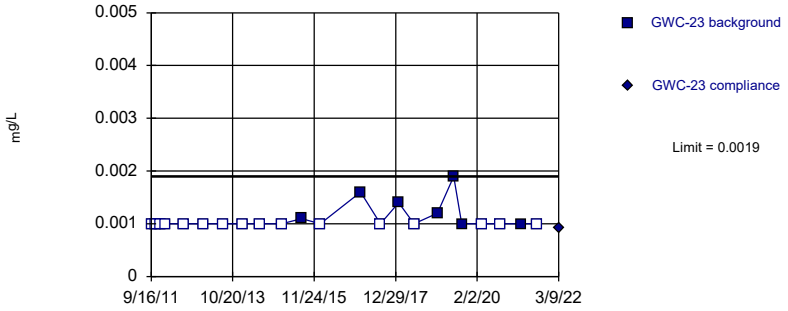
Constituent: Vanadium Analysis Run 5/14/2022 1:05 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 69.57% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

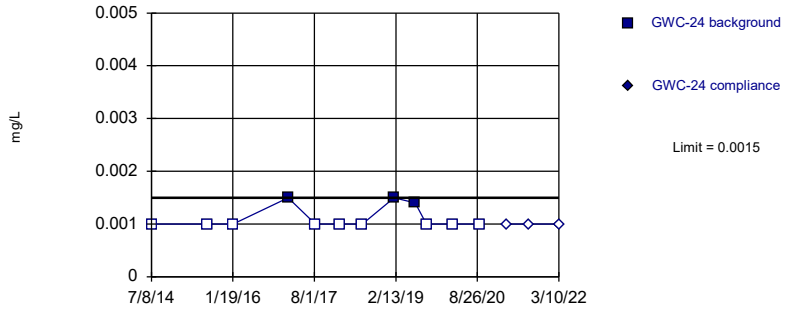
Constituent: Vanadium Analysis Run 5/14/2022 1:05 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 75% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Vanadium Analysis Run 5/14/2022 1:05 PM View: PLs - App I

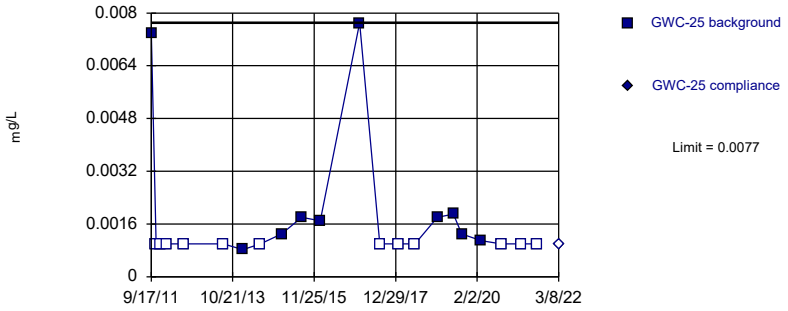
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 54.55% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Vanadium Analysis Run 5/14/2022 1:05 PM View: PLs - App I

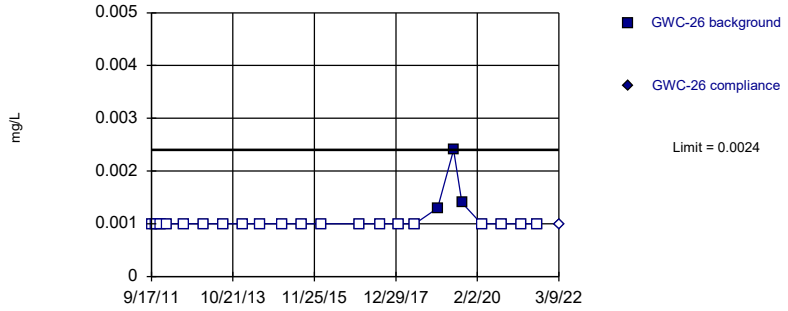
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 5/14/2022 1:05 PM View: PLs - App I

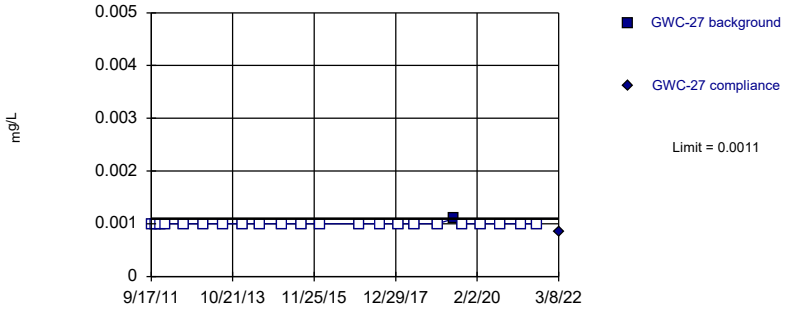
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 5/14/2022 1:05 PM View: PLs - App I

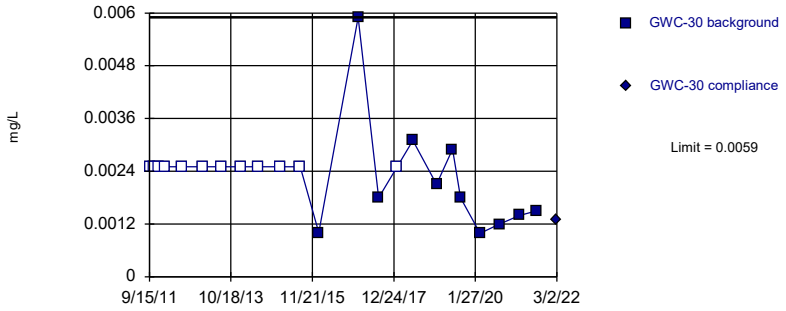
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 52.17% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 5/14/2022 1:05 PM View: PLs - App I

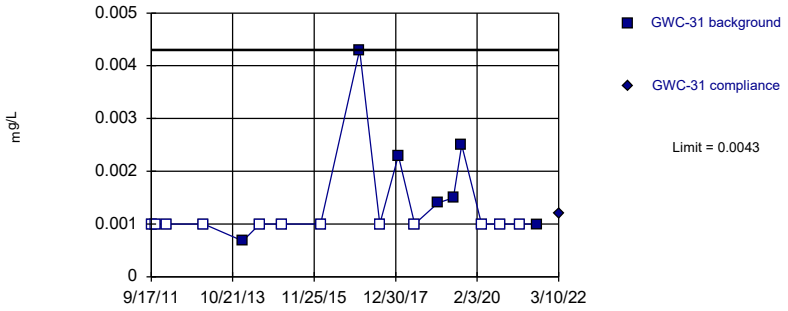
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 63.16% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Vanadium Analysis Run 5/14/2022 1:05 PM View: PLs - App I

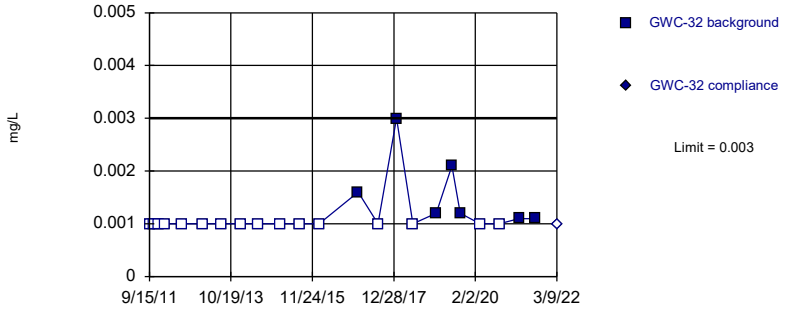
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 69.57% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 5/14/2022 1:05 PM View: PLs - App I

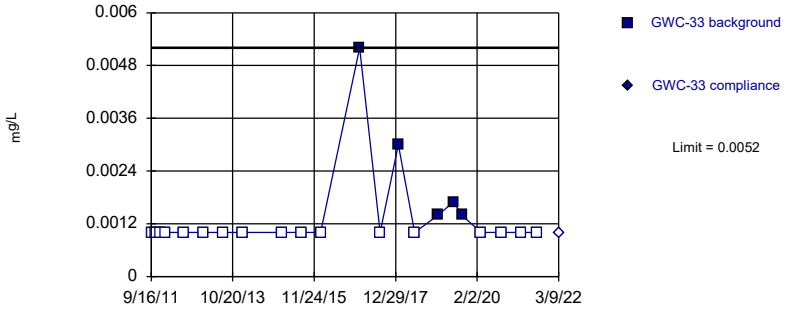
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 77.27% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Vanadium Analysis Run 5/14/2022 1:05 PM View: PLs - App I

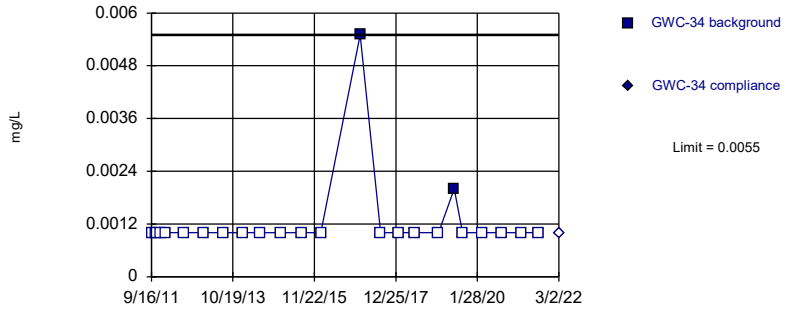
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

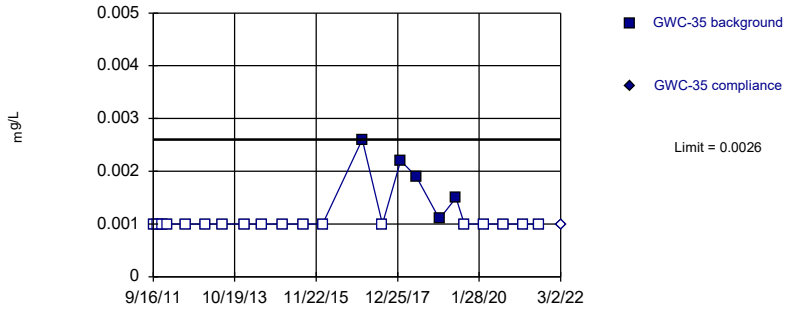
Constituent: Vanadium Analysis Run 5/14/2022 1:05 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 78.26% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

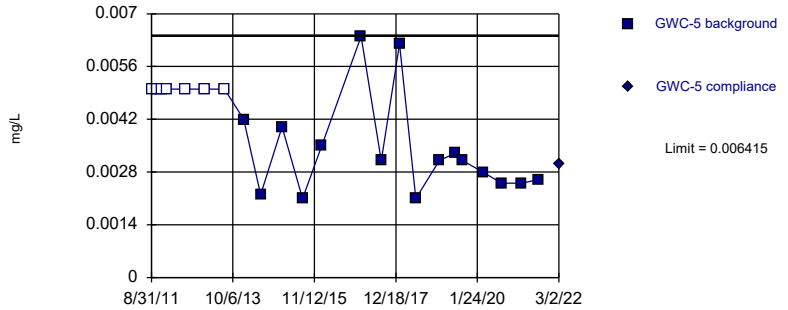
Constituent: Vanadium Analysis Run 5/14/2022 1:05 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003106, Std. Dev.=0.001187, n=23, 30.43% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.909, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

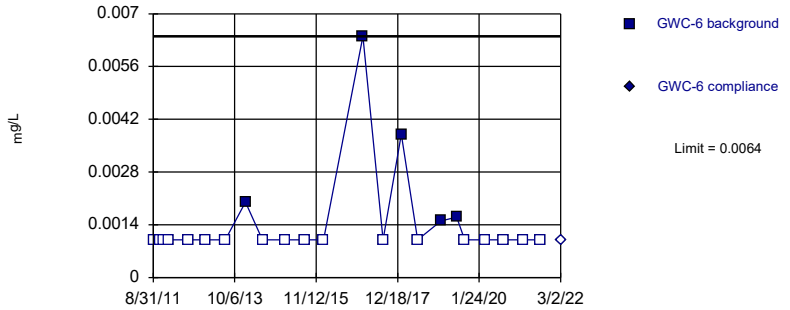
Constituent: Vanadium Analysis Run 5/14/2022 1:05 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 78.26% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

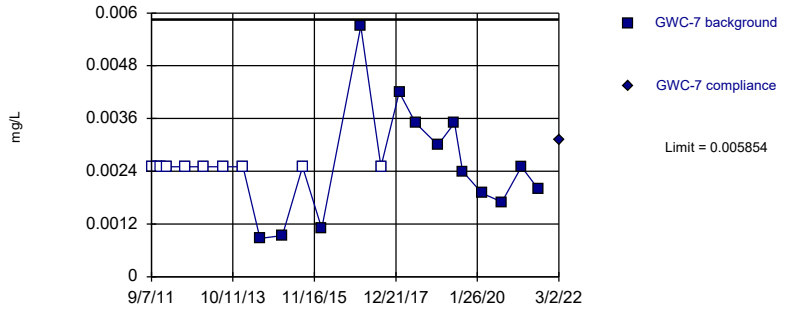
Constituent: Vanadium Analysis Run 5/14/2022 1:05 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by 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=0.04368, Std. Dev.=0.01178, n=23, 43.48% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8887, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Vanadium Analysis Run 5/14/2022 1:05 PM View: PLs - App I

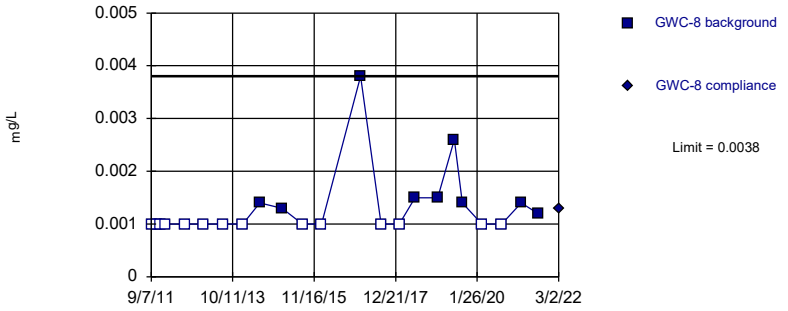
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 60.87% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 5/14/2022 1:05 PM View: PLs - App I

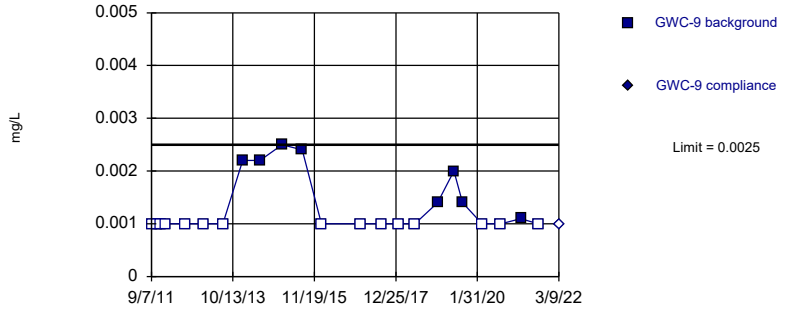
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 65.22% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 5/14/2022 1:05 PM View: PLs - App I

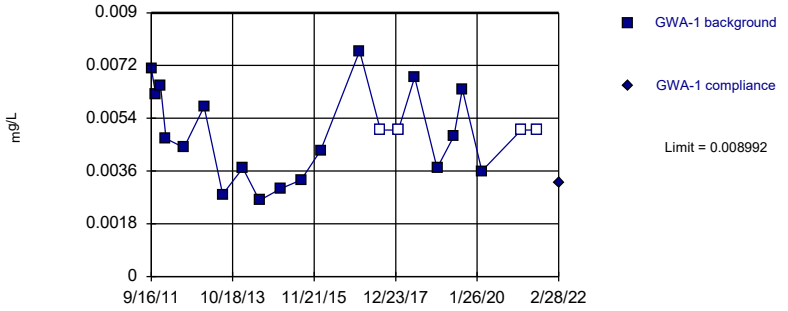
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.004609, Std. Dev.=0.001557, n=22, 18.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9635, critical = 0.878. Kappa = 2.815 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Zinc Analysis Run 5/14/2022 1:05 PM View: PLs - App I

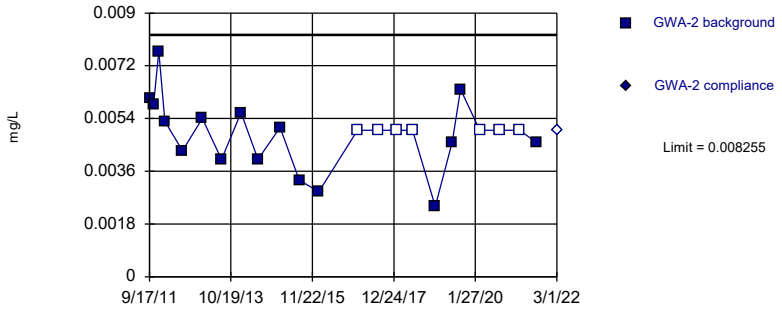
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.00432, Std. Dev.=0.001412, n=23, 30.43% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9504, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Zinc Analysis Run 5/14/2022 1:05 PM View: PLs - App I

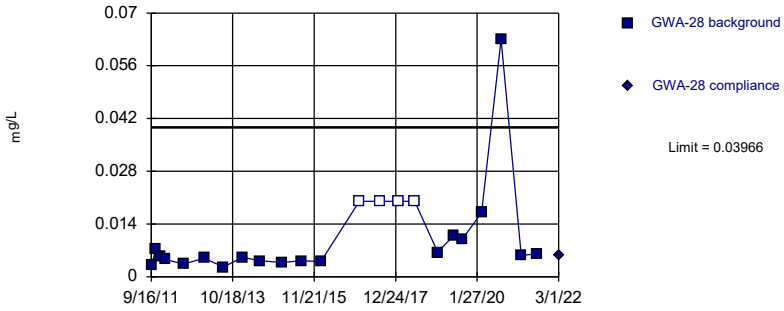
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by 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=-5.131, Std. Dev.=0.6831, n=23, 17.39% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8991, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Zinc Analysis Run 5/14/2022 1:05 PM View: PLs - App I

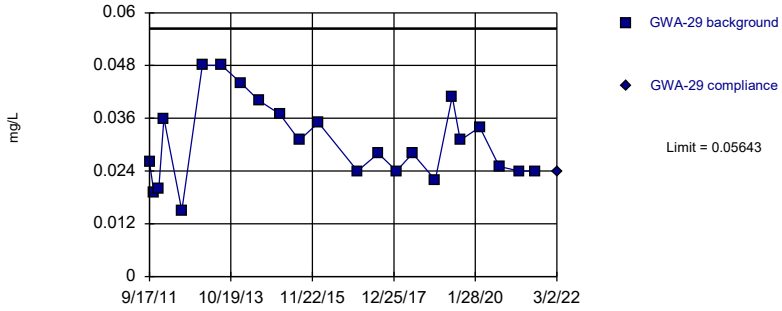
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.03061, Std. Dev.=0.009263, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9549, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Zinc Analysis Run 5/14/2022 1:05 PM View: PLs - App I

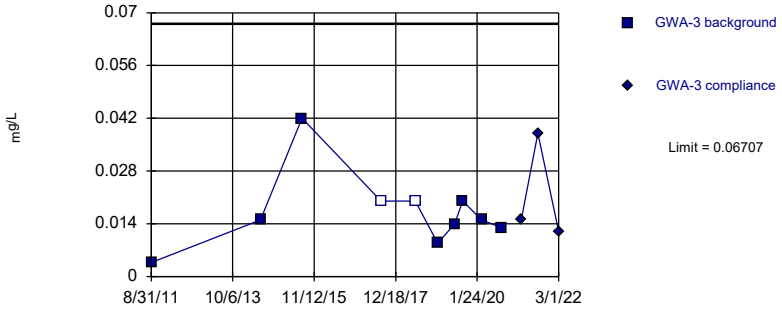
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by 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=0.1155, Std. Dev.=0.0381, n=10, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9204, critical = 0.842. Kappa = 3.766 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Zinc Analysis Run 5/14/2022 1:05 PM View: PLs - App I

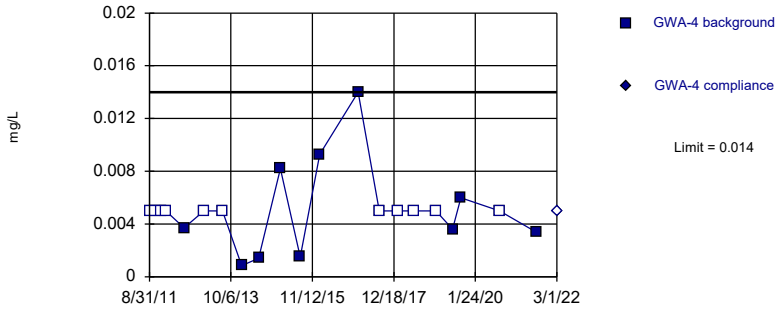
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 52.38% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

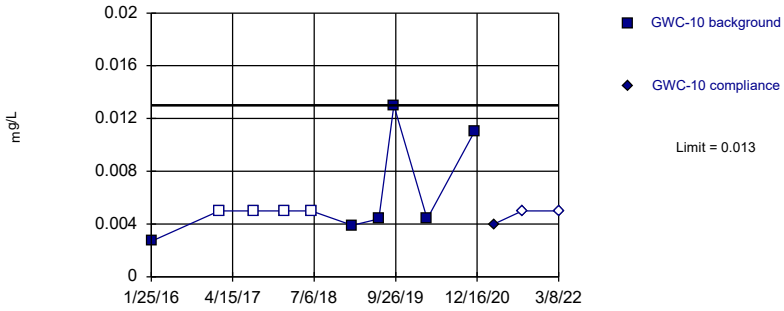
Constituent: Zinc Analysis Run 5/14/2022 1:05 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. 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 0.05 alpha level. Limit is highest of 10 background values. 40% NDs. Well-constituent pair annual alpha = 0.0293. Individual comparison alpha = 0.01476 (1 of 2).

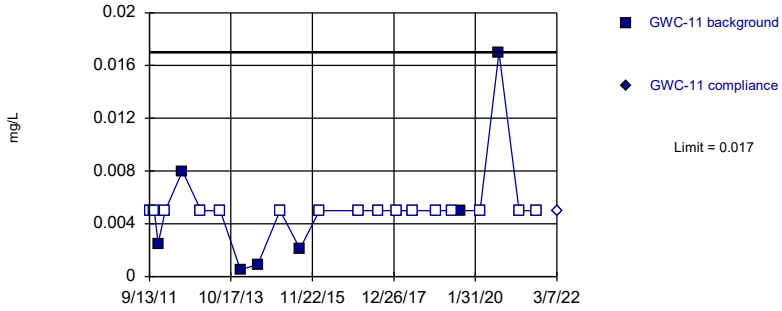
Constituent: Zinc Analysis Run 5/14/2022 1:05 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 69.57% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

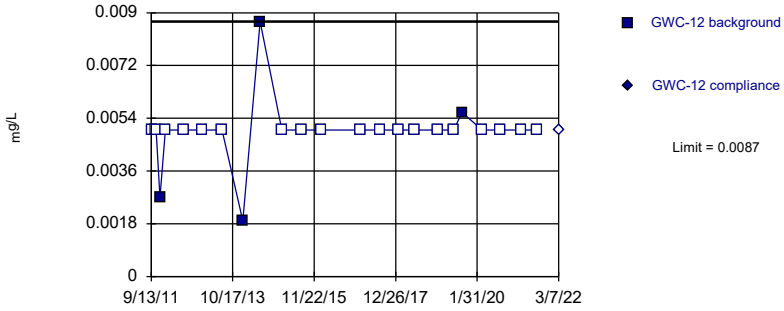
Constituent: Zinc Analysis Run 5/14/2022 1:05 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



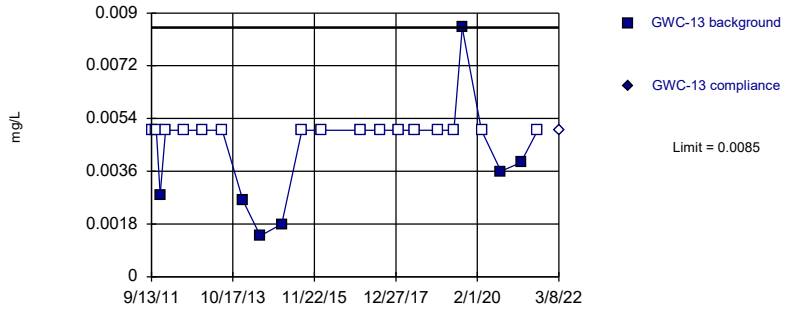
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 82.61% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc Analysis Run 5/14/2022 1:05 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 69.57% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

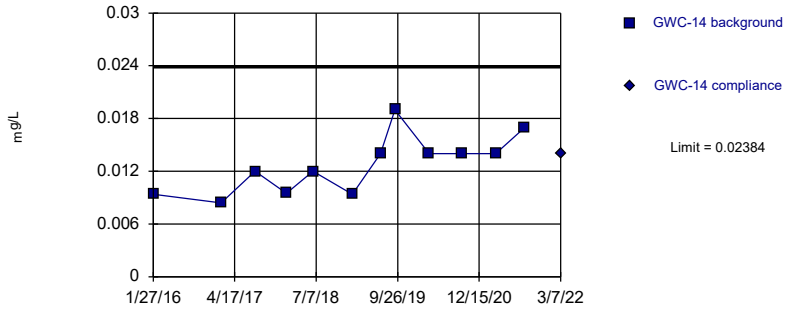
Constituent: Zinc Analysis Run 5/14/2022 1:05 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.01273, Std. Dev.=0.003253, n=12. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9235, critical = 0.859. Kappa = 3.418 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

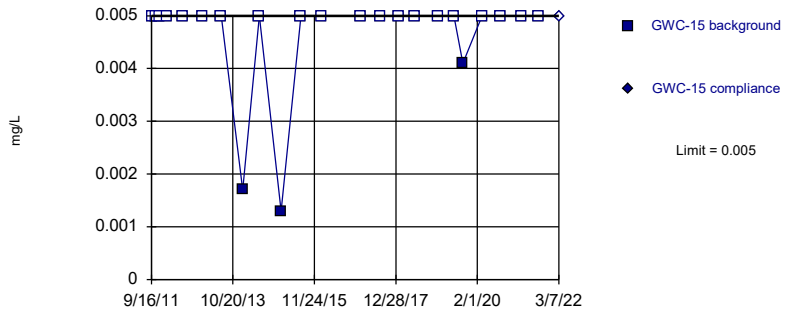
Constituent: Zinc Analysis Run 5/14/2022 1:05 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

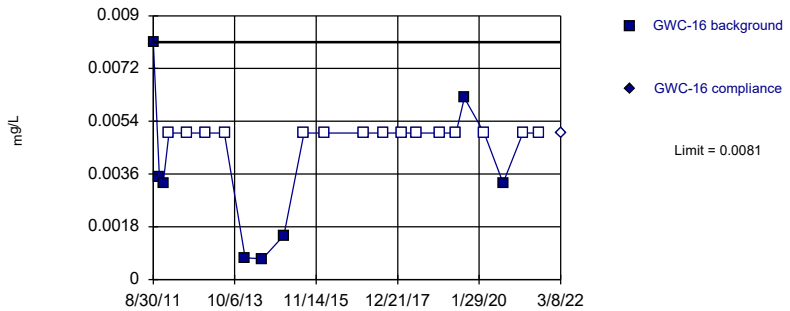
Constituent: Zinc Analysis Run 5/14/2022 1:05 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 65.22% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

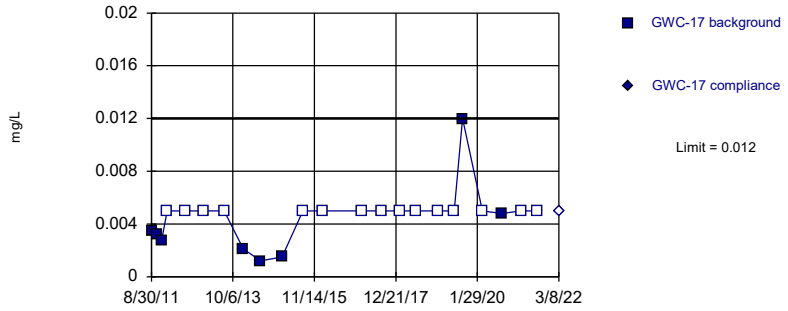
Constituent: Zinc Analysis Run 5/14/2022 1:05 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 65.22% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

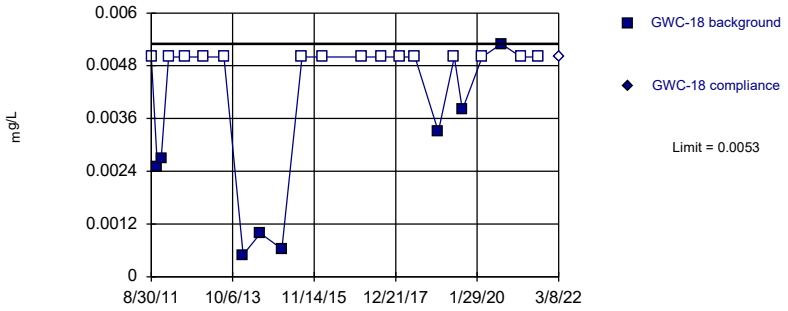
Constituent: Zinc Analysis Run 5/14/2022 1:05 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 65.22% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

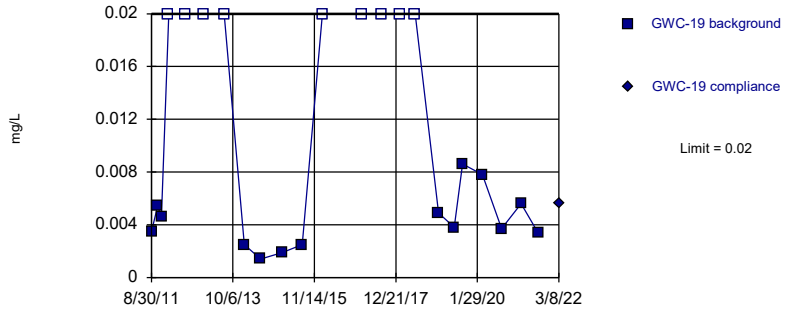
Constituent: Zinc Analysis Run 5/14/2022 1:05 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 23 background values. 39.13% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

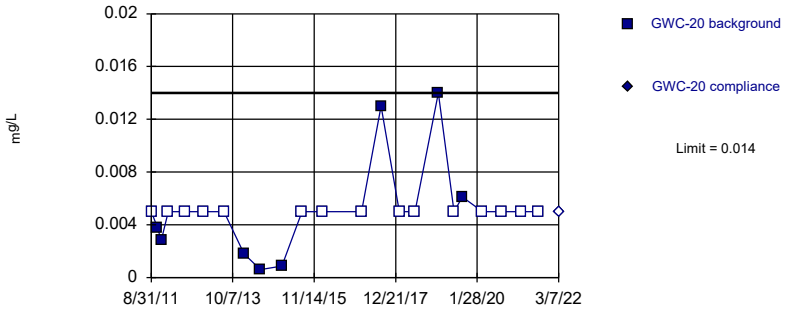
Constituent: Zinc Analysis Run 5/14/2022 1:05 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 65.22% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

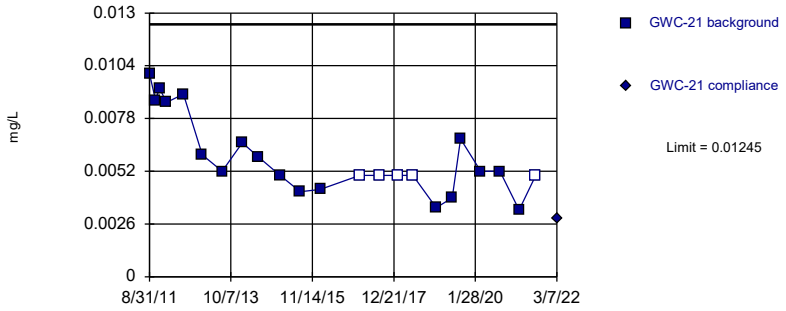
Constituent: Zinc Analysis Run 5/14/2022 1:06 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by 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=0.07306, Std. Dev.=0.01382, n=23, 21.74% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9087, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

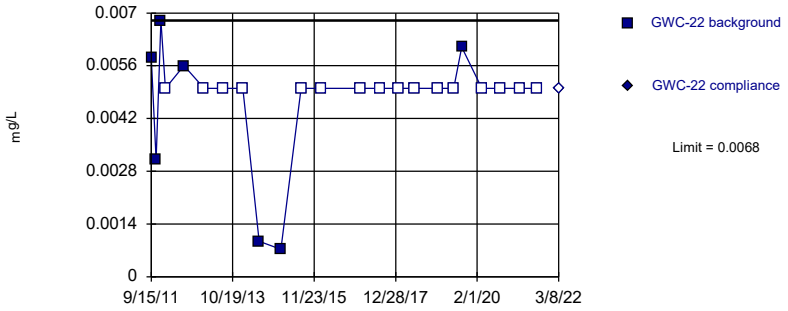
Constituent: Zinc Analysis Run 5/14/2022 1:06 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 69.57% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

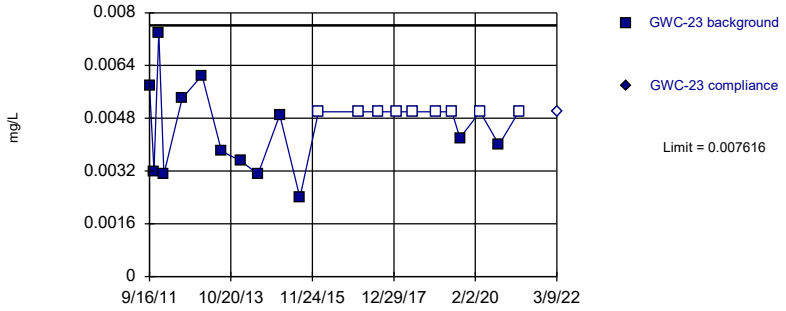
Constituent: Zinc Analysis Run 5/14/2022 1:06 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003986, Std. Dev.=0.00129, n=22, 40.91% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9266, critical = 0.878. Kappa = 2.815 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

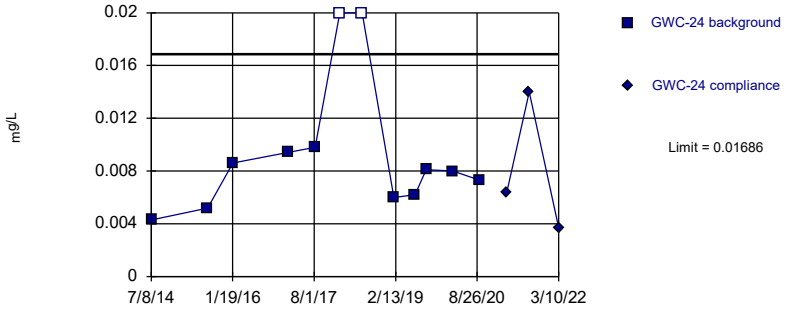
Constituent: Zinc Analysis Run 5/14/2022 1:06 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by 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=-4.952, Std. Dev.=0.2543, n=12, 16.67% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9017, critical = 0.859. Kappa = 3.418 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

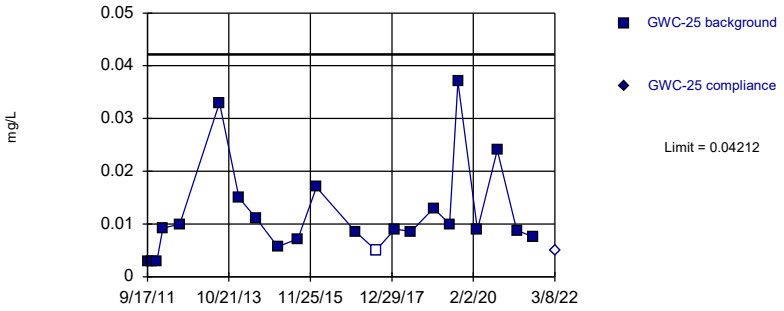
Constituent: Zinc Analysis Run 5/14/2022 1:06 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation): Mean=0.102, Std. Dev.=0.03667, n=22, 4.545% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.89, critical = 0.878. Kappa = 2.815 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

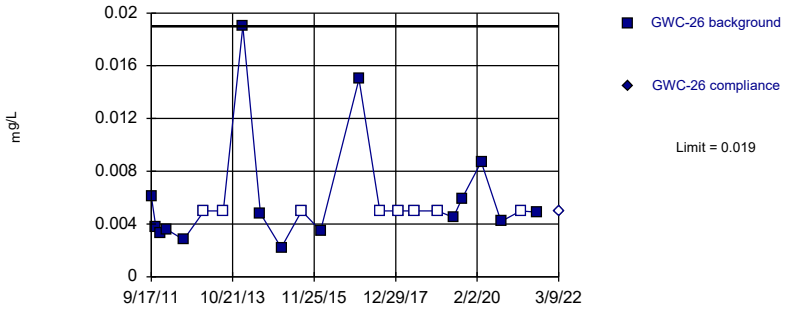
Constituent: Zinc Analysis Run 5/14/2022 1:06 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 23 background values. 34.78% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

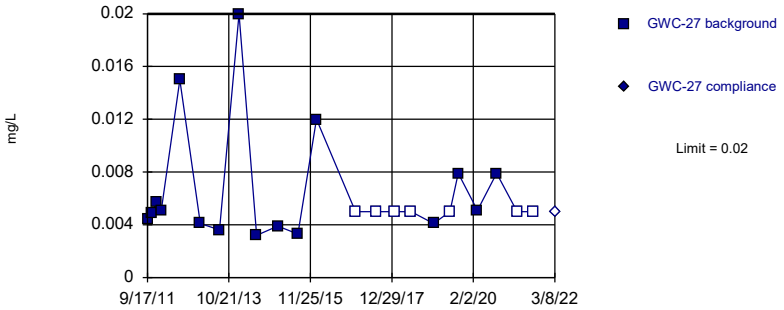
Constituent: Zinc Analysis Run 5/14/2022 1:06 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 23 background values. 30.43% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

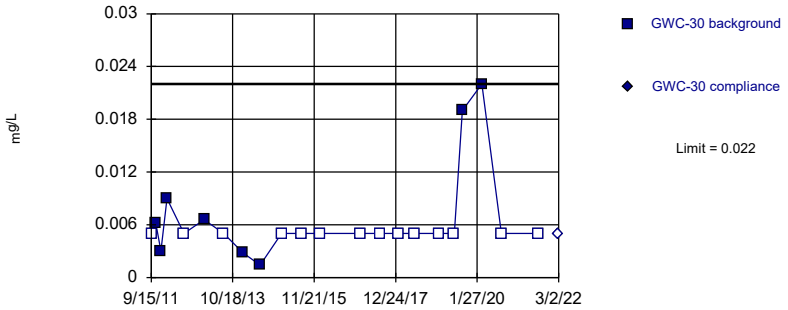
Constituent: Zinc Analysis Run 5/14/2022 1:06 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



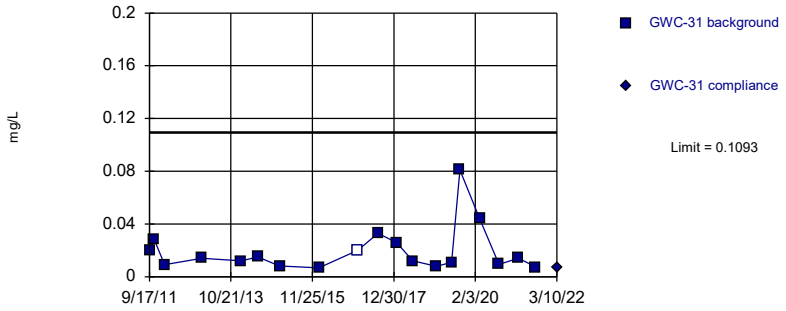
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Zinc Analysis Run 5/14/2022 1:06 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=-4.164, Std. Dev.=0.6689, n=19, 5.263% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9288, critical = 0.901. Kappa = 2.916 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

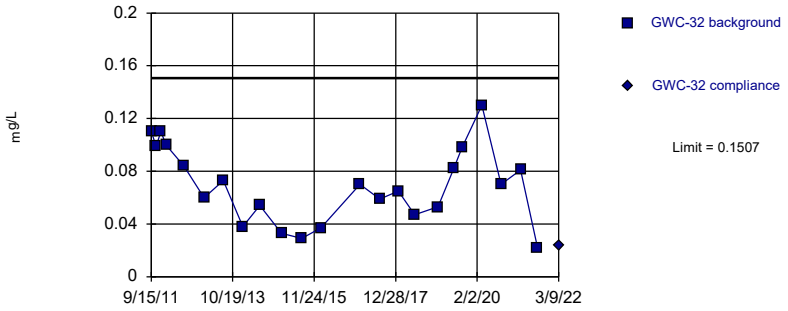
Constituent: Zinc Analysis Run 5/14/2022 1:06 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.06974, Std. Dev.=0.02906, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9756, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

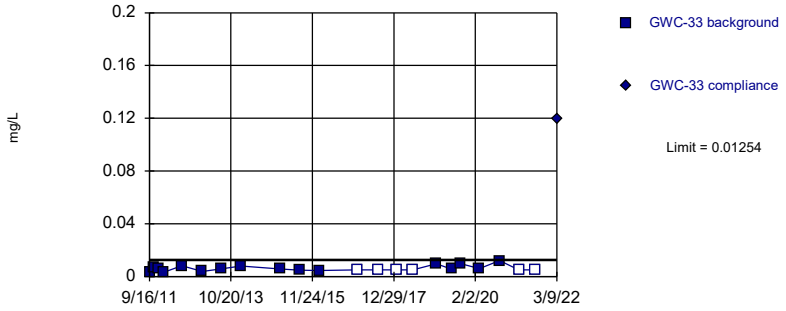
Constituent: Zinc Analysis Run 5/14/2022 1:06 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.005835, Std. Dev.=0.002382, n=22, 27.27% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8794, critical = 0.878. Kappa = 2.815 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

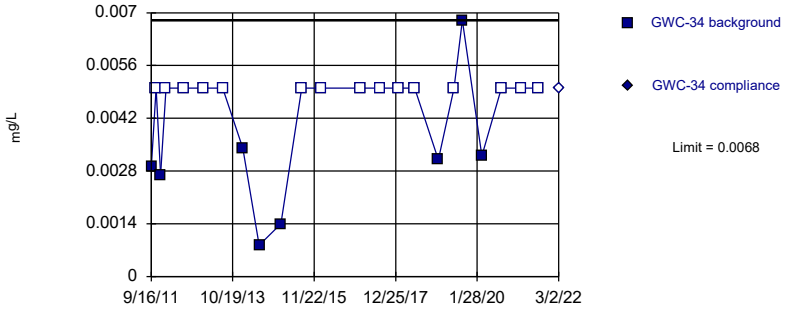
Constituent: Zinc Analysis Run 5/14/2022 1:06 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



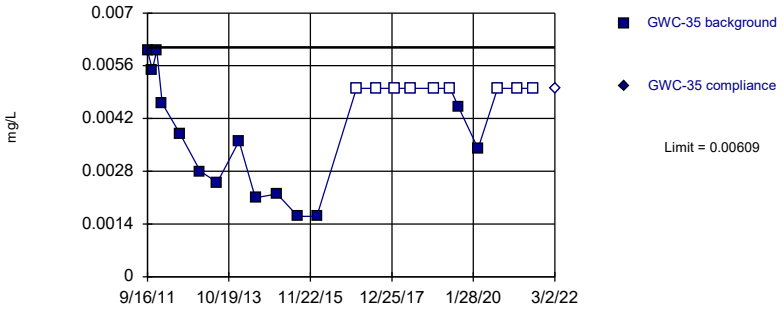
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 65.22% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc Analysis Run 5/14/2022 1:06 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Parametric



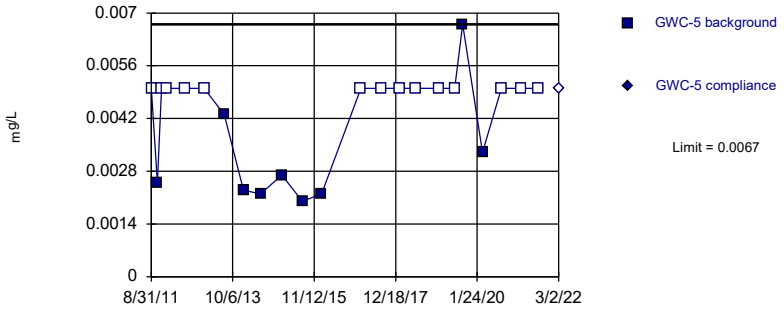
Background Data Summary (based on square transformation) (after Kaplan-Meier Adjustment): Mean=0.00001196, Std. Dev.=0.000009018, n=23, 39.13% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8958, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Zinc Analysis Run 5/14/2022 1:06 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



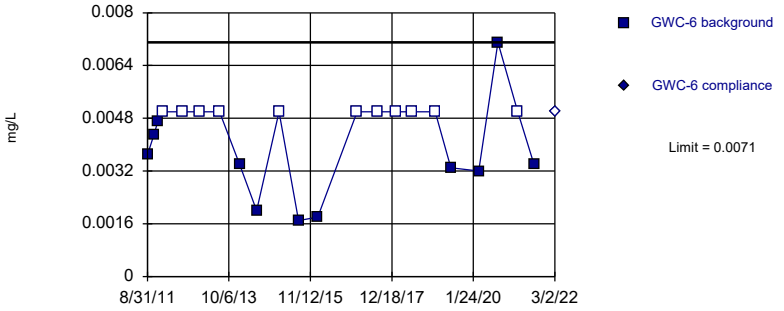
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 60.87% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc Analysis Run 5/14/2022 1:06 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



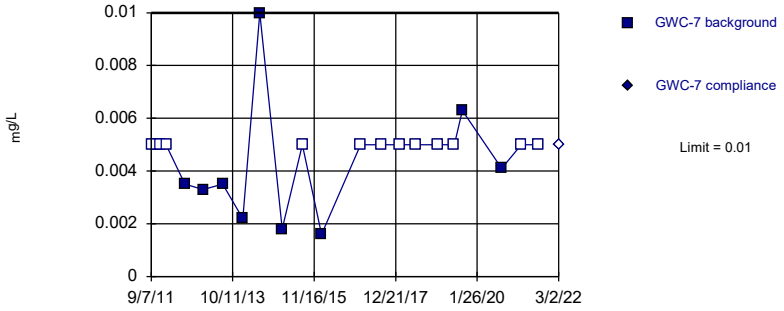
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 22 background values. 50% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Zinc Analysis Run 5/14/2022 1:06 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.
Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 59.09% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

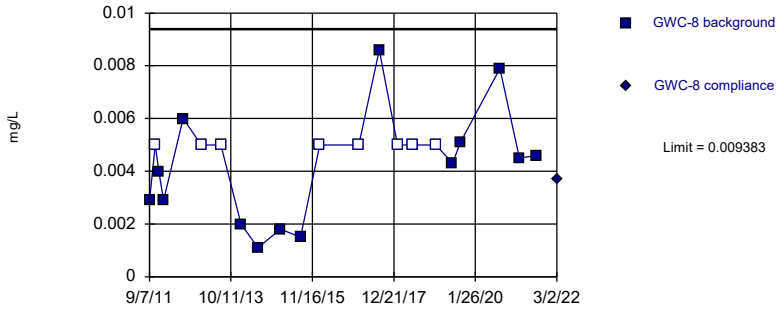
Constituent: Zinc Analysis Run 5/14/2022 1:06 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.00357, Std. Dev.=0.002065, n=22, 36.36% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9064, critical = 0.878. Kappa = 2.815 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

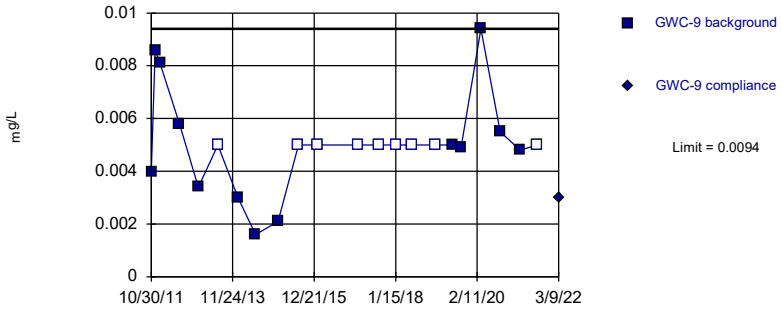
Constituent: Zinc Analysis Run 5/14/2022 1:06 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 22 background values. 40.91% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Zinc Analysis Run 5/14/2022 1:06 PM View: PLs - App I
Plant Wansley Client: Southern Company Data: Wansley Landfill

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-2	GWA-2
9/17/2011	<0.002	
10/27/2011	<0.002	
12/14/2011	<0.002	
2/7/2012	<0.002	
7/23/2012	<0.002	
1/23/2013	<0.002	
7/24/2013	<0.002	
1/22/2014	<0.002	
7/1/2014	<0.002	
1/22/2015	<0.002	
7/22/2015	<0.002	
1/20/2016	<0.002	
3/23/2016	0.00069 (J)	
5/24/2016	<0.002	
7/26/2016	0.0021 (J)	
9/16/2016	<0.002	
11/10/2016	<0.002	
1/19/2017	<0.002	
3/17/2017	<0.002	
4/28/2017	<0.002	
8/2/2017	<0.002	
1/19/2018	<0.002	
6/19/2018	<0.002	
1/17/2019	<0.002	
6/24/2019	<0.002	
9/10/2019	<0.002	
3/10/2020	<0.002	
9/10/2020	<0.002	
3/15/2021	<0.002	
8/18/2021	<0.002	
3/1/2022		<0.002

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28	GWA-28
9/16/2011	<0.002	
10/28/2011	<0.002	
12/12/2011	<0.002	
1/25/2012	<0.002	
7/16/2012	<0.002	
1/24/2013	<0.002	
7/23/2013	<0.002	
1/22/2014	<0.002	
7/1/2014	<0.002	
1/21/2015	<0.002	
7/21/2015	<0.002	
1/22/2016	<0.002	
3/22/2016	<0.002	
5/23/2016	0.00103 (J)	
7/25/2016	0.0021 (J)	
9/15/2016	0.0012 (J)	
11/9/2016	<0.002	
1/17/2017	<0.002	
3/16/2017	<0.002	
4/27/2017	<0.002	
8/1/2017	<0.002	
1/19/2018	<0.002	
6/19/2018	<0.002	
1/21/2019	<0.002	
6/25/2019	<0.002	
9/10/2019	<0.002	
3/10/2020	<0.002	
9/9/2020	<0.002	
3/15/2021	<0.002	
8/16/2021	<0.002	
3/1/2022		<0.002

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29	GWA-29
9/17/2011	<0.002	
10/28/2011	<0.002	
12/12/2011	<0.002	
1/31/2012	<0.002	
7/17/2012	<0.002	
1/24/2013	<0.002	
7/24/2013	<0.002	
1/22/2014	<0.002	
7/8/2014	<0.002 (D)	
1/21/2015	<0.002	
7/22/2015	<0.002	
1/19/2016	<0.002 (D)	
3/22/2016	0.00113 (J)	
5/19/2016	0.00103 (J)	
7/21/2016	0.0013 (J)	
1/17/2017	<0.002	
4/27/2017	<0.002	
7/18/2017	<0.002	
8/1/2017	<0.002	
1/19/2018	<0.002	
6/19/2018	<0.002	
1/18/2019	<0.002	
6/25/2019	<0.002	
9/10/2019	<0.002	
3/10/2020	<0.002	
9/9/2020	<0.002	
3/15/2021	0.00047 (J)	
8/18/2021	<0.002	
3/2/2022		<0.002

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-3	GWA-3
8/31/2011	<0.002	
6/25/2014	<0.002	
7/21/2015	<0.002	
3/31/2016	0.000602 (J)	
5/25/2016	0.000642 (J)	
7/27/2016	<0.002	
8/1/2017	<0.002	
10/3/2017	<0.002	
6/20/2018	<0.002	
1/18/2019	<0.002	
6/25/2019	<0.002	
9/11/2019	<0.002	
3/10/2020	<0.002	
9/9/2020	<0.002	
3/15/2021	<0.002	
8/18/2021	<0.002	
3/1/2022		<0.002

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-10	GWC-10
1/25/2016	<0.002	
3/30/2016	<0.002	
5/25/2016	0.000703 (J)	
7/27/2016	<0.002	
9/16/2016	<0.002	
11/17/2016	<0.002	
2/1/2017	<0.002	
3/24/2017	<0.002	
5/3/2017	<0.002	
8/8/2017	<0.002	
1/25/2018	<0.002	
6/21/2018	<0.002	
1/31/2019	0.00048 (J)	
6/26/2019	<0.002	
9/17/2019	<0.002	
3/17/2020	<0.002	
9/10/2020	<0.002	
3/18/2021	<0.002	
8/20/2021	<0.002	
3/8/2022		<0.002

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-11	GWC-11
9/13/2011	<0.002	
10/28/2011	<0.002	
12/4/2011	<0.002	
2/9/2012	<0.002	
7/18/2012	<0.002	
1/8/2013	<0.002	
7/9/2013	<0.002	
1/15/2014	0.0023 (J)	
6/25/2014	<0.002	
1/21/2015	<0.002	
7/28/2015	<0.002	
1/26/2016	<0.002	
3/29/2016	<0.002	
5/25/2016	<0.002	
7/25/2016	<0.002	
9/19/2016	<0.002	
11/16/2016	<0.002	
1/31/2017	<0.002	
3/23/2017	<0.002	
5/2/2017	<0.002	
8/7/2017	<0.002	
1/24/2018	<0.002	
6/20/2018	<0.002	
1/24/2019	<0.002	
6/26/2019	<0.002	
9/16/2019	<0.002	
3/16/2020	<0.002	
9/10/2020	<0.002	
3/17/2021	<0.002	
8/23/2021	<0.002	
3/7/2022		<0.002

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-13
9/13/2011	<0.002	
10/28/2011	<0.002	
12/4/2011	<0.002	
1/24/2012	<0.002	
7/11/2012	<0.002	
1/8/2013	<0.002	
7/10/2013	<0.002	
1/21/2014	<0.002	
7/1/2014	<0.002	
1/21/2015	<0.002	
7/28/2015	<0.002	
1/27/2016	<0.002	
3/29/2016	<0.002	
5/25/2016	<0.002	
7/26/2016	<0.002	
9/15/2016	<0.002	
11/17/2016	<0.002	
1/31/2017	<0.002	
3/23/2017	<0.002	
5/3/2017	<0.002	
8/4/2017	<0.002	
1/25/2018	<0.002	
6/20/2018	<0.002	
1/22/2019	<0.002	
6/25/2019	<0.002	
9/12/2019	<0.002	
3/12/2020	<0.002	
9/10/2020	0.00064 (J)	
3/17/2021	0.00075 (J)	
8/23/2021	<0.002	
3/8/2022		0.0011 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-18	GWC-18
8/30/2011	<0.002	
10/26/2011	<0.002	
12/3/2011	<0.002	
2/9/2012	<0.002	
7/11/2012	<0.002	
1/8/2013	<0.002	
7/16/2013	<0.002	
1/14/2014	<0.002	
6/24/2014	<0.002	
1/13/2015	<0.002	
7/23/2015	<0.002	
1/27/2016	<0.002	
3/30/2016	<0.002	
5/26/2016	<0.002	
7/25/2016	0.0022 (J)	
9/19/2016	<0.002	
11/17/2016	<0.002	
2/1/2017	<0.002	
3/24/2017	<0.002	
5/3/2017	<0.002	
8/7/2017	<0.002	
1/25/2018	<0.002	
6/21/2018	<0.002	
1/28/2019	<0.002	
6/27/2019	<0.002	
9/11/2019	<0.002	
3/17/2020	<0.002	
9/14/2020	<0.002	
3/16/2021	<0.002	
8/24/2021	<0.002	
3/8/2022		<0.002

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-22
9/15/2011	<0.002	
10/29/2011	<0.002	
12/13/2011	<0.002	
1/25/2012	<0.002	
7/18/2012	<0.002	
1/22/2013	<0.002	
7/16/2013	<0.002	
1/21/2014	<0.002	
6/25/2014	<0.002	
1/14/2015	<0.002	
7/23/2015	<0.002	
1/26/2016	<0.002	
3/31/2016	<0.002	
5/26/2016	<0.002	
7/26/2016	0.001 (J)	
9/20/2016	<0.002	
11/17/2016	<0.002	
2/3/2017	<0.002	
3/28/2017	<0.002	
5/3/2017	<0.002	
8/8/2017	<0.002	
1/25/2018	<0.002	
6/20/2018	<0.002	
1/24/2019	<0.002	
6/25/2019	<0.002	
9/10/2019	<0.002	
3/18/2020	<0.002	
9/10/2020	<0.002	
3/15/2021	<0.002	
8/19/2021	<0.002	
3/8/2022		<0.002

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-23	GWC-23
9/16/2011	<0.002	
10/29/2011	<0.002	
12/13/2011	<0.002	
1/31/2012	<0.002	
7/18/2012	<0.002	
1/22/2013	<0.002	
7/23/2013	<0.002	
1/22/2014	<0.002	
7/1/2014	<0.002	
1/22/2015	<0.002	
7/29/2015	<0.002	
1/21/2016	<0.002	
3/29/2016	0.000665 (J)	
5/25/2016	<0.002	
7/27/2016	<0.002	
9/20/2016	<0.002	
11/18/2016	<0.002	
2/3/2017	<0.002	
3/28/2017	<0.002	
5/4/2017	<0.002	
8/8/2017	<0.002	
1/25/2018	<0.002	
6/20/2018	<0.002	
1/25/2019	<0.002	
6/26/2019	<0.002	
9/12/2019	<0.002	
3/18/2020	<0.002	
9/10/2020	<0.002	
3/18/2021	<0.002	
8/23/2021	<0.002	
3/9/2022		<0.002

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-24	GWC-24
7/8/2014	<0.002	
7/31/2015	<0.002	
1/20/2016	<0.002	
3/30/2016	0.00174 (J)	
5/25/2016	0.00163 (J)	
7/27/2016	0.0019 (J)	
9/16/2016	0.002 (J)	
11/18/2016	0.0011 (J)	
2/3/2017	<0.002	
3/29/2017	<0.002	
5/4/2017	<0.002	
8/8/2017	<0.002	
1/25/2018	<0.002	
6/27/2018	<0.002	
1/31/2019	0.00048 (J)	
6/26/2019	<0.002	
9/11/2019	<0.002	
3/12/2020	<0.002	
9/15/2020	<0.002	
3/18/2021	<0.002	
8/19/2021	<0.002	
3/10/2022		<0.002

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-25	GWC-25
9/17/2011	<0.002	
10/31/2011	<0.002	
12/14/2011	<0.002	
2/7/2012	<0.002	
7/17/2012	<0.002	
7/24/2013	<0.002	
1/23/2014	<0.002	
7/8/2014	<0.002	
1/21/2015	<0.002	
7/30/2015	<0.002	
1/21/2016	<0.002	
3/28/2016	<0.002	
5/25/2016	0.00151 (J)	
7/27/2016	<0.002	
9/19/2016	<0.002	
11/15/2016	<0.002	
1/24/2017	<0.002	
3/23/2017	<0.002	
5/2/2017	<0.002	
8/3/2017	<0.002	
1/25/2018	<0.002	
6/27/2018	<0.002	
1/24/2019	<0.002	
6/25/2019	<0.002	
9/11/2019	<0.002	
3/12/2020	<0.002	
9/14/2020	<0.002	
3/17/2021	<0.002	
8/19/2021	<0.002	
3/8/2022		<0.002

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-26	GWC-26
9/17/2011	<0.002	
10/29/2011	<0.002	
12/14/2011	<0.002	
2/7/2012	<0.002	
7/17/2012	<0.002	
1/24/2013	<0.002	
7/24/2013	<0.002	
1/23/2014	<0.002	
7/8/2014	<0.002	
1/21/2015	<0.002	
7/31/2015	<0.002	
1/25/2016	<0.002	
3/24/2016	0.000653 (J)	
5/25/2016	0.000943 (J)	
7/26/2016	<0.002	
9/19/2016	<0.002	
11/14/2016	<0.002	
1/19/2017	<0.002	
3/16/2017	<0.002	
5/1/2017	<0.002	
8/3/2017	<0.002	
1/22/2018	<0.002	
6/27/2018	<0.002	
1/24/2019	<0.002	
6/25/2019	<0.002	
9/12/2019	<0.002	
3/13/2020	<0.002	
9/15/2020	<0.002	
3/17/2021	<0.002	
8/19/2021	<0.002	
3/9/2022		<0.002

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-27	GWC-27
9/17/2011	<0.002	
10/29/2011	<0.002	
12/14/2011	<0.002	
1/25/2012	<0.002	
7/17/2012	<0.002	
1/24/2013	<0.002	
7/24/2013	<0.002	
1/23/2014	<0.002	
7/8/2014	<0.002	
1/21/2015	<0.002	
7/30/2015	<0.002	
1/22/2016	<0.002	
3/23/2016	<0.002	
5/24/2016	<0.002	
7/26/2016	0.0013 (J)	
9/19/2016	<0.002	
11/11/2016	<0.002	
1/20/2017	0.0014 (J)	
3/16/2017	<0.002	
4/28/2017	<0.002	
8/3/2017	<0.002	
1/19/2018	<0.002	
6/27/2018	<0.002	
1/24/2019	<0.002	
6/26/2019	<0.002	
9/12/2019	<0.002	
3/12/2020	<0.002	
9/9/2020	<0.002	
3/18/2021	<0.002	
8/23/2021	<0.002	
3/8/2022		0.00064 (J)

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-30	GWC-30
9/15/2011	<0.002	
10/28/2011	<0.002	
12/13/2011	<0.002	
2/8/2012	<0.002	
7/18/2012	<0.002	
1/24/2013	<0.002	
7/24/2013	<0.002	
1/23/2014	0.0014 (J)	
7/1/2014	<0.002	
1/20/2015	<0.002	
7/30/2015	<0.002	
1/19/2016	<0.002	
3/23/2016	<0.002	
5/20/2016	<0.002	
7/21/2016	<0.002	
9/20/2016	0.0012 (J)	
11/14/2016	<0.002	
1/24/2017	<0.002	
3/17/2017	<0.002	
5/1/2017	<0.002	
8/4/2017	<0.002	
1/24/2018	<0.002	
6/21/2018	<0.002	
1/30/2019	0.0004 (J)	
6/27/2019	<0.002	
9/10/2019	<0.002	
3/11/2020	<0.002	
9/10/2020	<0.002	
3/18/2021	<0.002	
8/23/2021	<0.002	
3/2/2022		<0.002

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-31	GWC-31
9/17/2011	<0.002	
10/31/2011	<0.002	
2/7/2012	<0.002	
1/23/2013	<0.002	
1/23/2014	<0.002	
7/1/2014	<0.002	
1/21/2015	<0.002	
1/25/2016	<0.002	
3/30/2016	<0.002	
5/25/2016	0.00129 (J)	
7/27/2016	0.0027	
1/25/2017	<0.002	
3/23/2017	<0.002	
5/2/2017	<0.002	
7/19/2017	<0.002	
8/4/2017	<0.002	
1/23/2018	<0.002	
6/27/2018	<0.002	
1/31/2019	0.00042 (J)	
6/26/2019	<0.002	
9/11/2019	<0.002	
3/17/2020	<0.002	
9/11/2020	<0.002	
3/16/2021	<0.002	
8/25/2021	<0.002	
3/10/2022		<0.002

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-32	GWC-32
9/15/2011	<0.002	
10/31/2011	<0.002	
12/13/2011	<0.002	
2/1/2012	<0.002	
7/17/2012	<0.002	
1/23/2013	<0.002	
7/24/2013	<0.002	
1/23/2014	<0.002	
7/1/2014	<0.002	
1/20/2015	<0.002	
7/30/2015	<0.002	
1/25/2016	<0.002	
3/23/2016	<0.002	
5/24/2016	<0.002	
7/22/2016	<0.002	
9/16/2016	<0.002	
11/15/2016	<0.002	
1/26/2017	<0.002	
3/24/2017	<0.002	
5/2/2017	<0.002	
8/3/2017	<0.002	
1/23/2018	<0.002	
6/26/2018	<0.002	
1/30/2019	0.00039 (J)	
6/27/2019	<0.002	
9/12/2019	<0.002	
3/18/2020	<0.002	
9/15/2020	<0.002	
3/17/2021	<0.002	
8/24/2021	<0.002	
3/9/2022		<0.002

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-33
9/16/2011	<0.002	
10/30/2011	<0.002	
12/13/2011	<0.002	
2/1/2012	<0.002	
7/17/2012	<0.002	
1/23/2013	<0.002	
7/17/2013	<0.002	
1/23/2014	<0.002	
1/20/2015	<0.002	
7/29/2015	<0.002	
1/25/2016	<0.002	
3/23/2016	<0.002	
5/24/2016	<0.002	
7/22/2016	<0.002	
9/16/2016	<0.002	
11/17/2016	<0.002	
1/25/2017	<0.002	
3/23/2017	<0.002	
5/1/2017	<0.002	
8/4/2017	<0.002	
1/23/2018	<0.002	
6/26/2018	<0.002	
1/30/2019	0.00055 (J)	
6/26/2019	<0.002	
9/12/2019	<0.002	
3/12/2020	<0.002	
9/16/2020	<0.002	
3/18/2021	<0.002	
8/24/2021	<0.002	
3/9/2022		<0.002

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-5	GWC-5
8/31/2011	<0.002	
10/27/2011	<0.002	
12/5/2011	<0.002	
1/25/2012	<0.002	
7/18/2012	<0.002	
1/9/2013	<0.002	
7/17/2013	<0.002	
1/15/2014	<0.002	
6/25/2014	<0.002	
1/13/2015	<0.002	
7/24/2015	<0.002	
1/20/2016	0.0024 (J)	
3/28/2016	<0.002	
5/23/2016	<0.002	
7/21/2016	<0.002	
9/15/2016	<0.002	
11/15/2016	<0.002	
1/26/2017	<0.002	
3/22/2017	<0.002	
5/2/2017	<0.002	
8/3/2017	<0.002	
1/23/2018	<0.002	
6/25/2018	<0.002	
1/30/2019	0.0004 (J)	
6/26/2019	<0.002	
9/12/2019	<0.002	
3/16/2020	<0.002	
9/9/2020	<0.002	
3/17/2021	<0.002	
8/19/2021	<0.002	
3/2/2022		<0.002

Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-6	GWC-6
8/31/2011	<0.002	
10/30/2011	<0.002	
12/5/2011	<0.002	
1/25/2012	<0.002	
7/24/2012	<0.002	
1/8/2013	<0.002	
7/9/2013	<0.002	
1/15/2014	<0.002	
6/25/2014	<0.002	
1/20/2015	<0.002	
7/24/2015	<0.002	
1/20/2016	<0.002	
3/28/2016	<0.002	
5/24/2016	<0.002	
7/21/2016	<0.002	
9/15/2016	<0.002	
11/16/2016	<0.002	
1/26/2017	<0.002	
3/22/2017	<0.002	
5/2/2017	<0.002	
8/3/2017	<0.002	
1/23/2018	<0.002	
6/25/2018	<0.002	
1/30/2019	0.00039 (J)	
6/26/2019	<0.002	
9/12/2019	<0.002	
3/16/2020	<0.002	
9/11/2020	<0.002	
3/17/2021	<0.002	
8/18/2021	<0.002	
3/2/2022		<0.002

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1	GWA-1
9/16/2011	<0.001	
10/27/2011	<0.001	
12/13/2011	<0.001	
1/31/2012	<0.001	
7/18/2012	<0.001	
1/24/2013	<0.001	
7/17/2013	<0.001	
1/21/2014	<0.001	
6/25/2014	<0.001	
1/14/2015	<0.001	
7/21/2015	<0.001	
1/21/2016	<0.001	
3/23/2016	<0.001	
5/20/2016	<0.001	
7/21/2016	<0.001	
9/15/2016	<0.001	
11/11/2016	<0.001	
1/19/2017	<0.001	
3/16/2017	<0.001	
4/28/2017	<0.001	
8/3/2017	<0.001	
1/19/2018	<0.001	
6/19/2018	<0.001	
1/17/2019	<0.001	
6/24/2019	0.00054 (J)	
9/9/2019	<0.001	
3/10/2020	<0.001	
9/9/2020	<0.001	
3/15/2021	<0.001	
8/16/2021	<0.001	
2/28/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-2	GWA-2
9/17/2011	<0.001	
10/27/2011	<0.001	
12/14/2011	<0.001	
2/7/2012	<0.001	
7/23/2012	<0.001	
1/23/2013	<0.001	
7/24/2013	<0.001	
1/22/2014	<0.001	
7/1/2014	<0.001	
1/22/2015	<0.001	
7/22/2015	<0.001	
1/20/2016	<0.001	
3/23/2016	<0.001	
5/24/2016	<0.001	
7/26/2016	<0.001	
9/16/2016	<0.001	
11/10/2016	<0.001	
1/19/2017	<0.001	
3/17/2017	<0.001	
4/28/2017	<0.001	
8/2/2017	<0.001	
1/19/2018	<0.001	
6/19/2018	<0.001	
1/17/2019	<0.001	
6/24/2019	0.00043 (J)	
9/10/2019	<0.001	
3/10/2020	<0.001	
9/10/2020	<0.001	
3/15/2021	<0.001	
8/18/2021	<0.001	
3/1/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28	GWA-28
9/16/2011	<0.001	
10/28/2011	<0.001	
12/12/2011	<0.001	
1/25/2012	<0.001	
7/16/2012	<0.001	
1/24/2013	<0.001	
7/23/2013	<0.001	
1/22/2014	<0.001	
7/1/2014	<0.001	
1/21/2015	<0.001	
7/21/2015	<0.001	
1/22/2016	<0.001	
3/22/2016	<0.001	
5/23/2016	<0.001	
7/25/2016	<0.001	
9/15/2016	<0.001	
11/9/2016	<0.001	
1/17/2017	<0.001	
3/16/2017	<0.001	
4/27/2017	<0.001	
8/1/2017	<0.001	
1/19/2018	<0.001	
6/19/2018	0.00078 (J)	
1/21/2019	<0.001	
6/25/2019	<0.001	
9/10/2019	<0.001	
3/10/2020	<0.001	
9/9/2020	<0.001	
3/15/2021	<0.001	
8/16/2021	<0.001	
3/1/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29	GWA-29
9/17/2011	<0.001	
10/28/2011	<0.001	
12/12/2011	<0.001	
1/31/2012	<0.001	
7/17/2012	<0.001	
1/24/2013	<0.001	
7/24/2013	<0.001	
1/22/2014	<0.001	
7/8/2014	<0.001 (D)	
1/21/2015	<0.001	
7/22/2015	<0.001	
1/19/2016	<0.001 (D)	
3/22/2016	<0.001	
5/19/2016	<0.001	
7/21/2016	<0.001	
1/17/2017	<0.001	
4/27/2017	0.00064 (J)	
7/18/2017	<0.001	
8/1/2017	<0.001	
1/19/2018	<0.001	
6/19/2018	0.00095 (J)	
1/18/2019	<0.001	
6/25/2019	<0.001	
9/10/2019	<0.001	
3/10/2020	<0.001	
9/9/2020	<0.001	
3/15/2021	<0.001	
8/18/2021	<0.001	
3/2/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-3	GWA-3
8/31/2011	<0.001	
6/25/2014	<0.001	
7/21/2015	<0.001	
3/31/2016	<0.001	
5/25/2016	<0.001	
7/27/2016	<0.001	
8/1/2017	<0.001	
10/3/2017	<0.001	
6/20/2018	0.001 (J)	
1/18/2019	<0.001	
6/25/2019	<0.001	
9/11/2019	<0.001	
3/10/2020	<0.001	
9/9/2020	<0.001	
3/15/2021	<0.001	
8/18/2021	<0.001	
3/1/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-4	GWA-4
8/31/2011	<0.001	
10/27/2011	<0.001	
12/14/2011	<0.001	
2/1/2012	<0.001	
7/23/2012	<0.001	
1/23/2013	<0.001	
7/17/2013	<0.001	
1/15/2014	<0.001	
6/25/2014	<0.001	
1/14/2015	<0.001	
7/21/2015	<0.001	
1/20/2016	<0.001	
3/23/2016	<0.001	
5/19/2016	<0.001	
7/21/2016	0.00062 (J)	
9/14/2016	<0.001	
11/10/2016	<0.001	
1/17/2017	<0.001	
3/16/2017	<0.001	
4/27/2017	<0.001	
8/2/2017	<0.001	
1/22/2018	0.00068 (J)	
6/19/2018	0.0011 (J)	
1/17/2019	<0.001	
6/24/2019	0.00032 (J)	
9/10/2019	<0.001	
3/10/2020	<0.001	
9/9/2020	<0.001	
3/15/2021	<0.001	
8/18/2021	<0.001	
3/1/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-11	GWC-11
9/13/2011	<0.005	
10/28/2011	<0.005	
12/4/2011	<0.005	
2/9/2012	<0.005	
7/18/2012	<0.005	
1/8/2013	<0.005	
7/9/2013	<0.005	
1/15/2014	<0.005	
6/25/2014	<0.005	
1/21/2015	<0.005	
7/28/2015	<0.005	
1/26/2016	<0.005	
3/29/2016	0.00165 (J)	
5/25/2016	0.00191 (J)	
7/25/2016	0.0016	
9/19/2016	0.0021	
11/16/2016	0.0012 (J)	
1/31/2017	0.001 (J)	
3/23/2017	0.00076 (J)	
5/2/2017	0.0012 (J)	
8/7/2017	0.0018	
1/24/2018	0.0011 (J)	
6/20/2018	0.002	
1/24/2019	0.00065 (J)	
6/26/2019	0.0015	
9/16/2019	0.0018	
3/16/2020	0.0009 (J)	
9/10/2020	0.0014	
3/17/2021	0.0012	
8/23/2021	0.0014	
3/7/2022		0.00088 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-12	GWC-12
9/13/2011	<0.001	
10/28/2011	<0.001	
12/4/2011	<0.001	
1/24/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/10/2013	<0.001	
1/21/2014	<0.001	
7/1/2014	<0.001	
1/21/2015	<0.001	
7/28/2015	<0.001	
1/26/2016	<0.001	
3/29/2016	<0.001	
5/25/2016	<0.001	
7/22/2016	0.00047 (J)	
9/15/2016	<0.001	
11/16/2016	<0.001	
1/31/2017	<0.001	
3/23/2017	<0.001	
5/3/2017	0.0024 (O)	
8/7/2017	<0.001	
1/24/2018	<0.001	
6/26/2018	<0.001	
1/25/2019	<0.001	
6/26/2019	<0.001	
9/11/2019	0.00036 (J)	
3/18/2020	0.00061 (J)	
9/10/2020	<0.001	
3/16/2021	0.00041 (J)	
8/19/2021	<0.001	
3/7/2022		0.0005 (J)

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-13
9/13/2011	<0.001	
10/28/2011	<0.001	
12/4/2011	<0.001	
1/24/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/10/2013	<0.001	
1/21/2014	<0.001	
7/1/2014	<0.001	
1/21/2015	<0.001	
7/28/2015	<0.001	
1/27/2016	<0.001	
3/29/2016	<0.001	
5/25/2016	<0.001	
7/26/2016	<0.001	
9/15/2016	<0.001	
11/17/2016	<0.001	
1/31/2017	<0.001	
3/23/2017	0.00067 (J)	
5/3/2017	<0.001	
8/4/2017	<0.001	
1/25/2018	<0.001	
6/20/2018	0.0012 (J)	
1/22/2019	<0.001	
6/25/2019	<0.001	
9/12/2019	<0.001	
3/12/2020	<0.001	
9/10/2020	<0.001	
3/17/2021	<0.001	
8/23/2021	<0.001	
3/8/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-14	GWC-14
9/13/2011	<0.001	
10/27/2011	<0.001	
12/3/2011	<0.001	
1/24/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/10/2013	<0.001	
1/21/2014	<0.001	
7/1/2014	<0.001	
1/14/2015	<0.001	
7/22/2015	<0.001	
1/27/2016	<0.001	
3/30/2016	<0.001	
5/25/2016	<0.001	
7/26/2016	0.00096 (J)	
9/15/2016	<0.001	
11/17/2016	<0.001	
2/1/2017	<0.001	
3/23/2017	<0.001	
5/3/2017	<0.001	
8/7/2017	<0.001	
1/25/2018	<0.001	
6/20/2018	<0.001	
1/22/2019	0.00041 (J)	
6/25/2019	0.00048 (J)	
9/12/2019	<0.001	
3/17/2020	0.00031 (J)	
9/10/2020	<0.001	
3/17/2021	<0.001	
8/23/2021	<0.001	
3/7/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-16	GWC-16
8/30/2011	<0.001	
10/26/2011	<0.001	
12/3/2011	<0.001	
1/25/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/2/2013	<0.001	
1/14/2014	<0.001	
6/25/2014	<0.001	
1/13/2015	<0.001	
7/22/2015	<0.001	
1/27/2016	<0.001	
3/30/2016	<0.001	
5/25/2016	<0.001	
7/27/2016	<0.001	
9/16/2016	<0.001	
11/17/2016	<0.001	
2/1/2017	<0.001	
3/24/2017	<0.001	
5/3/2017	<0.001	
8/7/2017	<0.001	
1/25/2018	<0.001	
6/20/2018	0.00084 (J)	
1/25/2019	<0.001	
6/25/2019	<0.001	
9/11/2019	<0.001	
3/17/2020	<0.001	
9/11/2020	<0.001	
3/17/2021	<0.001	
8/20/2021	<0.001	
3/8/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-17	GWC-17
8/30/2011	<0.001	
10/26/2011	<0.001	
12/3/2011	<0.001	
1/25/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/16/2013	<0.001	
1/14/2014	<0.001	
6/25/2014	<0.001	
1/14/2015	<0.001	
7/28/2015	<0.001	
1/27/2016	<0.001	
3/30/2016	<0.001	
5/25/2016	<0.001	
7/27/2016	<0.001	
9/19/2016	<0.001	
11/17/2016	<0.001	
2/1/2017	<0.001	
3/24/2017	<0.001	
5/3/2017	<0.001	
8/7/2017	<0.001	
1/25/2018	<0.001	
6/26/2018	<0.001	
1/24/2019	<0.001	
6/25/2019	0.00038 (J)	
9/11/2019	<0.001	
3/17/2020	<0.001	
9/14/2020	<0.001	
3/16/2021	<0.001	
8/20/2021	<0.001	
3/8/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-18	GWC-18
8/30/2011	<0.001	
10/26/2011	<0.001	
12/3/2011	<0.001	
2/9/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/16/2013	<0.001	
1/14/2014	<0.001	
6/24/2014	<0.001	
1/13/2015	<0.001	
7/23/2015	<0.001	
1/27/2016	<0.001	
3/30/2016	<0.001	
5/26/2016	<0.001	
7/25/2016	0.00056 (J)	
9/19/2016	<0.001	
11/17/2016	<0.001	
2/1/2017	<0.001	
3/24/2017	<0.001	
5/3/2017	<0.001	
8/7/2017	<0.001	
1/25/2018	<0.001	
6/21/2018	0.001 (J)	
1/28/2019	<0.001	
6/27/2019	<0.001	
9/11/2019	<0.001	
3/17/2020	<0.001	
9/14/2020	<0.001	
3/16/2021	<0.001	
8/24/2021	<0.001	
3/8/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-19	GWC-19
8/30/2011	<0.001	
10/26/2011	<0.001	
12/3/2011	<0.001	
2/8/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/16/2013	<0.001	
1/21/2014	<0.001	
6/24/2014	<0.001	
1/13/2015	<0.001	
7/23/2015	<0.001	
1/27/2016	<0.001	
3/30/2016	<0.001	
5/26/2016	<0.001	
7/25/2016	<0.001	
9/19/2016	<0.001	
11/17/2016	<0.001	
2/2/2017	<0.001	
3/24/2017	<0.001	
5/3/2017	<0.001	
8/7/2017	<0.001	
1/25/2018	<0.001	
6/21/2018	0.0013	
1/28/2019	<0.001	
6/26/2019	<0.001	
9/12/2019	<0.001	
3/18/2020	<0.001	
9/15/2020	<0.001	
3/17/2021	0.00031 (J)	
8/24/2021	<0.001	
3/8/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-20	GWC-20
8/31/2011	<0.001	
10/27/2011	<0.001	
12/4/2011	<0.001	
2/8/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/16/2013	<0.001	
1/21/2014	<0.001	
6/24/2014	<0.001	
1/13/2015	<0.001	
7/23/2015	<0.001	
1/27/2016	<0.001	
3/30/2016	<0.001	
5/26/2016	<0.001	
7/25/2016	<0.001	
9/20/2016	<0.001	
11/17/2016	<0.001	
2/2/2017	<0.001	
3/28/2017	<0.001	
5/4/2017	<0.001	
8/7/2017	<0.001	
1/26/2018	<0.001	
6/21/2018	0.00049 (J)	
1/28/2019	<0.001	
6/25/2019	<0.001	
9/11/2019	<0.001	
3/18/2020	<0.001	
9/15/2020	<0.001	
3/16/2021	0.00039 (J)	
8/24/2021	<0.001	
3/7/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-21	GWC-21
8/31/2011	<0.001	
10/27/2011	<0.001	
12/4/2011	<0.001	
2/8/2012	<0.001	
7/17/2012	<0.001	
1/9/2013	<0.001	
7/16/2013	<0.001	
1/21/2014	<0.001	
6/24/2014	<0.001	
1/13/2015	<0.001	
7/23/2015	<0.001	
1/26/2016	<0.001	
3/30/2016	<0.001	
5/26/2016	<0.001	
7/26/2016	<0.001	
9/20/2016	<0.001	
11/17/2016	<0.001	
2/2/2017	<0.001	
3/28/2017	<0.001	
5/4/2017	<0.001	
8/7/2017	<0.001	
1/26/2018	<0.001	
6/20/2018	<0.001	
1/24/2019	<0.001	
6/25/2019	0.00037 (J)	
9/11/2019	0.00047 (J)	
3/18/2020	<0.001	
9/15/2020	<0.001	
3/16/2021	<0.001	
8/19/2021	<0.001	
3/7/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-22
9/15/2011	<0.001	
10/29/2011	<0.001	
12/13/2011	<0.001	
1/25/2012	<0.001	
7/18/2012	<0.001	
1/22/2013	<0.001	
7/16/2013	<0.001	
1/21/2014	<0.001	
6/25/2014	<0.001	
1/14/2015	<0.001	
7/23/2015	<0.001	
1/26/2016	<0.001	
3/31/2016	<0.001	
5/26/2016	<0.001	
7/26/2016	<0.001	
9/20/2016	<0.001	
11/17/2016	<0.001	
2/3/2017	<0.001	
3/28/2017	<0.001	
5/3/2017	<0.001	
8/8/2017	<0.001	
1/25/2018	<0.001	
6/20/2018	0.00073 (J)	
1/24/2019	<0.001	
6/25/2019	<0.001	
9/10/2019	<0.001	
3/18/2020	0.00058 (J)	
9/10/2020	<0.001	
3/15/2021	<0.001	
8/19/2021	<0.001	
3/8/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-23	GWC-23
9/16/2011	<0.001	
10/29/2011	<0.001	
12/13/2011	<0.001	
1/31/2012	<0.001	
7/18/2012	<0.001	
1/22/2013	<0.001	
7/23/2013	<0.001	
1/22/2014	<0.001	
7/1/2014	<0.001	
1/22/2015	<0.001	
7/29/2015	<0.001	
1/21/2016	<0.001	
3/29/2016	<0.001	
5/25/2016	<0.001	
7/27/2016	<0.001	
9/20/2016	<0.001	
11/18/2016	<0.001	
2/3/2017	<0.001	
3/28/2017	<0.001	
5/4/2017	<0.001	
8/8/2017	<0.001	
1/25/2018	<0.001	
6/20/2018	0.00086 (J)	
1/25/2019	<0.001	
6/26/2019	<0.001	
9/12/2019	<0.001	
3/18/2020	<0.001	
9/10/2020	<0.001	
3/18/2021	0.00038 (J)	
8/23/2021	<0.001	
3/9/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-24	GWC-24
7/8/2014	<0.001	
7/31/2015	<0.001	
1/20/2016	<0.001	
3/30/2016	<0.001	
5/25/2016	<0.001	
7/27/2016	<0.001	
9/16/2016	<0.001	
11/18/2016	0.00055 (J)	
2/3/2017	<0.001	
3/29/2017	<0.001	
5/4/2017	<0.001	
8/8/2017	<0.001	
1/25/2018	<0.001	
6/27/2018	<0.001	
1/31/2019	<0.001	
6/26/2019	<0.001	
9/11/2019	<0.001	
3/12/2020	<0.001	
9/15/2020	<0.001	
3/18/2021	<0.001	
8/19/2021	<0.001	
3/10/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-25	GWC-25
9/17/2011	<0.001	
10/31/2011	<0.001	
12/14/2011	<0.001	
2/7/2012	<0.001	
7/17/2012	<0.001	
7/24/2013	<0.001	
1/23/2014	<0.001	
7/8/2014	<0.001	
1/21/2015	<0.001	
7/30/2015	<0.001	
1/21/2016	<0.001	
3/28/2016	<0.001	
5/25/2016	<0.001	
7/27/2016	<0.001	
9/19/2016	<0.001	
11/15/2016	<0.001	
1/24/2017	0.00061 (J)	
3/23/2017	<0.001	
5/2/2017	0.00085 (J)	
8/3/2017	<0.001	
1/25/2018	<0.001	
6/27/2018	<0.001	
1/24/2019	<0.001	
6/25/2019	<0.001	
9/11/2019	0.00041 (J)	
3/12/2020	<0.001	
9/14/2020	<0.001	
3/17/2021	<0.001	
8/19/2021	<0.001	
3/8/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-26	GWC-26
9/17/2011	<0.001	
10/29/2011	<0.001	
12/14/2011	<0.001	
2/7/2012	<0.001	
7/17/2012	<0.001	
1/24/2013	<0.001	
7/24/2013	<0.001	
1/23/2014	<0.001	
7/8/2014	<0.001	
1/21/2015	<0.001	
7/31/2015	<0.001	
1/25/2016	<0.001	
3/24/2016	<0.001	
5/25/2016	<0.001	
7/26/2016	<0.001	
9/19/2016	<0.001	
11/14/2016	<0.001	
1/19/2017	<0.001	
3/16/2017	<0.001	
5/1/2017	<0.001	
8/3/2017	<0.001	
1/22/2018	0.00054 (J)	
6/27/2018	<0.001	
1/24/2019	<0.001	
6/25/2019	<0.001	
9/12/2019	<0.001	
3/13/2020	<0.001	
9/15/2020	<0.001	
3/17/2021	<0.001	
8/19/2021	<0.001	
3/9/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-31	GWC-31
9/17/2011	<0.001	
10/31/2011	<0.001	
2/7/2012	<0.001	
1/23/2013	<0.001	
1/23/2014	<0.001	
7/1/2014	<0.001	
1/21/2015	<0.001	
1/25/2016	<0.001	
3/30/2016	<0.001	
5/25/2016	<0.001	
7/27/2016	0.00055 (J)	
1/25/2017	<0.001	
3/23/2017	<0.001	
5/2/2017	<0.001	
7/19/2017	0.00055 (J)	
8/4/2017	<0.001	
1/23/2018	0.0012 (J)	
6/27/2018	<0.001	
1/31/2019	<0.001	
6/26/2019	<0.001	
9/11/2019	0.00032 (J)	
3/17/2020	<0.001	
9/11/2020	<0.001	
3/16/2021	<0.001	
8/25/2021	<0.001	
3/10/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-32	GWC-32
9/15/2011	<0.001	
10/31/2011	<0.001	
12/13/2011	<0.001	
2/1/2012	<0.001	
7/17/2012	<0.001	
1/23/2013	<0.001	
7/24/2013	<0.001	
1/23/2014	<0.001	
7/1/2014	<0.001	
1/20/2015	<0.001	
7/30/2015	<0.001	
1/25/2016	<0.001	
3/23/2016	<0.001	
5/24/2016	<0.001	
7/22/2016	<0.001	
9/16/2016	<0.001	
11/15/2016	<0.001	
1/26/2017	<0.001	
3/24/2017	<0.001	
5/2/2017	<0.001	
8/3/2017	<0.001	
1/23/2018	0.00078 (J)	
6/26/2018	<0.001	
1/30/2019	<0.001	
6/27/2019	<0.001	
9/12/2019	0.00034 (J)	
3/18/2020	<0.001	
9/15/2020	<0.001	
3/17/2021	<0.001	
8/24/2021	<0.001	
3/9/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-33
9/16/2011	<0.001	
10/30/2011	<0.001	
12/13/2011	<0.001	
2/1/2012	<0.001	
7/17/2012	<0.001	
1/23/2013	<0.001	
7/17/2013	<0.001	
1/23/2014	<0.001	
1/20/2015	<0.001	
7/29/2015	<0.001	
1/25/2016	<0.001	
3/23/2016	<0.001	
5/24/2016	<0.001	
7/22/2016	<0.001	
9/16/2016	<0.001	
11/17/2016	<0.001	
1/25/2017	<0.001	
3/23/2017	<0.001	
5/1/2017	<0.001	
8/4/2017	<0.001	
1/23/2018	0.0013	
6/26/2018	<0.001	
1/30/2019	<0.001	
6/26/2019	<0.001	
9/12/2019	<0.001	
3/12/2020	<0.001	
9/16/2020	<0.001	
3/18/2021	<0.001	
8/24/2021	<0.001	
3/9/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-34	GWC-34
9/16/2011	<0.001	
10/31/2011	<0.001	
12/12/2011	<0.001	
2/1/2012	<0.001	
7/16/2012	<0.001	
1/22/2013	<0.001	
7/17/2013	<0.001	
1/23/2014	<0.001	
6/25/2014	<0.001	
1/14/2015	<0.001	
7/29/2015	<0.001	
1/21/2016	<0.001	
3/24/2016	<0.001	
5/23/2016	<0.001	
7/21/2016	<0.001	
9/15/2016	<0.001	
11/15/2016	<0.001	
1/25/2017	<0.001	
3/22/2017	<0.001	
5/1/2017	<0.001	
8/3/2017	<0.001	
1/23/2018	0.0012 (J)	
6/20/2018	0.001 (J)	
1/28/2019	<0.001	
6/26/2019	<0.001	
9/11/2019	<0.001	
3/11/2020	<0.001	
9/11/2020	<0.001	
3/16/2021	<0.001	
8/24/2021	<0.001	
3/2/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-35	GWC-35
9/16/2011	<0.001	
10/31/2011	<0.001	
12/12/2011	<0.001	
2/1/2012	<0.001	
7/16/2012	<0.001	
1/22/2013	<0.001	
7/2/2013	<0.001	
1/21/2014	<0.001	
6/25/2014	<0.001	
1/14/2015	<0.001	
7/28/2015	<0.001	
1/21/2016	<0.001	
3/24/2016	<0.001	
5/23/2016	<0.001	
7/21/2016	<0.001	
9/15/2016	<0.001	
11/15/2016	<0.001	
1/26/2017	<0.001	
3/22/2017	<0.001	
5/2/2017	<0.001	
8/3/2017	<0.001	
1/23/2018	0.001 (J)	
6/19/2018	<0.001	
1/21/2019	<0.001	
6/26/2019	<0.001	
9/12/2019	<0.001	
3/11/2020	<0.001	
9/11/2020	<0.001	
3/16/2021	<0.001	
8/18/2021	<0.001	
3/2/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-5	GWC-5
8/31/2011	<0.001	
10/27/2011	<0.001	
12/5/2011	<0.001	
1/25/2012	<0.001	
7/18/2012	<0.001	
1/9/2013	<0.001	
7/17/2013	<0.001	
1/15/2014	<0.001	
6/25/2014	<0.001	
1/13/2015	<0.001	
7/24/2015	<0.001	
1/20/2016	<0.001	
3/28/2016	<0.001	
5/23/2016	<0.001	
7/21/2016	<0.001	
9/15/2016	<0.001	
11/15/2016	<0.001	
1/26/2017	<0.001	
3/22/2017	<0.001	
5/2/2017	<0.001	
8/3/2017	<0.001	
1/23/2018	0.0014	
6/25/2018	<0.001	
1/30/2019	<0.001	
6/26/2019	<0.001	
9/12/2019	<0.001	
3/16/2020	<0.001	
9/9/2020	<0.001	
3/17/2021	<0.001	
8/19/2021	<0.001	
3/2/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-6	GWC-6
8/31/2011	<0.001	
10/30/2011	<0.001	
12/5/2011	<0.001	
1/25/2012	<0.001	
7/24/2012	<0.001	
1/8/2013	<0.001	
7/9/2013	<0.001	
1/15/2014	<0.001	
6/25/2014	<0.001	
1/20/2015	<0.001	
7/24/2015	<0.001	
1/20/2016	<0.001	
3/28/2016	<0.001	
5/24/2016	<0.001	
7/21/2016	<0.001	
9/15/2016	<0.001	
11/16/2016	<0.001	
1/26/2017	<0.001	
3/22/2017	<0.001	
5/2/2017	<0.001	
8/3/2017	<0.001	
1/23/2018	0.00075 (J)	
6/25/2018	<0.001	
1/30/2019	<0.001	
6/26/2019	<0.001	
9/12/2019	<0.001	
3/16/2020	<0.001	
9/11/2020	<0.001	
3/17/2021	<0.001	
8/18/2021	<0.001	
3/2/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-7	GWC-7
9/7/2011	<0.001	
10/30/2011	<0.001	
12/5/2011	<0.001	
1/25/2012	<0.001	
7/18/2012	<0.001	
1/7/2013	<0.001	
7/9/2013	<0.001	
1/14/2014	<0.001	
6/24/2014	<0.001	
1/20/2015	<0.001	
7/27/2015	<0.001	
1/26/2016	<0.001	
3/29/2016	<0.001	
5/24/2016	<0.001	
7/22/2016	0.00049 (J)	
9/15/2016	<0.001	
11/16/2016	<0.001	
1/26/2017	<0.001	
3/22/2017	<0.001	
5/2/2017	<0.001	
8/4/2017	<0.001	
1/23/2018	0.0012 (J)	
6/25/2018	<0.001	
1/21/2019	<0.001	
6/25/2019	0.00035 (J)	
9/10/2019	<0.001	
3/12/2020	<0.001	
9/14/2020	<0.001	
3/16/2021	<0.001	
8/19/2021	<0.001	
3/2/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-8	GWC-8
9/7/2011	<0.001	
10/30/2011	<0.001	
12/5/2011	<0.001	
1/19/2012	<0.001	
7/18/2012	<0.001	
1/7/2013	<0.001	
7/9/2013	<0.001	
1/14/2014	<0.001	
6/24/2014	<0.001	
1/20/2015	<0.001	
7/27/2015	<0.001	
1/26/2016	<0.001	
3/29/2016	<0.001	
5/24/2016	<0.001	
7/26/2016	<0.001	
9/19/2016	<0.001	
11/16/2016	<0.001	
1/26/2017	<0.001	
3/23/2017	<0.001	
5/3/2017	<0.001	
8/7/2017	<0.001	
1/24/2018	<0.001	
6/21/2018	0.00052 (J)	
1/22/2019	<0.001	
6/25/2019	0.00045 (J)	
9/10/2019	0.00043 (J)	
3/12/2020	0.00049 (J)	
9/14/2020	<0.001	
3/16/2021	<0.001	
8/20/2021	<0.001	
3/2/2022		<0.001

Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-9	GWC-9
9/7/2011	<0.001	
10/30/2011	<0.001	
12/4/2011	<0.001	
1/19/2012	<0.001	
7/18/2012	<0.001	
1/8/2013	<0.001	
7/9/2013	<0.001	
1/14/2014	<0.001	
6/24/2014	<0.001	
1/20/2015	<0.001	
7/27/2015	<0.001	
1/26/2016	<0.001	
3/29/2016	<0.001	
5/24/2016	<0.001	
7/25/2016	0.00046 (J)	
9/19/2016	<0.001	
11/16/2016	<0.001	
1/31/2017	0.0011 (J)	
3/23/2017	0.00076 (J)	
5/2/2017	<0.001	
8/7/2017	0.00052 (J)	
1/24/2018	<0.001	
6/21/2018	0.00095 (J)	
1/22/2019	0.00059 (J)	
6/25/2019	0.00086 (J)	
9/16/2019	0.00069 (J)	
3/16/2020	0.00065 (J)	
9/11/2020	0.0008 (J)	
3/16/2021	<0.001	
8/25/2021	0.00045 (J)	
3/9/2022		<0.001

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1	GWA-1
9/16/2011	0.013	
10/27/2011	0.012	
12/13/2011	0.012	
1/31/2012	0.011	
7/18/2012	0.012	
1/24/2013	0.012	
7/17/2013	0.0097	
1/21/2014	0.0096	
6/25/2014	0.0094	
1/14/2015	0.0095	
7/21/2015	0.0099	
1/21/2016	0.011	
3/23/2016	0.00968 (J)	
5/20/2016	0.0096 (J)	
7/21/2016	0.0087	
9/15/2016	0.0086	
11/11/2016	0.0095	
1/19/2017	0.0087	
3/16/2017	0.01	
4/28/2017	0.0091	
8/3/2017	0.0099	
1/19/2018	0.0089	
6/19/2018	0.012	
1/17/2019	0.01	
6/24/2019	0.0096 (J)	
9/9/2019	0.012	
3/10/2020	0.01	
9/9/2020	0.01	
3/15/2021	0.01	
8/16/2021	0.01	
2/28/2022		0.01

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-2	GWA-2
9/17/2011	0.011	
10/27/2011	0.013	
12/14/2011	0.01	
2/7/2012	0.014	
7/23/2012	0.014	
1/23/2013	0.02	
7/24/2013	0.016	
1/22/2014	0.017	
7/1/2014	0.015	
1/22/2015	0.019	
7/22/2015	0.014	
1/20/2016	0.016	
3/23/2016	0.00773 (J)	
5/24/2016	0.00761 (J)	
7/26/2016	0.0078	
9/16/2016	0.017	
11/10/2016	0.016	
1/19/2017	0.02	
3/17/2017	0.016	
4/28/2017	0.016	
8/2/2017	0.014	
1/19/2018	0.014	
6/19/2018	0.015	
1/17/2019	0.01	
6/24/2019	0.011	
9/10/2019	0.015	
3/10/2020	0.01	
9/10/2020	0.012	
3/15/2021	0.011	
8/18/2021	0.014	
3/1/2022		0.012

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28	GWA-28
9/16/2011	0.0022	
10/28/2011	0.0016	
12/12/2011	0.0018	
1/25/2012	<0.01	
7/16/2012	0.0011	
1/24/2013	<0.01	
7/23/2013	<0.01	
1/22/2014	0.0013	
7/1/2014	0.0012 (J)	
1/21/2015	0.00042 (J)	
7/21/2015	0.00055 (J)	
1/22/2016	0.00037 (J)	
3/22/2016	<0.01	
5/23/2016	<0.01	
7/25/2016	0.001 (J)	
9/15/2016	0.00092 (J)	
11/9/2016	0.0016 (J)	
1/17/2017	<0.01	
3/16/2017	0.00055 (J)	
4/27/2017	<0.01	
8/1/2017	0.00059 (J)	
1/19/2018	<0.01	
6/19/2018	<0.01	
1/21/2019	0.00088	
6/25/2019	<0.01	
9/10/2019	0.0022 (J)	
3/10/2020	0.0018 (J)	
9/9/2020	<0.01	
3/15/2021	<0.01	
8/16/2021	<0.01	
3/1/2022		<0.01

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29	GWA-29
9/17/2011	0.0016	
10/28/2011	0.0015	
12/12/2011	0.0013	
1/31/2012	<0.01	
7/17/2012	0.0016	
1/24/2013	0.0013	
7/24/2013	0.0022	
1/22/2014	0.0012 (J)	
7/8/2014	0.0013 (D)	
1/21/2015	0.0015	
7/22/2015	0.0014	
1/19/2016	0.00092 (JD)	
3/22/2016	<0.01	
5/19/2016	0.00265 (J)	
7/21/2016	0.0038	
1/17/2017	0.0011 (J)	
4/27/2017	0.00097 (J)	
7/18/2017	0.0016 (J)	
8/1/2017	0.0011 (J)	
1/19/2018	0.00076 (J)	
6/19/2018	0.00078 (J)	
1/18/2019	0.0007 (J)	
6/25/2019	<0.01	
9/10/2019	0.0033 (J)	
3/10/2020	<0.01	
9/9/2020	<0.01	
3/15/2021	<0.01	
8/18/2021	<0.01	
3/2/2022		<0.01

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-3	GWA-3
8/31/2011	0.1	
6/25/2014	0.048	
7/21/2015	0.036	
3/31/2016	0.027	
5/25/2016	0.027	
7/27/2016	0.029	
8/1/2017	0.03	
10/3/2017	0.038	
6/20/2018	0.029	
1/18/2019	0.033	
6/25/2019	0.082	
9/11/2019	0.094	
3/10/2020	0.079	
9/9/2020	0.088	
3/15/2021	0.1	
8/18/2021	0.092	
3/1/2022		0.078

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-4	GWA-4
8/31/2011	0.092	
10/27/2011	0.061	
12/14/2011	0.1	
2/1/2012	0.087	
7/23/2012	0.13	
1/23/2013	0.11	
7/17/2013	0.087	
1/15/2014	0.081	
6/25/2014	0.081	
1/14/2015	0.13	
7/21/2015	0.11	
1/20/2016	0.086	
3/23/2016	0.112	
5/19/2016	0.11	
7/21/2016	0.14	
9/14/2016	0.15	
11/10/2016	0.17	
1/17/2017	0.18	
3/16/2017	0.15	
4/27/2017	0.13	
8/2/2017	0.15	
1/22/2018	0.15	
6/19/2018	0.13	
1/17/2019	0.12	
6/24/2019	0.12	
9/10/2019	0.16	
3/10/2020	0.14	
9/9/2020	0.12	
3/15/2021	0.13	
8/18/2021	0.12	
3/1/2022		0.12

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-10	GWC-10
1/25/2016	0.014	
3/30/2016	0.0127	
5/25/2016	0.014	
7/27/2016	0.03	
9/16/2016	0.017	
11/17/2016	0.028	
2/1/2017	0.023	
3/24/2017	0.012	
5/3/2017	0.024	
8/8/2017	0.014	
1/25/2018	0.025	
6/21/2018	0.023	
1/31/2019	0.025	
6/26/2019	0.02	
9/17/2019	0.026	
3/17/2020	0.025	
9/10/2020	0.029	
3/18/2021	0.013	
8/20/2021	0.017	
3/8/2022		0.013

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-11	GWC-11
9/13/2011	0.2	
10/28/2011	0.27	
12/4/2011	0.22	
2/9/2012	0.19	
7/18/2012	0.36	
1/8/2013	0.2	
7/9/2013	0.26	
1/15/2014	0.21	
6/25/2014	0.44	
1/21/2015	0.31	
7/28/2015	0.38	
1/26/2016	0.15	
3/29/2016	0.372	
5/25/2016	0.396	
7/25/2016	0.25	
9/19/2016	0.33	
11/16/2016	0.29	
1/31/2017	0.19	
3/23/2017	0.24	
5/2/2017	0.34	
8/7/2017	0.4	
1/24/2018	0.27	
6/20/2018	0.31	
1/24/2019	0.09	
6/26/2019	0.26	
9/16/2019	0.35	
3/16/2020	0.066	
9/10/2020	0.27	
3/17/2021	0.26	
8/23/2021	0.23	
3/7/2022		0.16

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-12	GWC-12
9/13/2011	0.013	
10/28/2011	0.0092	
12/4/2011	0.0089	
1/24/2012	0.0099	
7/11/2012	0.0099	
1/8/2013	0.012	
7/10/2013	0.014	
1/21/2014	0.014	
7/1/2014	0.014	
1/21/2015	0.016	
7/28/2015	0.013	
1/26/2016	0.014	
3/29/2016	0.0179	
5/25/2016	0.0173	
7/22/2016	0.017	
9/15/2016	0.017	
11/16/2016	0.018	
1/31/2017	0.022	
3/23/2017	0.019	
5/3/2017	0.02	
8/7/2017	0.021	
1/24/2018	0.022	
6/26/2018	0.021	
1/25/2019	0.024	
6/26/2019	0.02	
9/11/2019	0.022	
3/18/2020	0.023	
9/10/2020	0.025	
3/16/2021	0.026	
8/19/2021	0.023	
3/7/2022		0.025

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-13
9/13/2011	0.0043	
10/28/2011	0.0041	
12/4/2011	0.0037	
1/24/2012	0.0042	
7/11/2012	0.0038	
1/8/2013	0.0034	
7/10/2013	0.0035	
1/21/2014	0.0037	
7/1/2014	0.0035	
1/21/2015	0.0031	
7/28/2015	0.0039	
1/27/2016	0.0026	
3/29/2016	0.00337 (J)	
5/25/2016	0.0028 (J)	
7/26/2016	0.0023 (J)	
9/15/2016	0.0026	
11/17/2016	0.0027	
1/31/2017	0.0029	
3/23/2017	0.0032	
5/3/2017	0.0028	
8/4/2017	0.0032	
1/25/2018	0.0037	
6/20/2018	0.0035	
1/22/2019	0.0029	
6/25/2019	0.0069 (J)	
9/12/2019	0.0054 (J)	
3/12/2020	0.0026 (J)	
9/10/2020	0.0041 (J)	
3/17/2021	0.0039 (J)	
8/23/2021	0.0031 (J)	
3/8/2022		0.0034 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-15	GWC-15
9/16/2011	0.0061	
10/27/2011	0.0068	
12/3/2011	0.0067	
2/9/2012	0.0066	
7/11/2012	0.0064	
1/8/2013	0.0075	
7/2/2013	0.011	
1/21/2014	0.012	
6/24/2014	0.0094	
1/14/2015	0.01	
7/22/2015	0.0084	
1/27/2016	0.012	
3/30/2016	0.0136	
5/25/2016	0.00957 (J)	
7/26/2016	0.0068	
9/20/2016	0.007	
11/17/2016	0.0072	
2/1/2017	0.009	
3/23/2017	0.011	
5/3/2017	0.0092	
8/4/2017	0.01	
1/25/2018	0.01	
6/20/2018	0.011	
1/22/2019	0.012	
6/25/2019	0.0096 (J)	
9/17/2019	0.0072 (J)	
3/16/2020	0.012	
9/10/2020	0.0076 (J)	
3/18/2021	0.011	
8/24/2021	0.0075 (J)	
3/7/2022		0.011

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-16	GWC-16
8/30/2011	0.018	
10/26/2011	0.017	
12/3/2011	0.018	
1/25/2012	0.017	
7/11/2012	0.017	
1/8/2013	0.019	
7/2/2013	0.017	
1/14/2014	0.017	
6/25/2014	0.017	
1/13/2015	0.017	
7/22/2015	0.017	
1/27/2016	0.016	
3/30/2016	0.0174	
5/25/2016	0.0173	
7/27/2016	0.016	
9/16/2016	0.016	
11/17/2016	0.017	
2/1/2017	0.018	
3/24/2017	0.017	
5/3/2017	0.017	
8/7/2017	0.017	
1/25/2018	0.016	
6/20/2018	0.017	
1/25/2019	0.019	
6/25/2019	0.018	
9/11/2019	0.02	
3/17/2020	0.019	
9/11/2020	0.018	
3/17/2021	0.017	
8/20/2021	0.018	
3/8/2022		0.018

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-17	GWC-17
8/30/2011	0.021	
10/26/2011	0.014	
12/3/2011	0.015	
1/25/2012	0.014	
7/11/2012	0.015	
1/8/2013	0.017	
7/16/2013	0.013	
1/14/2014	0.015	
6/25/2014	0.016	
1/14/2015	0.017	
7/28/2015	0.016	
1/27/2016	0.016	
3/30/2016	0.0178	
5/25/2016	0.0169	
7/27/2016	0.016	
9/19/2016	0.016	
11/17/2016	0.017	
2/1/2017	0.017	
3/24/2017	0.016	
5/3/2017	0.016	
8/7/2017	0.017	
1/25/2018	0.015	
6/26/2018	0.017	
1/24/2019	0.016	
6/25/2019	0.017	
9/11/2019	0.018	
3/17/2020	0.017	
9/14/2020	0.016	
3/16/2021	0.015	
8/20/2021	0.016	
3/8/2022		0.016

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-18	GWC-18
8/30/2011	0.033	
10/26/2011	0.028	
12/3/2011	0.03	
2/9/2012	0.029	
7/11/2012	0.03	
1/8/2013	0.036	
7/16/2013	0.034	
1/14/2014	0.037	
6/24/2014	0.032	
1/13/2015	0.034	
7/23/2015	0.03	
1/27/2016	0.032	
3/30/2016	0.0349	
5/26/2016	0.0323	
7/25/2016	0.031	
9/19/2016	0.028	
11/17/2016	0.033	
2/1/2017	0.037	
3/24/2017	0.037	
5/3/2017	0.034	
8/7/2017	0.035	
1/25/2018	0.033	
6/21/2018	0.033	
1/28/2019	0.037	
6/27/2019	0.035	
9/11/2019	0.04	
3/17/2020	0.039	
9/14/2020	0.041	
3/16/2021	0.038	
8/24/2021	0.04	
3/8/2022		0.04

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-19	GWC-19
8/30/2011	0.037	
10/26/2011	0.037	
12/3/2011	0.037	
2/8/2012	0.048	
7/11/2012	0.035	
1/8/2013	0.059	
7/16/2013	0.069	
1/21/2014	0.075	
6/24/2014	<0.0013	
1/13/2015	0.076	
7/23/2015	0.05	
1/27/2016	0.092	
3/30/2016	0.0986	
5/26/2016	0.0687	
7/25/2016	0.047	
9/19/2016	0.039	
11/17/2016	0.046	
2/2/2017	0.085	
3/24/2017	0.079	
5/3/2017	0.1	
8/7/2017	0.06	
1/25/2018	0.094	
6/21/2018	0.09	
1/28/2019	0.12	
6/26/2019	0.077	
9/12/2019	0.058	
3/18/2020	0.13	
9/15/2020	0.067	
3/17/2021	0.12	
8/24/2021	0.07	
3/8/2022		0.12

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-20	GWC-20
8/31/2011	0.038	
10/27/2011	0.034	
12/4/2011	0.033	
2/8/2012	0.037	
7/11/2012	0.035	
1/8/2013	0.034	
7/16/2013	0.034	
1/21/2014	0.035	
6/24/2014	0.034	
1/13/2015	0.031	
7/23/2015	0.036	
1/27/2016	0.03	
3/30/2016	0.0344	
5/26/2016	0.0336	
7/25/2016	0.03	
9/20/2016	0.035	
11/17/2016	0.034	
2/2/2017	0.035	
3/28/2017	0.031	
5/4/2017	0.035	
8/7/2017	0.033	
1/26/2018	0.038	
6/21/2018	0.031	
1/28/2019	0.033	
6/25/2019	0.034	
9/11/2019	0.035	
3/18/2020	0.031	
9/15/2020	0.035	
3/16/2021	0.032	
8/24/2021	0.032	
3/7/2022		0.032

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-21	GWC-21
8/31/2011	0.015	
10/27/2011	0.01	
12/4/2011	0.011	
2/8/2012	0.013	
7/17/2012	0.013	
1/9/2013	0.013	
7/16/2013	0.023	
1/21/2014	0.026	
6/24/2014	0.027	
1/13/2015	0.024	
7/23/2015	0.024	
1/26/2016	0.026	
3/30/2016	0.0293	
5/26/2016	0.0237	
7/26/2016	0.016	
9/20/2016	0.014	
11/17/2016	0.012	
2/2/2017	0.014	
3/28/2017	0.021	
5/4/2017	0.02	
8/7/2017	0.027	
1/26/2018	0.032	
6/20/2018	0.033	
1/24/2019	0.046	
6/25/2019	0.046	
9/11/2019	0.028	
3/18/2020	0.056	
9/15/2020	0.045	
3/16/2021	0.061	
8/19/2021	0.062	
3/7/2022		0.063

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-22
9/15/2011	0.025	
10/29/2011	0.024	
12/13/2011	0.027	
1/25/2012	0.029	
7/18/2012	0.027	
1/22/2013	0.029	
7/16/2013	0.025	
1/21/2014	0.027	
6/25/2014	0.025	
1/14/2015	0.025	
7/23/2015	0.025	
1/26/2016	0.023	
3/31/2016	0.0249	
5/26/2016	0.0235	
7/26/2016	0.021	
9/20/2016	0.026	
11/17/2016	0.025	
2/3/2017	0.027	
3/28/2017	0.024	
5/3/2017	0.025	
8/8/2017	0.025	
1/25/2018	0.027	
6/20/2018	0.026	
1/24/2019	0.026	
6/25/2019	0.026	
9/10/2019	0.027	
3/18/2020	0.025	
9/10/2020	0.024	
3/15/2021	0.025	
8/19/2021	0.024	
3/8/2022		0.026

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-23	GWC-23
9/16/2011	0.011	
10/29/2011	0.0075	
12/13/2011	0.011	
1/31/2012	0.009	
7/18/2012	0.0076	
1/22/2013	0.0078	
7/23/2013	0.0075	
1/22/2014	0.004	
7/1/2014	0.0066	
1/22/2015	0.0067	
7/29/2015	0.0064	
1/21/2016	0.0055	
3/29/2016	0.0114	
5/25/2016	0.00579 (J)	
7/27/2016	0.0043	
9/20/2016	0.0056	
11/18/2016	0.0043	
2/3/2017	0.005	
3/28/2017	0.0041	
5/4/2017	0.0063	
8/8/2017	0.006	
1/25/2018	0.0048	
6/20/2018	0.0047	
1/25/2019	0.0069	
6/26/2019	0.0041 (J)	
9/12/2019	0.0053 (J)	
3/18/2020	0.0055 (J)	
9/10/2020	0.0059 (J)	
3/18/2021	0.005 (J)	
8/23/2021	0.0053 (J)	
3/9/2022		0.0041 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-24	GWC-24
7/8/2014	0.022	
7/31/2015	0.02	
1/20/2016	0.026	
3/30/2016	0.00874 (J)	
5/25/2016	0.00545 (J)	
7/27/2016	0.0047	
9/16/2016	0.018	
11/18/2016	0.022	
2/3/2017	0.02	
3/29/2017	0.02	
5/4/2017	0.023	
8/8/2017	0.026	
1/25/2018	0.021	
6/27/2018	0.011	
1/31/2019	0.011	
6/26/2019	0.0093 (J)	
9/11/2019	0.02	
3/12/2020	0.0082 (J)	
9/15/2020	0.011	
3/18/2021	0.0099 (J)	
8/19/2021	0.013	
3/10/2022		0.0095 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-25	GWC-25
9/17/2011	0.016	
10/31/2011	0.013	
12/14/2011	0.018	
2/7/2012	0.033	
7/17/2012	0.025	
7/24/2013	0.043	
1/23/2014	0.025	
7/8/2014	0.046	
1/21/2015	0.023	
7/30/2015	0.022	
1/21/2016	0.028	
3/28/2016	0.0383	
5/25/2016	0.0439	
7/27/2016	0.037	
9/19/2016	0.041	
11/15/2016	0.033	
1/24/2017	0.04	
3/23/2017	0.032	
5/2/2017	0.041	
8/3/2017	0.012	
1/25/2018	0.036	
6/27/2018	0.036	
1/24/2019	0.03	
6/25/2019	0.032	
9/11/2019	0.056	
3/12/2020	0.03	
9/14/2020	0.04	
3/17/2021	0.029	
8/19/2021	0.03	
3/8/2022		0.023

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-26	GWC-26
9/17/2011	0.038	
10/29/2011	0.036	
12/14/2011	0.035	
2/7/2012	0.04	
7/17/2012	0.033	
1/24/2013	0.034	
7/24/2013	0.036	
1/23/2014	0.031	
7/8/2014	0.031	
1/21/2015	0.031	
7/31/2015	0.017	
1/25/2016	0.03	
3/24/2016	0.0362	
5/25/2016	0.0348	
7/26/2016	0.028	
9/19/2016	0.029	
11/14/2016	0.036	
1/19/2017	0.034	
3/16/2017	0.035	
5/1/2017	0.03	
8/3/2017	0.032	
1/22/2018	0.031	
6/27/2018	0.033	
1/24/2019	0.036	
6/25/2019	0.038	
9/12/2019	0.039	
3/13/2020	0.035	
9/15/2020	0.037	
3/17/2021	0.035	
8/19/2021	0.036	
3/9/2022		0.037

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-27	GWC-27
9/17/2011	0.02	
10/29/2011	0.015	
12/14/2011	0.016	
1/25/2012	0.016	
7/17/2012	0.0057	
1/24/2013	0.0062	
7/24/2013	0.01	
1/23/2014	0.013	
7/8/2014	0.014	
1/21/2015	0.015	
7/30/2015	0.0092	
1/22/2016	0.0063	
3/23/2016	0.0107	
5/24/2016	0.00672 (J)	
7/26/2016	0.0085	
9/19/2016	0.008	
11/11/2016	0.017	
1/20/2017	0.013	
3/16/2017	0.0096	
4/28/2017	0.0097	
8/3/2017	0.015	
1/19/2018	0.013	
6/27/2018	0.015	
1/24/2019	0.009	
6/26/2019	0.017	
9/12/2019	0.012	
3/12/2020	0.008 (J)	
9/9/2020	0.015	
3/18/2021	0.016	
8/23/2021	0.01	
3/8/2022		0.015

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-30	GWC-30
9/15/2011	0.0074	
10/28/2011	0.0074	
12/13/2011	0.0075	
2/8/2012	0.0075	
7/18/2012	0.0068	
1/24/2013	0.0083	
7/24/2013	0.006	
1/23/2014	0.0051	
7/1/2014	0.0061	
1/20/2015	0.0061	
7/30/2015	0.0059	
1/19/2016	0.0075	
3/23/2016	0.00731 (J)	
5/20/2016	0.00703 (J)	
7/21/2016	0.0067	
9/20/2016	0.007	
11/14/2016	0.007	
1/24/2017	0.0075	
3/17/2017	0.0071	
5/1/2017	0.0057	
8/4/2017	0.0072	
1/24/2018	0.0084	
6/21/2018	0.011	
1/30/2019	0.013	
6/27/2019	0.0071 (J)	
9/10/2019	0.0098 (J)	
3/11/2020	0.0081 (J)	
9/10/2020	0.0076 (J)	
3/18/2021	0.0083 (J)	
8/23/2021	0.0076 (J)	
3/2/2022		0.0072 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-31	GWC-31
9/17/2011	0.01	
10/31/2011	0.0068	
2/7/2012	0.0016	
1/23/2013	0.0038	
1/23/2014	0.0045	
7/1/2014	0.0048	
1/21/2015	0.0022	
1/25/2016	0.002	
3/30/2016	0.00491 (J)	
5/25/2016	0.00502 (J)	
7/27/2016	0.0033	
1/25/2017	0.0051	
3/23/2017	0.0024 (J)	
5/2/2017	0.0026	
7/19/2017	0.004	
8/4/2017	0.0033	
1/23/2018	0.0025	
6/27/2018	0.0016 (J)	
1/31/2019	0.0016 (J)	
6/26/2019	<0.01	
9/11/2019	0.0055 (J)	
3/17/2020	0.002 (J)	
9/11/2020	0.002 (J)	
3/16/2021	0.0022 (J)	
8/25/2021	0.0029 (J)	
3/10/2022		<0.01

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-32	GWC-32
9/15/2011	0.0043	
10/31/2011	0.0035	
12/13/2011	0.0036	
2/1/2012	0.0037	
7/17/2012	0.0038	
1/23/2013	0.003	
7/24/2013	0.0019	
1/23/2014	0.0012 (J)	
7/1/2014	0.0014	
1/20/2015	0.0012 (J)	
7/30/2015	0.0011 (J)	
1/25/2016	0.001 (J)	
3/23/2016	<0.01	
5/24/2016	<0.01	
7/22/2016	0.0014 (J)	
9/16/2016	0.0018 (J)	
11/15/2016	0.0014 (J)	
1/26/2017	0.003	
3/24/2017	0.0021 (J)	
5/2/2017	0.0025	
8/3/2017	<0.01 (*)	
1/23/2018	0.0027	
6/26/2018	0.0014 (J)	
1/30/2019	0.0017 (J)	
6/27/2019	<0.01	
9/12/2019	0.002 (J)	
3/18/2020	<0.01	
9/15/2020	<0.01	
3/17/2021	0.0031 (J)	
8/24/2021	<0.01	
3/9/2022		<0.01

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-33
9/16/2011	0.0049	
10/30/2011	0.0085	
12/13/2011	0.0073	
2/1/2012	0.0077	
7/17/2012	0.012	
1/23/2013	0.012	
7/17/2013	0.012	
1/23/2014	0.0099	
1/20/2015	0.011	
7/29/2015	0.0095	
1/25/2016	0.009	
3/23/2016	0.00902 (J)	
5/24/2016	0.00573 (J)	
7/22/2016	0.01	
9/16/2016	0.0061	
11/17/2016	0.014	
1/25/2017	<0.0025	
3/23/2017	0.0096	
5/1/2017	0.0057	
8/4/2017	0.0062	
1/23/2018	0.0047	
6/26/2018	0.0067	
1/30/2019	0.021	
6/26/2019	0.0057 (J)	
9/12/2019	0.009 (J)	
3/12/2020	0.0067 (J)	
9/16/2020	0.007 (J)	
3/18/2021	0.006 (J)	
8/24/2021	0.01	
3/9/2022		0.006 (J)

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-34	GWC-34
9/16/2011	0.01	
10/31/2011	0.0089	
12/12/2011	0.011	
2/1/2012	0.011	
7/16/2012	0.011	
1/22/2013	0.011	
7/17/2013	0.011	
1/23/2014	0.0097	
6/25/2014	0.011	
1/14/2015	0.011	
7/29/2015	0.011	
1/21/2016	0.012	
3/24/2016	0.0132	
5/23/2016	0.0119	
7/21/2016	0.011	
9/15/2016	0.012	
11/15/2016	0.011	
1/25/2017	0.011	
3/22/2017	0.01	
5/1/2017	0.012	
8/3/2017	0.031 (O)	
1/23/2018	0.011	
6/20/2018	0.012	
1/28/2019	0.013	
6/26/2019	0.011	
9/11/2019	0.014	
3/11/2020	0.012	
9/11/2020	0.013	
3/16/2021	0.012	
8/24/2021	0.012	
3/2/2022		0.012

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-35	GWC-35
9/16/2011	0.019	
10/31/2011	0.018	
12/12/2011	0.02	
2/1/2012	0.02	
7/16/2012	0.02	
1/22/2013	0.021	
7/2/2013	0.019	
1/21/2014	0.02	
6/25/2014	0.019	
1/14/2015	0.019	
7/28/2015	0.019	
1/21/2016	0.021	
3/24/2016	0.0206	
5/23/2016	0.0221	
7/21/2016	0.019	
9/15/2016	0.02	
11/15/2016	0.02	
1/26/2017	0.021	
3/22/2017	0.019	
5/2/2017	0.02	
8/3/2017	0.02	
1/23/2018	0.019	
6/19/2018	0.02	
1/21/2019	0.022	
6/26/2019	0.021	
9/12/2019	0.02	
3/11/2020	0.02	
9/11/2020	0.021	
3/16/2021	0.02	
8/18/2021	0.023	
3/2/2022		0.022

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-5	GWC-5
8/31/2011	0.024	
10/27/2011	0.026	
12/5/2011	0.024	
1/25/2012	0.028	
7/18/2012	0.026	
1/9/2013	0.029	
7/17/2013	0.022	
1/15/2014	0.023	
6/25/2014	0.02	
1/13/2015	0.023	
7/24/2015	0.018	
1/20/2016	0.027	
3/28/2016	0.0207	
5/23/2016	0.0191	
7/21/2016	0.018	
9/15/2016	0.037	
11/15/2016	0.024	
1/26/2017	0.025	
3/22/2017	0.02	
5/2/2017	0.02	
8/3/2017	0.025	
1/23/2018	0.027	
6/25/2018	0.02	
1/30/2019	0.016	
6/26/2019	0.02	
9/12/2019	0.03	
3/16/2020	0.023	
9/9/2020	0.024	
3/17/2021	0.021	
8/19/2021	0.025	
3/2/2022		0.024

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-6	GWC-6
8/31/2011	0.064	
10/30/2011	0.06	
12/5/2011	0.061	
1/25/2012	0.064	
7/24/2012	0.054	
1/8/2013	0.063	
7/9/2013	0.051	
1/15/2014	0.06	
6/25/2014	0.045	
1/20/2015	0.048	
7/24/2015	0.051	
1/20/2016	0.051	
3/28/2016	0.0506	
5/24/2016	0.052	
7/21/2016	0.049	
9/15/2016	0.062	
11/16/2016	0.062	
1/26/2017	0.062	
3/22/2017	0.048	
5/2/2017	0.043	
8/3/2017	0.049	
1/23/2018	0.05	
6/25/2018	0.053	
1/30/2019	0.054	
6/26/2019	0.045	
9/12/2019	0.074	
3/16/2020	0.045	
9/11/2020	0.064	
3/17/2021	0.059	
8/18/2021	0.061	
3/2/2022		0.054

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-7	GWC-7
9/7/2011	0.06	
10/30/2011	0.053	
12/5/2011	0.059	
1/25/2012	0.068	
7/18/2012	0.098	
1/7/2013	0.13	
7/9/2013	0.13	
1/14/2014	0.14	
6/24/2014	0.13	
1/20/2015	0.13	
7/27/2015	0.11	
1/26/2016	0.11	
3/29/2016	0.109	
5/24/2016	0.0996	
7/22/2016	0.089	
9/15/2016	0.097	
11/16/2016	0.11	
1/26/2017	0.097	
3/22/2017	0.083	
5/2/2017	0.088	
8/4/2017	0.088	
1/23/2018	0.094	
6/25/2018	0.078	
1/21/2019	0.083	
6/25/2019	0.075	
9/10/2019	0.086	
3/12/2020	0.072	
9/14/2020	0.074	
3/16/2021	0.066	
8/19/2021	0.069	
3/2/2022		0.071

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-8	GWC-8
9/7/2011	0.088	
10/30/2011	0.092	
12/5/2011	0.11	
1/19/2012	0.084	
7/18/2012	0.11	
1/7/2013	0.095	
7/9/2013	0.085	
1/14/2014	0.066	
6/24/2014	0.078	
1/20/2015	0.053	
7/27/2015	0.055	
1/26/2016	0.044	
3/29/2016	0.05	
5/24/2016	0.051	
7/26/2016	0.044	
9/19/2016	0.043	
11/16/2016	0.053	
1/26/2017	0.043	
3/23/2017	0.053	
5/3/2017	0.047	
8/7/2017	0.048	
1/24/2018	0.038	
6/21/2018	0.058	
1/22/2019	0.04	
6/25/2019	0.06	
9/10/2019	0.066	
3/12/2020	0.031	
9/14/2020	0.052	
3/16/2021	0.037	
8/20/2021	0.044	
3/2/2022		0.037

Prediction Limit

Constituent: Barium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-9	GWC-9
9/7/2011	0.13	
10/30/2011	0.02	
12/4/2011	0.11	
1/19/2012	0.15	
7/18/2012	0.11	
1/8/2013	0.14	
7/9/2013	0.13	
1/14/2014	0.099	
6/24/2014	0.2	
1/20/2015	0.12	
7/27/2015	0.17	
1/26/2016	0.088	
3/29/2016	0.11	
5/24/2016	0.17	
7/25/2016	0.17	
9/19/2016	0.18	
11/16/2016	0.18	
1/31/2017	0.1	
3/23/2017	0.12	
5/2/2017	0.11	
8/7/2017	0.17	
1/24/2018	0.14	
6/21/2018	0.16	
1/22/2019	0.11	
6/25/2019	0.18	
9/16/2019	0.18	
3/16/2020	0.079	
9/11/2020	0.15	
3/16/2021	0.099	
8/25/2021	0.14	
3/9/2022		0.094

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1	GWA-1
9/16/2011	<0.0025	
10/27/2011	<0.0025	
12/13/2011	<0.0025	
1/31/2012	<0.0025	
7/18/2012	<0.0025	
1/24/2013	<0.0025	
7/17/2013	<0.0025	
1/21/2014	<0.0025	
6/25/2014	<0.0025	
1/14/2015	<0.0025	
7/21/2015	<0.0025	
1/21/2016	7.5E-05 (J)	
3/23/2016	<0.0025	
5/20/2016	<0.0025	
7/21/2016	<0.0025	
9/15/2016	<0.0025	
11/11/2016	<0.0025	
1/19/2017	<0.0025	
3/16/2017	<0.0025	
4/28/2017	<0.0025	
8/3/2017	<0.0025	
1/19/2018	<0.0025	
6/19/2018	<0.0025	
1/17/2019	7.4E-05 (J)	
6/24/2019	0.00029 (J)	
9/9/2019	0.00019 (J)	
3/10/2020	0.00019 (J)	
9/9/2020	<0.0025	
3/15/2021	<0.0025	
8/16/2021	<0.0025	
2/28/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-2	GWA-2
9/17/2011	<0.0025	
10/27/2011	<0.0025	
12/14/2011	<0.0025	
2/7/2012	<0.0025	
7/23/2012	<0.0025	
1/23/2013	<0.0025	
7/24/2013	<0.0025	
1/22/2014	<0.0025	
7/1/2014	<0.0025	
1/22/2015	0.00011 (J)	
7/22/2015	<0.0025	
1/20/2016	0.00012 (J)	
3/23/2016	<0.0025	
5/24/2016	<0.0025	
7/26/2016	<0.0025	
9/16/2016	<0.0025	
11/10/2016	<0.0025	
1/19/2017	<0.0025	
3/17/2017	<0.0025	
4/28/2017	<0.0025	
8/2/2017	<0.0025	
1/19/2018	<0.0025	
6/19/2018	<0.0025	
1/17/2019	<0.0025	
6/24/2019	0.00023 (J)	
9/10/2019	<0.0025	
3/10/2020	<0.0025	
9/10/2020	<0.0025	
3/15/2021	<0.0025	
8/18/2021	<0.0025	
3/1/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28	GWA-28
9/16/2011	<0.0025	
10/28/2011	<0.0025	
12/12/2011	<0.0025	
1/25/2012	<0.0025	
7/16/2012	<0.0025	
1/24/2013	<0.0025	
7/23/2013	<0.0025	
1/22/2014	0.00034 (J)	
7/1/2014	0.00039 (J)	
1/21/2015	0.0005 (J)	
7/21/2015	0.00042 (J)	
1/22/2016	0.00044 (J)	
3/22/2016	<0.0025	
5/23/2016	<0.0025	
7/25/2016	0.00037 (J)	
9/15/2016	0.00039 (J)	
11/9/2016	0.00041 (J)	
1/17/2017	0.0004 (J)	
3/16/2017	<0.0025	
4/27/2017	0.00042 (J)	
8/1/2017	0.0004 (J)	
1/19/2018	0.00045 (J)	
6/19/2018	0.00038 (J)	
1/21/2019	0.00041 (J)	
6/25/2019	0.00039 (J)	
9/10/2019	0.00049 (J)	
3/10/2020	0.00051 (J)	
9/9/2020	0.0003 (J)	
3/15/2021	0.00046 (J)	
8/16/2021	0.00041 (J)	
3/1/2022		0.00042 (J)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29	GWA-29
9/17/2011	<0.0013	
10/28/2011	<0.0013	
12/12/2011	0.0015	
1/31/2012	0.0016	
7/17/2012	0.002	
1/24/2013	0.0025	
7/24/2013	0.0027	
1/22/2014	0.002	
7/8/2014	0.0024 (D)	
1/21/2015	0.0026	
7/22/2015	0.0024	
1/19/2016	0.0024 (D)	
3/22/2016	0.00194 (J)	
5/19/2016	0.00188 (J)	
7/21/2016	0.0021 (J)	
1/17/2017	0.0024 (J)	
4/27/2017	0.0019 (J)	
7/18/2017	0.0018 (J)	
8/1/2017	0.0019 (J)	
1/19/2018	0.0018 (J)	
6/19/2018	0.0021 (J)	
1/18/2019	0.0021 (J)	
6/25/2019	0.0023	
9/10/2019	0.0023	
3/10/2020	0.002 (J)	
9/9/2020	0.0017 (J)	
3/15/2021	0.002 (J)	
8/18/2021	0.0021 (J)	
3/2/2022		0.002 (J)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-3	GWA-3
8/31/2011	<0.0025	
6/25/2014	<0.0025	
7/21/2015	<0.0025	
3/31/2016	<0.0025	
5/25/2016	<0.0025	
7/27/2016	<0.0025	
8/1/2017	<0.0025	
10/3/2017	<0.0025	
6/20/2018	<0.0025	
1/18/2019	<0.0025	
6/25/2019	<0.0025	
9/11/2019	0.0003 (J)	
3/10/2020	<0.0025	
9/9/2020	<0.0025	
3/15/2021	<0.0025	
8/18/2021	<0.0025	
3/1/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-11	GWC-11
9/13/2011	<0.0025	
10/28/2011	<0.0025	
12/4/2011	<0.0025	
2/9/2012	<0.0025	
7/18/2012	<0.0025	
1/8/2013	<0.0025	
7/9/2013	<0.0025	
1/15/2014	<0.0025	
6/25/2014	8.3E-05 (J)	
1/21/2015	<0.0025	
7/28/2015	<0.0025	
1/26/2016	<0.0025	
3/29/2016	<0.0025	
5/25/2016	<0.0025	
7/25/2016	<0.0025	
9/19/2016	<0.0025	
11/16/2016	<0.0025	
1/31/2017	<0.0025	
3/23/2017	<0.0025	
5/2/2017	<0.0025	
8/7/2017	<0.0025	
1/24/2018	<0.0025	
6/20/2018	<0.0025	
1/24/2019	0.00015 (J)	
6/26/2019	<0.0025	
9/16/2019	<0.0025	
3/16/2020	0.00039 (J)	
9/10/2020	<0.0025	
3/17/2021	<0.0025	
8/23/2021	<0.0025	
3/7/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-12	GWC-12
9/13/2011	<0.0025	
10/28/2011	<0.0025	
12/4/2011	<0.0025	
1/24/2012	<0.0025	
7/11/2012	<0.0025	
1/8/2013	<0.0025	
7/10/2013	<0.0025	
1/21/2014	<0.0025	
7/1/2014	<0.0025	
1/21/2015	<0.0025	
7/28/2015	<0.0025	
1/26/2016	<0.0025	
3/29/2016	<0.0025	
5/25/2016	<0.0025	
7/22/2016	<0.0025	
9/15/2016	<0.0025	
11/16/2016	<0.0025	
1/31/2017	<0.0025	
3/23/2017	<0.0025	
5/3/2017	<0.0025	
8/7/2017	<0.0025	
1/24/2018	<0.0025	
6/26/2018	<0.0025	
1/25/2019	<0.0025	
6/26/2019	<0.0025	
9/11/2019	0.00024 (J)	
3/18/2020	0.00029 (J)	
9/10/2020	<0.0025	
3/16/2021	<0.0025	
8/19/2021	<0.0025	
3/7/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-14	GWC-14
9/13/2011	<0.0025	
10/27/2011	<0.0025	
12/3/2011	<0.0025	
1/24/2012	<0.0025	
7/11/2012	<0.0025	
1/8/2013	<0.0025	
7/10/2013	<0.0025	
1/21/2014	0.00012 (J)	
7/1/2014	<0.0025	
1/14/2015	0.00015 (J)	
7/22/2015	0.00023 (J)	
1/27/2016	0.00011 (J)	
3/30/2016	<0.0025	
5/25/2016	<0.0025	
7/26/2016	<0.0025	
9/15/2016	0.00044 (J)	
11/17/2016	0.00055 (J)	
2/1/2017	<0.0025	
3/23/2017	<0.0025	
5/3/2017	<0.0025	
8/7/2017	0.00059 (J)	
1/25/2018	<0.0025	
6/20/2018	0.00064 (J)	
1/22/2019	0.0004 (J)	
6/25/2019	0.00041 (J)	
9/12/2019	0.00092 (J)	
3/17/2020	0.00059 (J)	
9/10/2020	0.00064 (J)	
3/17/2021	0.00074 (J)	
8/23/2021	0.00026 (J)	
3/7/2022		0.00051 (J)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-15	GWC-15
9/16/2011	<0.0025	
10/27/2011	<0.0025	
12/3/2011	<0.0025	
2/9/2012	<0.0025	
7/11/2012	<0.0025	
1/8/2013	<0.0025	
7/2/2013	<0.0025	
1/21/2014	<0.0025	
6/24/2014	<0.0025	
1/14/2015	<0.0025	
7/22/2015	<0.0025	
1/27/2016	<0.0025	
3/30/2016	<0.0025	
5/25/2016	<0.0025	
7/26/2016	<0.0025	
9/20/2016	<0.0025	
11/17/2016	<0.0025	
2/1/2017	<0.0025	
3/23/2017	<0.0025	
5/3/2017	<0.0025	
8/4/2017	<0.0025	
1/25/2018	<0.0025	
6/20/2018	<0.0025	
1/22/2019	<0.0025	
6/25/2019	<0.0025	
9/17/2019	<0.0025	
3/16/2020	<0.0025	
9/10/2020	0.00022 (J)	
3/18/2021	<0.0025	
8/24/2021	<0.0025	
3/7/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-16	GWC-16
8/30/2011	<0.0025	
10/26/2011	<0.0025	
12/3/2011	<0.0025	
1/25/2012	<0.0025	
7/11/2012	<0.0025	
1/8/2013	<0.0025	
7/2/2013	<0.0025	
1/14/2014	<0.0025	
6/25/2014	<0.0025	
1/13/2015	<0.0025	
7/22/2015	<0.0025	
1/27/2016	<0.0025	
3/30/2016	<0.0025	
5/25/2016	<0.0025	
7/27/2016	<0.0025	
9/16/2016	<0.0025	
11/17/2016	<0.0025	
2/1/2017	<0.0025	
3/24/2017	<0.0025	
5/3/2017	<0.0025	
8/7/2017	<0.0025	
1/25/2018	<0.0025	
6/20/2018	<0.0025	
1/25/2019	7.2E-05 (J)	
6/25/2019	<0.0025	
9/11/2019	0.00024 (J)	
3/17/2020	<0.0025	
9/11/2020	<0.0025	
3/17/2021	<0.0025	
8/20/2021	<0.0025	
3/8/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-17	GWC-17
8/30/2011	<0.0025	
10/26/2011	<0.0025	
12/3/2011	<0.0025	
1/25/2012	<0.0025	
7/11/2012	<0.0025	
1/8/2013	<0.0025	
7/16/2013	<0.0025	
1/14/2014	<0.0025	
6/25/2014	<0.0025	
1/14/2015	<0.0025	
7/28/2015	<0.0025	
1/27/2016	<0.0025	
3/30/2016	<0.0025	
5/25/2016	<0.0025	
7/27/2016	<0.0025	
9/19/2016	<0.0025	
11/17/2016	<0.0025	
2/1/2017	<0.0025	
3/24/2017	<0.0025	
5/3/2017	<0.0025	
8/7/2017	<0.0025	
1/25/2018	<0.0025	
6/26/2018	<0.0025	
1/24/2019	<0.0025	
6/25/2019	<0.0025	
9/11/2019	0.00018 (J)	
3/17/2020	<0.0025	
9/14/2020	<0.0025	
3/16/2021	<0.0025	
8/20/2021	<0.0025	
3/8/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-18	GWC-18
8/30/2011	<0.0025	
10/26/2011	<0.0025	
12/3/2011	<0.0025	
2/9/2012	<0.0025	
7/11/2012	<0.0025	
1/8/2013	<0.0025	
7/16/2013	<0.0025	
1/14/2014	<0.0025	
6/24/2014	<0.0025	
1/13/2015	<0.0025	
7/23/2015	<0.0025	
1/27/2016	<0.0025	
3/30/2016	<0.0025	
5/26/2016	<0.0025	
7/25/2016	<0.0025	
9/19/2016	<0.0025	
11/17/2016	<0.0025	
2/1/2017	<0.0025	
3/24/2017	<0.0025	
5/3/2017	<0.0025	
8/7/2017	<0.0025	
1/25/2018	<0.0025	
6/21/2018	<0.0025	
1/28/2019	<0.0025	
6/27/2019	<0.0025	
9/11/2019	0.00019 (J)	
3/17/2020	<0.0025	
9/14/2020	<0.0025	
3/16/2021	<0.0025	
8/24/2021	<0.0025	
3/8/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-19	GWC-19
8/30/2011	<0.0025	
10/26/2011	<0.0025	
12/3/2011	<0.0025	
2/8/2012	<0.0025	
7/11/2012	<0.0025	
1/8/2013	<0.0025	
7/16/2013	<0.0025	
1/21/2014	<0.0025	
6/24/2014	<0.0025	
1/13/2015	<0.0025	
7/23/2015	<0.0025	
1/27/2016	<0.0025	
3/30/2016	<0.0025	
5/26/2016	<0.0025	
7/25/2016	<0.0025	
9/19/2016	<0.0025	
11/17/2016	<0.0025	
2/2/2017	<0.0025	
3/24/2017	<0.0025	
5/3/2017	<0.0025	
8/7/2017	<0.0025	
1/25/2018	<0.0025	
6/21/2018	<0.0025	
1/28/2019	0.00011 (J)	
6/26/2019	<0.0025	
9/12/2019	<0.0025	
3/18/2020	<0.0025	
9/15/2020	<0.0025	
3/17/2021	0.00046 (J)	
8/24/2021	<0.0025	
3/8/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-20	GWC-20
8/31/2011	<0.0025	
10/27/2011	<0.0025	
12/4/2011	<0.0025	
2/8/2012	<0.0025	
7/11/2012	<0.0025	
1/8/2013	<0.0025	
7/16/2013	<0.0025	
1/21/2014	<0.0025	
6/24/2014	<0.0025	
1/13/2015	<0.0025	
7/23/2015	<0.0025	
1/27/2016	<0.0025	
3/30/2016	<0.0025	
5/26/2016	<0.0025	
7/25/2016	<0.0025	
9/20/2016	<0.0025	
11/17/2016	<0.0025	
2/2/2017	<0.0025	
3/28/2017	<0.0025	
5/4/2017	<0.0025	
8/7/2017	<0.0025	
1/26/2018	<0.0025	
6/21/2018	<0.0025	
1/28/2019	<0.0025	
6/25/2019	<0.0025	
9/11/2019	<0.0025	
3/18/2020	<0.0025	
9/15/2020	<0.0025	
3/16/2021	0.00041 (J)	
8/24/2021	<0.0025	
3/7/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-21	GWC-21
8/31/2011	<0.0025	
10/27/2011	<0.0025	
12/4/2011	<0.0025	
2/8/2012	<0.0025	
7/17/2012	<0.0025	
1/9/2013	<0.0025	
7/16/2013	<0.0025	
1/21/2014	<0.0025	
6/24/2014	<0.0025	
1/13/2015	<0.0025	
7/23/2015	<0.0025	
1/26/2016	<0.0025	
3/30/2016	<0.0025	
5/26/2016	<0.0025	
7/26/2016	<0.0025	
9/20/2016	<0.0025	
11/17/2016	<0.0025	
2/2/2017	<0.0025	
3/28/2017	<0.0025	
5/4/2017	<0.0025	
8/7/2017	<0.0025	
1/26/2018	<0.0025	
6/20/2018	<0.0025	
1/24/2019	7.9E-05 (J)	
6/25/2019	<0.0025	
9/11/2019	0.0002 (J)	
3/18/2020	<0.0025	
9/15/2020	<0.0025	
3/16/2021	<0.0025	
8/19/2021	<0.0025	
3/7/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-22
9/15/2011	<0.0025	
10/29/2011	<0.0025	
12/13/2011	<0.0025	
1/25/2012	<0.0025	
7/18/2012	<0.0025	
1/22/2013	<0.0025	
7/16/2013	<0.0025	
1/21/2014	<0.0025	
6/25/2014	<0.0025	
1/14/2015	<0.0025	
7/23/2015	<0.0025	
1/26/2016	<0.0025	
3/31/2016	<0.0025	
5/26/2016	<0.0025	
7/26/2016	<0.0025	
9/20/2016	<0.0025	
11/17/2016	<0.0025	
2/3/2017	<0.0025	
3/28/2017	<0.0025	
5/3/2017	<0.0025	
8/8/2017	<0.0025	
1/25/2018	<0.0025	
6/20/2018	<0.0025	
1/24/2019	<0.0025	
6/25/2019	0.00017 (J)	
9/10/2019	<0.0025	
3/18/2020	0.00038 (J)	
9/10/2020	<0.0025	
3/15/2021	0.0002 (J)	
8/19/2021	<0.0025	
3/8/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-23	GWC-23
9/16/2011	<0.0025	
10/29/2011	<0.0025	
12/13/2011	<0.0025	
1/31/2012	<0.0025	
7/18/2012	<0.0025	
1/22/2013	<0.0025	
7/23/2013	<0.0025	
1/22/2014	<0.0025	
7/1/2014	<0.0025	
1/22/2015	<0.0025	
7/29/2015	8E-05 (J)	
1/21/2016	<0.0025	
3/29/2016	<0.0025	
5/25/2016	<0.0025	
7/27/2016	<0.0025	
9/20/2016	<0.0025	
11/18/2016	<0.0025	
2/3/2017	<0.0025	
3/28/2017	<0.0025	
5/4/2017	<0.0025	
8/8/2017	<0.0025	
1/25/2018	<0.0025	
6/20/2018	<0.0025	
1/25/2019	<0.0025	
6/26/2019	<0.0025	
9/12/2019	<0.0025	
3/18/2020	<0.0025	
9/10/2020	<0.0025	
3/18/2021	0.00052 (J)	
8/23/2021	<0.0025	
3/9/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-24	GWC-24
7/8/2014	8.3E-05 (J)	
7/31/2015	0.00012 (J)	
1/20/2016	9.3E-05 (J)	
3/30/2016	<0.0025	
5/25/2016	<0.0025	
7/27/2016	<0.0025	
9/16/2016	<0.0025	
11/18/2016	<0.0025	
2/3/2017	<0.0025	
3/29/2017	<0.0025	
5/4/2017	<0.0025	
8/8/2017	<0.0025	
1/25/2018	<0.0025	
6/27/2018	<0.0025	
1/31/2019	<0.0025	
6/26/2019	0.00017 (J)	
9/11/2019	<0.0025	
3/12/2020	0.0002 (J)	
9/15/2020	<0.0025	
3/18/2021	0.00024 (J)	
8/19/2021	<0.0025	
3/10/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-25	GWC-25
9/17/2011	<0.0025	
10/31/2011	<0.0025	
12/14/2011	<0.0025	
2/7/2012	<0.0025	
7/17/2012	<0.0025	
7/24/2013	<0.0025	
1/23/2014	<0.0025	
7/8/2014	<0.0025	
1/21/2015	<0.0025	
7/30/2015	<0.0025	
1/21/2016	<0.0025	
3/28/2016	<0.0025	
5/25/2016	<0.0025	
7/27/2016	<0.0025	
9/19/2016	<0.0025	
11/15/2016	<0.0025	
1/24/2017	<0.0025	
3/23/2017	<0.0025	
5/2/2017	<0.0025	
8/3/2017	<0.0025	
1/25/2018	<0.0025	
6/27/2018	<0.0025	
1/24/2019	6.7E-05 (J)	
6/25/2019	<0.0025	
9/11/2019	0.00019 (J)	
3/12/2020	<0.0025	
9/14/2020	<0.0025	
3/17/2021	<0.0025	
8/19/2021	<0.0025	
3/8/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-26	GWC-26
9/17/2011	<0.0025	
10/29/2011	<0.0025	
12/14/2011	<0.0025	
2/7/2012	<0.0025	
7/17/2012	<0.0025	
1/24/2013	<0.0025	
7/24/2013	<0.0025	
1/23/2014	<0.0025	
7/8/2014	<0.0025	
1/21/2015	<0.0025	
7/31/2015	<0.0025	
1/25/2016	<0.0025	
3/24/2016	<0.0025	
5/25/2016	<0.0025	
7/26/2016	<0.0025	
9/19/2016	<0.0025	
11/14/2016	<0.0025	
1/19/2017	<0.0025	
3/16/2017	<0.0025	
5/1/2017	<0.0025	
8/3/2017	<0.0025	
1/22/2018	<0.0025	
6/27/2018	<0.0025	
1/24/2019	8.1E-05 (J)	
6/25/2019	<0.0025	
9/12/2019	<0.0025	
3/13/2020	0.00019 (J)	
9/15/2020	<0.0025	
3/17/2021	<0.0025	
8/19/2021	<0.0025	
3/9/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-27	GWC-27
9/17/2011	0.0066	
10/29/2011	0.0055	
12/14/2011	0.0058	
1/25/2012	0.006	
7/17/2012	<0.003	
1/24/2013	<0.003	
7/24/2013	0.0027	
1/23/2014	0.0047	
7/8/2014	0.005	
1/21/2015	0.0053	
7/30/2015	0.0013	
1/22/2016	0.00038 (J)	
3/23/2016	0.00229 (J)	
5/24/2016	<0.003	
7/26/2016	0.0015 (J)	
9/19/2016	0.0013 (J)	
11/11/2016	0.0057	
1/20/2017	0.003	
3/16/2017	0.0018 (J)	
4/28/2017	0.00075 (J)	
8/3/2017	0.005	
1/19/2018	0.0057	
6/27/2018	0.005	
1/24/2019	0.00039 (J)	
6/26/2019	0.0056	
9/12/2019	0.0012	
3/12/2020	0.00038 (J)	
9/9/2020	0.0034	
3/18/2021	0.0043	
8/23/2021	0.0015 (J)	
3/8/2022		0.0048

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-30	GWC-30
9/15/2011	<0.0025	
10/28/2011	<0.0025	
12/13/2011	<0.0025	
2/8/2012	<0.0025	
7/18/2012	<0.0025	
1/24/2013	<0.0025	
7/24/2013	<0.0025	
1/23/2014	<0.0025	
7/1/2014	<0.0025	
1/20/2015	<0.0025	
7/30/2015	<0.0025	
1/19/2016	9E-05 (J)	
3/23/2016	<0.0025	
5/20/2016	<0.0025	
7/21/2016	<0.0025	
9/20/2016	<0.0025	
11/14/2016	<0.0025	
1/24/2017	<0.0025	
3/17/2017	<0.0025	
5/1/2017	<0.0025	
8/4/2017	<0.0025	
1/24/2018	<0.0025	
6/21/2018	<0.0025	
1/30/2019	<0.0025	
6/27/2019	<0.0025	
9/10/2019	<0.0025	
3/11/2020	<0.0025	
9/10/2020	<0.0025	
3/18/2021	<0.0025	
8/23/2021	<0.0025	
3/2/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-31	GWC-31
9/17/2011	<0.003	
10/31/2011	<0.003	
2/7/2012	<0.003	
1/23/2013	<0.003	
1/23/2014	0.00099 (J)	
7/1/2014	0.0011 (J)	
1/21/2015	0.00082 (J)	
1/25/2016	0.00061 (J)	
3/30/2016	<0.003	
5/25/2016	<0.003	
7/27/2016	0.00076 (J)	
1/25/2017	0.00064 (J)	
3/23/2017	0.00067 (J)	
5/2/2017	0.00077 (J)	
7/19/2017	0.00083 (J)	
8/4/2017	0.0011 (J)	
1/23/2018	0.001 (J)	
6/27/2018	0.00071 (J)	
1/31/2019	0.00057 (J)	
6/26/2019	0.00084 (J)	
9/11/2019	0.00092 (J)	
3/17/2020	0.0004 (J)	
9/11/2020	0.00068 (J)	
3/16/2021	0.0006 (J)	
8/25/2021	0.00072 (J)	
3/10/2022		0.00074 (J)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-32	GWC-32
9/15/2011	<0.0013	
10/31/2011	<0.0013	
12/13/2011	<0.0013	
2/1/2012	<0.0013	
7/17/2012	<0.0013	
1/23/2013	<0.0013	
7/24/2013	<0.0013	
1/23/2014	0.00068 (J)	
7/1/2014	0.00062 (J)	
1/20/2015	0.00066 (J)	
7/30/2015	0.001 (J)	
1/25/2016	0.00066 (J)	
3/23/2016	0.000735 (J)	
5/24/2016	0.00134 (J)	
7/22/2016	0.0012 (J)	
9/16/2016	0.0015 (J)	
11/15/2016	0.0015 (J)	
1/26/2017	0.001 (J)	
3/24/2017	0.0016 (J)	
5/2/2017	0.0012 (J)	
8/3/2017	0.0018 (J)	
1/23/2018	0.0018 (J)	
6/26/2018	0.0015 (J)	
1/30/2019	0.0016 (J)	
6/27/2019	0.0017	
9/12/2019	0.0019	
1/14/2020	0.0015	
3/18/2020	0.0014 (J)	
9/15/2020	0.0018 (J)	
3/17/2021	0.0013 (J)	
8/24/2021	0.0011 (J)	
3/9/2022		0.001 (J)

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-33
9/16/2011	<0.0025	
10/30/2011	<0.0025	
12/13/2011	<0.0025	
2/1/2012	<0.0025	
7/17/2012	<0.0025	
1/23/2013	<0.0025	
7/17/2013	<0.0025	
1/23/2014	0.00054 (J)	
1/20/2015	0.00091 (J)	
7/29/2015	0.0011 (J)	
1/25/2016	0.00075 (J)	
3/23/2016	0.000892 (J)	
5/24/2016	0.00065 (J)	
7/22/2016	0.0011 (J)	
9/16/2016	0.001 (J)	
11/17/2016	0.00046 (J)	
1/25/2017	<0.0025	
3/23/2017	0.00077 (J)	
5/1/2017	0.00062 (J)	
8/4/2017	0.00051 (J)	
1/23/2018	0.00034 (J)	
6/26/2018	<0.0025	
1/30/2019	0.00036 (J)	
6/26/2019	0.00027 (J)	
9/12/2019	0.00044 (J)	
3/12/2020	0.00049 (J)	
9/16/2020	0.00027 (J)	
3/18/2021	0.0002 (J)	
8/24/2021	<0.0025	
3/9/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-34	GWC-34
9/16/2011	<0.0025	
10/31/2011	<0.0025	
12/12/2011	<0.0025	
2/1/2012	<0.0025	
7/16/2012	<0.0025	
1/22/2013	<0.0025	
7/17/2013	<0.0025	
1/23/2014	<0.0025	
6/25/2014	<0.0025	
1/14/2015	<0.0025	
7/29/2015	0.00011 (J)	
1/21/2016	0.00012 (J)	
3/24/2016	<0.0025	
5/23/2016	<0.0025	
7/21/2016	<0.0025	
9/15/2016	<0.0025	
11/15/2016	<0.0025	
1/25/2017	<0.0025	
3/22/2017	<0.0025	
5/1/2017	<0.0025	
8/3/2017	<0.0025	
1/23/2018	<0.0025	
6/20/2018	<0.0025	
1/28/2019	6.1E-05 (J)	
6/26/2019	0.00032 (J)	
9/11/2019	<0.0025	
3/11/2020	<0.0025	
9/11/2020	<0.0025	
3/16/2021	<0.0025	
8/24/2021	<0.0025	
3/2/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-35	GWC-35
9/16/2011	<0.0025	
10/31/2011	<0.0025	
12/12/2011	<0.0025	
2/1/2012	<0.0025	
7/16/2012	<0.0025	
1/22/2013	<0.0025	
7/2/2013	<0.0025	
1/21/2014	<0.0025	
6/25/2014	<0.0025	
1/14/2015	<0.0025	
7/28/2015	8.5E-05 (J)	
1/21/2016	8.5E-05 (J)	
3/24/2016	<0.0025	
5/23/2016	<0.0025	
7/21/2016	<0.0025	
9/15/2016	<0.0025	
11/15/2016	<0.0025	
1/26/2017	<0.0025	
3/22/2017	<0.0025	
5/2/2017	<0.0025	
8/3/2017	<0.0025	
1/23/2018	<0.0025	
6/19/2018	<0.0025	
1/21/2019	<0.0025	
6/26/2019	0.00022 (J)	
9/12/2019	<0.0025	
3/11/2020	<0.0025	
9/11/2020	0.00024 (J)	
3/16/2021	<0.0025	
8/18/2021	<0.0025	
3/2/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-6	GWC-6
8/31/2011	<0.0025	
10/30/2011	<0.0025	
12/5/2011	<0.0025	
1/25/2012	<0.0025	
7/24/2012	<0.0025	
1/8/2013	<0.0025	
7/9/2013	<0.0025	
1/15/2014	<0.0025	
6/25/2014	<0.0025	
1/20/2015	<0.0025	
7/24/2015	<0.0025	
1/20/2016	7.8E-05 (J)	
3/28/2016	<0.0025	
5/24/2016	<0.0025	
7/21/2016	<0.0025	
9/15/2016	<0.0025	
11/16/2016	<0.0025	
1/26/2017	<0.0025	
3/22/2017	<0.0025	
5/2/2017	<0.0025	
8/3/2017	<0.0025	
1/23/2018	<0.0025	
6/25/2018	<0.0025	
1/30/2019	<0.0025	
6/26/2019	<0.0025	
9/12/2019	<0.0025	
3/16/2020	<0.0025	
9/11/2020	<0.0025	
3/17/2021	<0.0025	
8/18/2021	<0.0025	
3/2/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-8	GWC-8
9/7/2011	<0.0025	
10/30/2011	<0.0025	
12/5/2011	<0.0025	
1/19/2012	<0.0025	
7/18/2012	<0.0025	
1/7/2013	<0.0025	
7/9/2013	<0.0025	
1/14/2014	<0.0025	
6/24/2014	<0.0025	
1/20/2015	<0.0025	
7/27/2015	<0.0025	
1/26/2016	<0.0025	
3/29/2016	<0.0025	
5/24/2016	<0.0025	
7/26/2016	<0.0025	
9/19/2016	<0.0025	
11/16/2016	<0.0025	
1/26/2017	<0.0025	
3/23/2017	<0.0025	
5/3/2017	<0.0025	
8/7/2017	<0.0025	
1/24/2018	<0.0025	
6/21/2018	<0.0025	
1/22/2019	5.8E-05 (J)	
6/25/2019	<0.0025	
9/10/2019	<0.0025	
3/12/2020	0.00061 (J)	
9/14/2020	<0.0025	
3/16/2021	<0.0025	
8/20/2021	<0.0025	
3/2/2022		<0.0025

Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-9	GWC-9
9/7/2011	<0.0025	
10/30/2011	<0.0025	
12/4/2011	<0.0025	
1/19/2012	<0.0025	
7/18/2012	<0.0025	
1/8/2013	<0.0025	
7/9/2013	<0.0025	
1/14/2014	0.00012 (J)	
6/24/2014	0.00014 (J)	
1/20/2015	0.00014 (J)	
7/27/2015	0.00012 (J)	
1/26/2016	<0.0025	
3/29/2016	<0.0025	
5/24/2016	<0.0025	
7/25/2016	<0.0025	
9/19/2016	<0.0025	
11/16/2016	<0.0025	
1/31/2017	<0.0025	
3/23/2017	<0.0025	
5/2/2017	<0.0025	
8/7/2017	<0.0025	
1/24/2018	<0.0025	
6/21/2018	<0.0025	
1/22/2019	7.9E-05 (J)	
6/25/2019	<0.0025	
9/16/2019	<0.0025	
3/16/2020	0.00041 (J)	
9/11/2020	<0.0025	
3/16/2021	<0.0025	
8/25/2021	<0.0025	
3/9/2022		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1	GWA-1
9/16/2011	<0.0025	
10/27/2011	<0.0025	
12/13/2011	<0.0025	
1/31/2012	<0.0025	
7/18/2012	<0.0025	
1/24/2013	<0.0025	
7/17/2013	<0.0025	
1/21/2014	<0.0025	
6/25/2014	<0.0025	
1/14/2015	<0.0025	
7/21/2015	<0.0025	
1/21/2016	<0.0025	
3/23/2016	<0.0025	
5/20/2016	<0.0025	
7/21/2016	<0.0025	
9/15/2016	<0.0025	
11/11/2016	<0.0025	
1/19/2017	<0.0025	
3/16/2017	<0.0025	
4/28/2017	<0.0025	
8/3/2017	<0.0025	
1/19/2018	<0.0025	
6/19/2018	0.0005 (J)	
1/17/2019	<0.0025	
6/24/2019	<0.0025	
9/9/2019	<0.0025	
3/10/2020	<0.0025	
9/9/2020	<0.0025	
3/15/2021	<0.0025	
8/16/2021	<0.0025	
2/28/2022		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29	GWA-29
9/17/2011	<0.0025	
10/28/2011	<0.0025	
12/12/2011	<0.0025	
1/31/2012	<0.0025	
7/17/2012	<0.0025	
1/24/2013	<0.0025	
7/24/2013	<0.0025	
1/22/2014	<0.0025	
7/8/2014	<0.0025 (D)	
1/21/2015	<0.0025	
7/22/2015	<0.0025	
1/19/2016	<0.0025 (D)	
3/22/2016	<0.0025	
5/19/2016	0.000111 (J)	
7/21/2016	<0.0025	
1/17/2017	<0.0025	
4/27/2017	<0.0025	
7/18/2017	<0.0025	
8/1/2017	<0.0025	
1/19/2018	<0.0025	
6/19/2018	<0.0025	
1/18/2019	<0.0025	
6/25/2019	<0.0025	
9/10/2019	<0.0025	
3/10/2020	<0.0025	
9/9/2020	<0.0025	
3/15/2021	<0.0025	
8/18/2021	<0.0025	
3/2/2022		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-3	GWA-3
8/31/2011	<0.0025	
6/25/2014	<0.0025	
7/21/2015	0.00042 (J)	
3/31/2016	0.000546 (J)	
5/25/2016	0.000137 (J)	
7/27/2016	<0.0025	
8/1/2017	<0.0025	
10/3/2017	<0.0025	
6/20/2018	<0.0025	
1/18/2019	<0.0025	
6/25/2019	0.00014 (J)	
9/11/2019	<0.0025	
3/10/2020	<0.0025	
9/9/2020	<0.0025	
3/15/2021	<0.0025	
8/18/2021	<0.0025	
3/1/2022		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-11	GWC-11
9/13/2011	<0.0025	
10/28/2011	<0.0025	
12/4/2011	<0.0025	
2/9/2012	<0.0025	
7/18/2012	<0.0025	
1/8/2013	<0.0025	
7/9/2013	<0.0025	
1/15/2014	<0.0025	
6/25/2014	<0.0025	
1/21/2015	0.0014	
7/28/2015	0.0022	
1/26/2016	<0.0025	
3/29/2016	<0.0025	
5/25/2016	<0.0025	
7/25/2016	<0.0025	
9/19/2016	<0.0025	
11/16/2016	<0.0025	
1/31/2017	<0.0025	
3/23/2017	<0.0025	
5/2/2017	<0.0025	
8/7/2017	<0.0025	
1/24/2018	<0.0025	
6/20/2018	<0.0025	
1/24/2019	<0.0025	
6/26/2019	<0.0025	
9/16/2019	<0.0025	
3/16/2020	0.00033 (J)	
9/10/2020	<0.0025	
3/17/2021	<0.0025	
8/23/2021	<0.0025	
3/7/2022		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-14	GWC-14
9/13/2011	<0.0025	
10/27/2011	<0.0025	
12/3/2011	<0.0025	
1/24/2012	<0.0025	
7/11/2012	<0.0025	
1/8/2013	<0.0025	
7/10/2013	<0.0025	
1/21/2014	<0.0025	
7/1/2014	<0.0025	
1/14/2015	<0.0025	
7/22/2015	0.00028 (J)	
1/27/2016	<0.0025	
3/30/2016	0.000222 (J)	
5/25/2016	0.000327 (J)	
7/26/2016	<0.0025	
9/15/2016	0.00053 (J)	
11/17/2016	<0.0025	
2/1/2017	<0.0025	
3/23/2017	<0.0025	
5/3/2017	<0.0025	
8/7/2017	0.00051 (J)	
1/25/2018	<0.0025	
6/20/2018	0.00047 (J)	
1/22/2019	0.00021 (J)	
6/25/2019	0.00021 (J)	
9/12/2019	0.00052 (J)	
3/17/2020	0.00036 (J)	
9/10/2020	0.00043 (J)	
3/17/2021	0.00043 (J)	
8/23/2021	<0.0025	
3/7/2022		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-19	GWC-19
8/30/2011	<0.0025	
10/26/2011	<0.0025	
12/3/2011	<0.0025	
2/8/2012	<0.0025	
7/11/2012	<0.0025	
1/8/2013	<0.0025	
7/16/2013	<0.0025	
1/21/2014	<0.0025	
6/24/2014	<0.0025	
1/13/2015	<0.0025	
7/23/2015	<0.0025	
1/27/2016	<0.0025	
3/30/2016	<0.0025	
5/26/2016	<0.0025	
7/25/2016	<0.0025	
9/19/2016	<0.0025	
11/17/2016	<0.0025	
2/2/2017	<0.0025	
3/24/2017	<0.0025	
5/3/2017	<0.0025	
8/7/2017	<0.0025	
1/25/2018	<0.0025	
6/21/2018	<0.0025	
1/28/2019	<0.0025	
6/26/2019	<0.0025	
9/12/2019	<0.0025	
3/18/2020	<0.0025	
9/15/2020	<0.0025	
3/17/2021	<0.0025	
8/24/2021	<0.0025	
3/8/2022		0.00097 (J)

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-21	GWC-21
8/31/2011	<0.0025	
10/27/2011	<0.0025	
12/4/2011	<0.0025	
2/8/2012	<0.0025	
7/17/2012	<0.0025	
1/9/2013	<0.0025	
7/16/2013	<0.0025	
1/21/2014	0.00029	
6/24/2014	<0.0025	
1/13/2015	<0.0025	
7/23/2015	<0.0025	
1/26/2016	<0.0025	
3/30/2016	<0.0025	
5/26/2016	<0.0025	
7/26/2016	<0.0025	
9/20/2016	<0.0025	
11/17/2016	<0.0025	
2/2/2017	<0.0025	
3/28/2017	<0.0025	
5/4/2017	<0.0025	
8/7/2017	<0.0025	
1/26/2018	<0.0025	
6/20/2018	<0.0025	
1/24/2019	<0.0025	
6/25/2019	<0.0025	
9/11/2019	0.00018 (J)	
3/18/2020	<0.0025	
9/15/2020	<0.0025	
3/16/2021	0.00025 (J)	
8/19/2021	<0.0025	
3/7/2022		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-22
9/15/2011	<0.0025	
10/29/2011	<0.0025	
12/13/2011	<0.0025	
1/25/2012	<0.0025	
7/18/2012	<0.0025	
1/22/2013	<0.0025	
7/16/2013	<0.0025	
1/21/2014	<0.0025	
6/25/2014	<0.0025	
1/14/2015	<0.0025	
7/23/2015	<0.0025	
1/26/2016	<0.0025	
3/31/2016	<0.0025	
5/26/2016	<0.0025	
7/26/2016	<0.0025	
9/20/2016	<0.0025	
11/17/2016	<0.0025	
2/3/2017	<0.0025	
3/28/2017	<0.0025	
5/3/2017	<0.0025	
8/8/2017	<0.0025	
1/25/2018	<0.0025	
6/20/2018	<0.0025	
1/24/2019	<0.0025	
6/25/2019	0.00057 (J)	
9/10/2019	0.00046 (J)	
3/18/2020	0.00062 (J)	
9/10/2020	<0.0025	
3/15/2021	<0.0025	
8/19/2021	<0.0025	
3/8/2022		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-24	GWC-24
7/8/2014	<0.0025	
7/31/2015	<0.0025	
1/20/2016	<0.0025	
3/30/2016	0.000124 (J)	
5/25/2016	<0.0025	
7/27/2016	<0.0025	
9/16/2016	<0.0025	
11/18/2016	<0.0025	
2/3/2017	0.0021	
3/29/2017	<0.0025	
5/4/2017	<0.0025	
8/8/2017	<0.0025	
1/25/2018	<0.0025	
6/27/2018	<0.0025	
1/31/2019	<0.0025	
6/26/2019	<0.0025	
9/11/2019	<0.0025	
3/12/2020	<0.0025	
9/15/2020	<0.0025	
3/18/2021	<0.0025	
8/19/2021	<0.0025	
3/10/2022		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-25	GWC-25
9/17/2011	<0.0025	
10/31/2011	<0.0025	
12/14/2011	<0.0025	
2/7/2012	<0.0025	
7/17/2012	<0.0025	
7/24/2013	<0.0025	
1/23/2014	<0.0025	
7/8/2014	<0.0025	
1/21/2015	<0.0025	
7/30/2015	<0.0025	
1/21/2016	<0.0025	
3/28/2016	<0.0025	
5/25/2016	<0.0025	
7/27/2016	<0.0025	
9/19/2016	<0.0025	
11/15/2016	<0.0025	
1/24/2017	<0.0025	
3/23/2017	<0.0025	
5/2/2017	<0.0025	
8/3/2017	<0.0025	
1/25/2018	<0.0025	
6/27/2018	<0.0025	
1/24/2019	<0.0025	
6/25/2019	<0.0025	
9/11/2019	0.0002 (J)	
3/12/2020	<0.0025	
9/14/2020	<0.0025	
3/17/2021	<0.0025	
8/19/2021	<0.0025	
3/8/2022		<0.0025

Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-8	GWC-8
9/7/2011	<0.0025	
10/30/2011	<0.0025	
12/5/2011	<0.0025	
1/19/2012	<0.0025	
7/18/2012	<0.0025	
1/7/2013	<0.0025	
7/9/2013	<0.0025	
1/14/2014	<0.0025	
6/24/2014	<0.0025	
1/20/2015	<0.0025	
7/27/2015	<0.0025	
1/26/2016	<0.0025	
3/29/2016	<0.0025	
5/24/2016	<0.0025	
7/26/2016	<0.0025	
9/19/2016	<0.0025	
11/16/2016	<0.0025	
1/26/2017	<0.0025	
3/23/2017	<0.0025	
5/3/2017	<0.0025	
8/7/2017	<0.0025	
1/24/2018	<0.0025	
6/21/2018	<0.0025	
1/22/2019	<0.0025	
6/25/2019	<0.0025	
9/10/2019	<0.0025	
3/12/2020	0.00032 (J)	
9/14/2020	<0.0025	
3/16/2021	<0.0025	
8/20/2021	<0.0025	
3/2/2022		<0.0025

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1	GWA-1
9/16/2011	0.0015	
10/27/2011	<0.002	
12/13/2011	<0.002	
1/31/2012	<0.002	
7/18/2012	<0.002	
1/24/2013	<0.002	
7/17/2013	<0.002	
1/21/2014	<0.002	
6/25/2014	<0.002	
1/14/2015	<0.002	
7/21/2015	<0.002	
1/21/2016	<0.002	
3/23/2016	<0.002	
5/20/2016	<0.002	
7/21/2016	<0.002	
9/15/2016	<0.002	
11/11/2016	<0.002	
1/19/2017	<0.002	
3/16/2017	<0.002	
4/28/2017	<0.002	
8/3/2017	<0.002	
1/19/2018	<0.002	
6/19/2018	<0.002	
1/17/2019	0.0012 (J)	
6/24/2019	0.0042	
9/9/2019	0.0017 (J)	
3/10/2020	<0.002	
9/9/2020	<0.002	
3/15/2021	<0.002	
8/16/2021	<0.002	
2/28/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-2	GWA-2
9/17/2011	<0.002	
10/27/2011	<0.002	
12/14/2011	<0.002	
2/7/2012	<0.002	
7/23/2012	<0.002	
1/23/2013	<0.002	
7/24/2013	<0.002	
1/22/2014	<0.002	
7/1/2014	<0.002	
1/22/2015	<0.002	
7/22/2015	<0.002	
1/20/2016	<0.002	
3/23/2016	<0.002	
5/24/2016	<0.002	
7/26/2016	<0.002	
9/16/2016	0.0019 (J)	
11/10/2016	<0.002	
1/19/2017	<0.002	
3/17/2017	<0.002	
4/28/2017	<0.002	
8/2/2017	<0.002	
1/19/2018	<0.002	
6/19/2018	0.0011 (J)	
1/17/2019	0.0016 (J)	
6/24/2019	0.0022	
9/10/2019	0.0019 (J)	
3/10/2020	<0.002	
9/10/2020	<0.002	
3/15/2021	<0.002	
8/18/2021	<0.002	
3/1/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28	GWA-28
9/16/2011	<0.002	
10/28/2011	<0.002	
12/12/2011	<0.002	
1/25/2012	<0.002	
7/16/2012	<0.002	
1/24/2013	<0.002	
7/23/2013	<0.002	
1/22/2014	0.002	
7/1/2014	<0.002	
1/21/2015	<0.002	
7/21/2015	<0.002	
1/22/2016	<0.002	
3/22/2016	<0.002	
5/23/2016	<0.002	
7/25/2016	<0.002	
9/15/2016	0.0082 (O)	
11/9/2016	0.0044	
1/17/2017	<0.002	
3/16/2017	<0.002	
4/27/2017	<0.002	
8/1/2017	<0.002	
1/19/2018	<0.002	
6/19/2018	<0.002	
1/21/2019	0.0014 (J)	
6/25/2019	0.0024	
9/10/2019	0.0018 (J)	
3/10/2020	<0.002	
9/9/2020	<0.002	
3/15/2021	0.0028	
8/16/2021	<0.002	
3/1/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29	GWA-29
9/17/2011	<0.002	
10/28/2011	<0.002	
12/12/2011	<0.002	
1/31/2012	<0.002	
7/17/2012	<0.002	
1/24/2013	<0.002	
7/24/2013	0.0013	
1/22/2014	<0.002	
7/8/2014	<0.002 (D)	
1/21/2015	<0.002	
7/22/2015	<0.002	
1/19/2016	<0.002 (D)	
3/22/2016	<0.002	
5/19/2016	0.00684 (JO)	
7/21/2016	<0.002	
1/17/2017	<0.002	
4/27/2017	<0.002	
7/18/2017	<0.002	
8/1/2017	0.0015 (J)	
1/19/2018	<0.002	
6/19/2018	<0.002	
1/18/2019	0.002 (J)	
6/25/2019	0.003	
9/10/2019	0.0019 (J)	
3/10/2020	<0.002	
9/9/2020	<0.002	
3/15/2021	0.021 (o)	
8/18/2021	<0.002	
3/2/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-3	GWA-3
8/31/2011	<0.002	
6/25/2014	<0.002	
7/21/2015	<0.002	
3/31/2016	<0.002	
5/25/2016	<0.002	
7/27/2016	<0.002	
8/1/2017	<0.002	
10/3/2017	0.0013 (J)	
6/20/2018	<0.002	
1/18/2019	0.0017 (J)	
6/25/2019	0.0027	
9/11/2019	<0.002	
3/10/2020	<0.002	
9/9/2020	<0.002	
3/15/2021	<0.002	
8/18/2021	<0.002	
3/1/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-4	GWA-4
8/31/2011	0.0014	
10/27/2011	<0.002	
12/14/2011	<0.002	
2/1/2012	<0.002	
7/23/2012	0.0014	
1/23/2013	<0.002	
7/17/2013	<0.002	
1/15/2014	<0.002	
6/25/2014	<0.002	
1/14/2015	<0.002	
7/21/2015	<0.002	
1/20/2016	<0.002	
3/23/2016	<0.002	
5/19/2016	<0.002	
7/21/2016	<0.002	
9/14/2016	<0.002	
11/10/2016	<0.002	
1/17/2017	<0.002	
3/16/2017	<0.002	
4/27/2017	<0.002	
8/2/2017	<0.002	
1/22/2018	<0.002	
6/19/2018	<0.002	
1/17/2019	0.0013 (J)	
6/24/2019	0.0022	
9/10/2019	<0.002	
3/10/2020	<0.002	
9/9/2020	<0.002	
3/15/2021	<0.002	
8/18/2021	<0.002	
3/1/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-10	GWC-10
1/25/2016	<0.002	
3/30/2016	<0.002	
5/25/2016	<0.002	
7/27/2016	0.0029	
9/16/2016	<0.002	
11/17/2016	<0.002	
2/1/2017	<0.002	
3/24/2017	<0.002	
5/3/2017	<0.002	
8/8/2017	<0.002	
1/25/2018	<0.002	
6/21/2018	<0.002	
1/31/2019	0.0018 (J)	
6/26/2019	0.0021	
9/17/2019	<0.002	
3/17/2020	<0.002	
9/10/2020	<0.002	
3/18/2021	<0.002	
8/20/2021	<0.002	
3/8/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-11	GWC-11
9/13/2011	0.0031	
10/28/2011	0.0032	
12/4/2011	0.0031	
2/9/2012	<0.01	
7/18/2012	<0.01	
1/8/2013	0.0013	
7/9/2013	<0.01	
1/15/2014	0.0013	
6/25/2014	0.002	
1/21/2015	0.0013	
7/28/2015	0.0017	
1/26/2016	0.0012 (J)	
3/29/2016	<0.01	
5/25/2016	0.00213 (J)	
7/25/2016	0.0015 (J)	
9/19/2016	0.0022 (J)	
11/16/2016	0.002 (JB)	
1/31/2017	0.0022 (J)	
3/23/2017	0.002 (J)	
5/2/2017	0.0019 (J)	
8/7/2017	0.0023 (J)	
1/24/2018	0.0019 (J)	
6/20/2018	0.002 (J)	
1/24/2019	0.003	
6/26/2019	0.0041	
9/16/2019	0.0035	
3/16/2020	0.0019 (J)	
9/10/2020	0.0018 (J)	
3/17/2021	0.0016 (J)	
8/23/2021	0.0017 (J)	
3/7/2022		0.0016 (J)

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-12	GWC-12
9/13/2011	<0.002	
10/28/2011	<0.002	
12/4/2011	<0.002	
1/24/2012	<0.002	
7/11/2012	<0.002	
1/8/2013	<0.002	
7/10/2013	<0.002	
1/21/2014	<0.002	
7/1/2014	<0.002	
1/21/2015	<0.002	
7/28/2015	<0.002	
1/26/2016	<0.002	
3/29/2016	<0.002	
5/25/2016	<0.002	
7/22/2016	<0.002	
9/15/2016	<0.002	
11/16/2016	<0.002	
1/31/2017	<0.002	
3/23/2017	<0.002	
5/3/2017	<0.002	
8/7/2017	<0.002	
1/24/2018	<0.002	
6/26/2018	<0.002	
1/25/2019	0.0011 (J)	
6/26/2019	0.0021	
9/11/2019	0.0023	
3/18/2020	<0.002	
9/10/2020	<0.002	
3/16/2021	0.0022	
8/19/2021	<0.002	
3/7/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-13
9/13/2011	0.0019	
10/28/2011	<0.002	
12/4/2011	<0.002	
1/24/2012	<0.002	
7/11/2012	<0.002	
1/8/2013	<0.002	
7/10/2013	<0.002	
1/21/2014	<0.002	
7/1/2014	<0.002	
1/21/2015	<0.002	
7/28/2015	<0.002	
1/27/2016	<0.002	
3/29/2016	<0.002	
5/25/2016	<0.002	
7/26/2016	<0.002	
9/15/2016	<0.002	
11/17/2016	<0.002	
1/31/2017	<0.002	
3/23/2017	<0.002	
5/3/2017	<0.002	
8/4/2017	<0.002	
1/25/2018	<0.002	
6/20/2018	<0.002	
1/22/2019	0.0013 (J)	
6/25/2019	0.0022	
9/12/2019	0.0027	
3/12/2020	<0.002	
9/10/2020	<0.002	
3/17/2021	<0.002	
8/23/2021	<0.002	
3/8/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-14	GWC-14
9/13/2011	<0.002	
10/27/2011	<0.002	
12/3/2011	<0.002	
1/24/2012	<0.002	
7/11/2012	<0.002	
1/8/2013	<0.002	
7/10/2013	<0.002	
1/21/2014	<0.002	
7/1/2014	<0.002	
1/14/2015	<0.002	
7/22/2015	<0.002	
1/27/2016	<0.002	
3/30/2016	<0.002	
5/25/2016	<0.002	
7/26/2016	<0.002	
9/15/2016	<0.002	
11/17/2016	<0.002	
2/1/2017	<0.002	
3/23/2017	<0.002	
5/3/2017	<0.002	
8/7/2017	<0.002	
1/25/2018	<0.002	
6/20/2018	<0.002	
1/22/2019	0.0013 (J)	
6/25/2019	0.0023	
9/12/2019	0.002	
3/17/2020	<0.002	
9/10/2020	<0.002	
3/17/2021	<0.002	
8/23/2021	<0.002	
3/7/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-15	GWC-15
9/16/2011	<0.002	
10/27/2011	<0.002	
12/3/2011	<0.002	
2/8/2012	<0.002	
7/11/2012	<0.002	
1/8/2013	<0.002	
7/2/2013	<0.002	
1/21/2014	<0.002	
6/24/2014	<0.002	
1/14/2015	<0.002	
7/22/2015	<0.002	
1/27/2016	<0.002	
3/30/2016	<0.002	
5/25/2016	<0.002	
7/26/2016	<0.002	
9/20/2016	<0.002	
11/17/2016	<0.002	
2/1/2017	<0.002	
3/23/2017	<0.002	
5/3/2017	<0.002	
8/4/2017	<0.002	
1/25/2018	<0.002	
6/20/2018	<0.002	
1/22/2019	0.0013 (J)	
6/25/2019	0.0022	
9/17/2019	<0.002	
3/16/2020	<0.002	
9/10/2020	<0.002	
3/18/2021	<0.002	
8/24/2021	<0.002	
3/7/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-16	GWC-16
8/30/2011	0.0028	
10/26/2011	0.0023	
12/3/2011	<0.005	
1/25/2012	<0.005	
7/11/2012	0.0022	
1/8/2013	0.0023	
7/2/2013	0.0024	
1/14/2014	0.0023	
6/25/2014	0.0024	
1/13/2015	0.0024	
7/22/2015	0.0023	
1/27/2016	0.0022	
3/30/2016	0.00261 (J)	
5/25/2016	0.00238 (J)	
7/27/2016	0.0025	
9/16/2016	0.0023 (J)	
11/17/2016	0.0022 (J)	
2/1/2017	0.0024 (J)	
3/24/2017	0.0026	
5/3/2017	0.0022 (J)	
8/7/2017	0.0023 (J)	
1/25/2018	0.0023 (J)	
6/20/2018	0.0025	
1/25/2019	0.0038 (o)	
6/25/2019	0.0045 (o)	
9/11/2019	0.0043 (o)	
3/17/2020	0.0024	
9/11/2020	0.0022	
3/17/2021	0.0027	
8/20/2021	0.0021	
3/8/2022		0.0022

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-17	GWC-17
8/30/2011	0.0014	
10/26/2011	<0.002	
12/3/2011	<0.002	
1/25/2012	<0.002	
7/11/2012	<0.002	
1/8/2013	<0.002	
7/16/2013	<0.002	
1/14/2014	<0.002	
6/25/2014	<0.002	
1/14/2015	<0.002	
7/28/2015	<0.002	
1/27/2016	<0.002	
3/30/2016	<0.002	
5/25/2016	<0.002	
7/27/2016	<0.002	
9/19/2016	<0.002	
11/17/2016	<0.002	
2/1/2017	<0.002	
3/24/2017	<0.002	
5/3/2017	<0.002	
8/7/2017	<0.002	
1/25/2018	<0.002	
6/26/2018	<0.002	
1/24/2019	0.0014 (J)	
6/25/2019	0.0042	
9/11/2019	<0.002	
3/17/2020	<0.002	
9/14/2020	<0.002	
3/16/2021	<0.002	
8/20/2021	<0.002	
3/8/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-18	GWC-18
8/30/2011	0.0014	
10/26/2011	<0.002	
12/3/2011	<0.002	
2/8/2012	<0.002	
7/11/2012	<0.002	
1/8/2013	<0.002	
7/16/2013	<0.002	
1/14/2014	<0.002	
6/24/2014	<0.002	
1/13/2015	<0.002	
7/23/2015	<0.002	
1/27/2016	<0.002	
3/30/2016	<0.002	
5/26/2016	<0.002	
7/25/2016	<0.002	
9/19/2016	<0.002	
11/17/2016	<0.002	
2/1/2017	0.0014 (J)	
3/24/2017	<0.002	
5/3/2017	<0.002	
8/7/2017	<0.002	
1/25/2018	<0.002	
6/21/2018	<0.002	
1/28/2019	0.0012 (J)	
6/27/2019	0.0022	
9/11/2019	<0.002	
3/17/2020	<0.002	
9/14/2020	<0.002	
3/16/2021	<0.002	
8/24/2021	<0.002	
3/8/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-19	GWC-19
8/30/2011	0.0014	
10/26/2011	<0.002	
12/3/2011	<0.002	
2/8/2012	<0.002	
7/11/2012	<0.002	
1/8/2013	<0.002	
7/16/2013	<0.002	
1/21/2014	<0.002	
6/24/2014	<0.002	
1/13/2015	<0.002	
7/23/2015	<0.002	
1/27/2016	<0.002	
3/30/2016	<0.002	
5/26/2016	<0.002	
7/25/2016	<0.002	
9/19/2016	<0.002	
11/17/2016	<0.002	
2/2/2017	<0.002	
3/24/2017	<0.002	
5/3/2017	<0.002	
8/7/2017	<0.002	
1/25/2018	<0.002	
6/21/2018	<0.002	
1/28/2019	<0.002	
6/26/2019	0.0023	
9/12/2019	0.0024	
3/18/2020	<0.002	
9/15/2020	<0.002	
3/17/2021	<0.002	
8/24/2021	<0.002	
3/8/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-20	GWC-20
8/31/2011	0.0016	
10/27/2011	<0.002	
12/4/2011	<0.002	
2/8/2012	<0.002	
7/11/2012	<0.002	
1/8/2013	<0.002	
7/16/2013	<0.002	
1/21/2014	<0.002	
6/24/2014	<0.002	
1/13/2015	<0.002	
7/23/2015	<0.002	
1/27/2016	<0.002	
3/30/2016	<0.002	
5/26/2016	<0.002	
7/25/2016	<0.002	
9/20/2016	<0.002	
11/17/2016	<0.002	
2/2/2017	<0.002	
3/28/2017	<0.002	
5/4/2017	<0.002	
8/7/2017	0.0017 (J)	
1/26/2018	<0.002	
6/21/2018	<0.002	
1/28/2019	0.0011 (J)	
6/25/2019	0.0023	
9/11/2019	0.0027	
3/18/2020	<0.002	
9/15/2020	<0.002	
3/16/2021	<0.002	
8/24/2021	<0.002	
3/7/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-21	GWC-21
8/31/2011	0.0014	
10/27/2011	<0.002	
12/4/2011	<0.002	
2/8/2012	<0.002	
7/17/2012	<0.002	
1/9/2013	<0.002	
7/16/2013	<0.002	
1/21/2014	<0.002	
6/24/2014	<0.002	
1/13/2015	<0.002	
7/23/2015	<0.002	
1/26/2016	<0.002	
3/30/2016	<0.002	
5/26/2016	<0.002	
7/26/2016	<0.002	
9/20/2016	<0.002	
11/17/2016	<0.002	
2/2/2017	<0.002	
3/28/2017	<0.002	
5/4/2017	<0.002	
8/7/2017	<0.002	
1/26/2018	<0.002	
6/20/2018	<0.002	
1/24/2019	0.0012 (J)	
6/25/2019	0.0021	
9/11/2019	0.0022	
3/18/2020	<0.002	
9/15/2020	<0.002	
3/16/2021	<0.002	
8/19/2021	<0.002	
3/7/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-22
9/15/2011	<0.002	
10/29/2011	<0.002	
12/13/2011	<0.002	
1/25/2012	<0.002	
7/18/2012	0.0016	
1/22/2013	0.0019	
7/16/2013	<0.002	
1/21/2014	<0.002	
6/25/2014	0.0011 (J)	
1/14/2015	<0.002	
7/23/2015	0.0015	
1/26/2016	<0.002	
3/31/2016	<0.002	
5/26/2016	<0.002	
7/26/2016	<0.002	
9/20/2016	0.0011 (J)	
11/17/2016	<0.002	
2/3/2017	0.0011 (J)	
3/28/2017	0.0027	
5/3/2017	0.0018 (J)	
8/8/2017	<0.002	
1/25/2018	<0.002	
6/20/2018	0.0015 (J)	
1/24/2019	0.0021 (J)	
6/25/2019	0.003	
9/10/2019	0.0026	
3/18/2020	<0.002	
9/10/2020	<0.002	
3/15/2021	<0.002	
8/19/2021	<0.002	
3/8/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-23	GWC-23
9/16/2011	0.0019	
10/29/2011	<0.002	
12/13/2011	<0.002	
1/31/2012	<0.002	
7/18/2012	<0.002	
1/22/2013	<0.002	
7/23/2013	0.0013	
1/22/2014	<0.002	
7/1/2014	0.0011 (J)	
1/22/2015	<0.002	
7/29/2015	0.0012 (J)	
1/21/2016	<0.002	
3/29/2016	0.00226 (J)	
5/25/2016	<0.002	
7/27/2016	<0.002	
9/20/2016	<0.002	
11/18/2016	<0.002	
2/3/2017	<0.002	
3/28/2017	<0.002	
5/4/2017	<0.002	
8/8/2017	<0.002	
1/25/2018	<0.002	
6/20/2018	<0.002	
1/25/2019	0.0017 (J)	
6/26/2019	0.0023	
9/12/2019	0.0024	
3/18/2020	<0.002	
9/10/2020	<0.002	
3/18/2021	<0.002	
8/23/2021	<0.002	
3/9/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-24	GWC-24
7/8/2014	<0.002	
7/31/2015	<0.002	
1/20/2016	<0.002	
3/30/2016	<0.002	
5/25/2016	<0.002	
7/27/2016	<0.002	
9/16/2016	<0.002	
11/18/2016	<0.002	
2/3/2017	0.0011 (J)	
3/29/2017	<0.002	
5/4/2017	<0.002	
8/8/2017	<0.002	
1/25/2018	<0.002	
6/27/2018	<0.002	
1/31/2019	0.0022 (J)	
6/26/2019	0.0027	
9/11/2019	0.0023	
3/12/2020	<0.002	
9/15/2020	<0.002	
3/18/2021	<0.002	
8/19/2021	<0.002	
3/10/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-25	GWC-25
9/17/2011	0.0015	
10/31/2011	<0.002	
12/14/2011	<0.002	
2/7/2012	0.0065 (O)	
7/17/2012	0.0025	
7/24/2013	0.0017	
1/23/2014	<0.002	
7/8/2014	<0.002	
1/21/2015	<0.002	
7/30/2015	<0.002	
1/21/2016	0.002	
3/28/2016	<0.002	
5/25/2016	<0.002	
7/27/2016	<0.002	
9/19/2016	<0.002	
11/15/2016	<0.002	
1/24/2017	0.0043	
3/23/2017	<0.002	
5/2/2017	0.015 (O)	
8/3/2017	<0.002	
1/25/2018	<0.002	
6/27/2018	<0.002	
1/24/2019	0.0026	
6/25/2019	0.003	
9/11/2019	0.0034	
3/12/2020	<0.002	
9/14/2020	<0.002	
3/17/2021	<0.002	
8/19/2021	0.0016 (J)	
3/8/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-26	GWC-26
9/17/2011	0.0018	
10/29/2011	<0.002	
12/14/2011	<0.002	
2/7/2012	<0.002	
7/17/2012	<0.002	
1/24/2013	<0.002	
7/24/2013	<0.002	
1/23/2014	<0.002	
7/8/2014	<0.002	
1/21/2015	<0.002	
7/31/2015	<0.002	
1/25/2016	<0.002	
3/24/2016	<0.002	
5/25/2016	<0.002	
7/26/2016	<0.002	
9/19/2016	<0.002	
11/14/2016	<0.002	
1/19/2017	<0.002	
3/16/2017	<0.002	
5/1/2017	<0.002	
8/3/2017	<0.002	
1/22/2018	<0.002	
6/27/2018	<0.002	
1/24/2019	0.0018 (J)	
6/25/2019	0.003	
9/12/2019	0.0033	
3/13/2020	<0.002	
9/15/2020	<0.002	
3/17/2021	<0.002	
8/19/2021	<0.002	
3/9/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-27	GWC-27
9/17/2011	<0.002	
10/29/2011	<0.002	
12/14/2011	<0.002	
1/25/2012	<0.002	
7/17/2012	<0.002	
1/24/2013	<0.002	
7/24/2013	<0.002	
1/23/2014	<0.002	
7/8/2014	<0.002	
1/21/2015	<0.002	
7/30/2015	<0.002	
1/22/2016	<0.002	
3/23/2016	<0.002	
5/24/2016	<0.002	
7/26/2016	<0.002	
9/19/2016	<0.002	
11/11/2016	<0.002	
1/20/2017	<0.002	
3/16/2017	<0.002	
4/28/2017	<0.002	
8/3/2017	<0.002	
1/19/2018	<0.002	
6/27/2018	<0.002	
1/24/2019	0.0015 (J)	
6/26/2019	0.0022	
9/12/2019	0.0024	
3/12/2020	<0.002	
9/9/2020	<0.002	
3/18/2021	<0.002	
8/23/2021	<0.002	
3/8/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-30	GWC-30
9/15/2011	<0.002	
10/28/2011	<0.002	
12/13/2011	<0.002	
2/8/2012	<0.002	
7/18/2012	<0.002	
1/24/2013	<0.002	
7/24/2013	<0.002	
1/23/2014	<0.002	
7/1/2014	<0.002	
1/20/2015	<0.002	
7/30/2015	<0.002	
1/19/2016	<0.002	
3/23/2016	<0.002	
5/20/2016	<0.002	
7/21/2016	<0.002	
9/20/2016	0.0011 (J)	
11/14/2016	<0.002	
1/24/2017	<0.002	
3/17/2017	<0.002	
5/1/2017	<0.002	
8/4/2017	<0.002	
1/24/2018	<0.002	
6/21/2018	0.0015 (J)	
1/30/2019	0.0018 (J)	
6/27/2019	0.0025	
9/10/2019	0.0019 (J)	
3/11/2020	<0.002	
9/10/2020	<0.002	
3/18/2021	<0.002	
8/23/2021	<0.002	
3/2/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-31	GWC-31
9/17/2011	0.0052	
10/31/2011	<0.002	
2/7/2012	<0.002	
1/23/2013	<0.002	
1/23/2014	0.002	
7/1/2014	0.0046	
1/21/2015	0.0026	
1/25/2016	0.0014	
3/30/2016	0.00334 (J)	
5/25/2016	0.00321 (J)	
7/27/2016	0.0043	
1/25/2017	0.0027	
3/23/2017	0.0022 (J)	
5/2/2017	0.0027	
7/19/2017	0.0019 (J)	
8/4/2017	0.0021 (J)	
1/23/2018	0.012	
6/27/2018	0.0017 (J)	
1/31/2019	0.0031	
6/26/2019	0.0037	
9/11/2019	0.0084	
3/17/2020	<0.002	
9/11/2020	0.0018 (J)	
3/16/2021	0.002	
8/25/2021	<0.002	
3/10/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-32	GWC-32
9/15/2011	<0.002	
10/31/2011	<0.002	
12/13/2011	<0.002	
2/1/2012	<0.002	
7/17/2012	<0.002	
1/23/2013	<0.002	
7/24/2013	<0.002	
1/23/2014	<0.002	
7/1/2014	<0.002	
1/20/2015	<0.002	
7/30/2015	<0.002	
1/25/2016	<0.002	
3/23/2016	<0.002	
5/24/2016	<0.002	
7/22/2016	<0.002	
9/16/2016	<0.002	
11/15/2016	<0.002	
1/26/2017	<0.002	
3/24/2017	<0.002	
5/2/2017	<0.002	
8/3/2017	0.0053 (O)	
1/23/2018	<0.002	
6/26/2018	<0.002	
1/30/2019	0.0017 (J)	
6/27/2019	0.0022	
9/12/2019	0.0024	
3/18/2020	<0.002	
9/15/2020	<0.002	
3/17/2021	<0.002	
8/24/2021	<0.002	
3/9/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:09 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-33
9/16/2011	<0.002	
10/30/2011	<0.002	
12/13/2011	<0.002	
2/1/2012	<0.002	
7/17/2012	<0.002	
1/23/2013	<0.002	
7/17/2013	<0.002	
1/23/2014	<0.002	
1/20/2015	0.0013	
7/29/2015	0.0028	
1/25/2016	0.001 (J)	
3/23/2016	<0.002	
5/24/2016	<0.002	
7/22/2016	<0.002	
9/16/2016	<0.002	
11/17/2016	0.0034	
1/25/2017	<0.002	
3/23/2017	0.0032	
5/1/2017	<0.002	
8/4/2017	<0.002	
1/23/2018	<0.002	
6/26/2018	<0.002	
1/30/2019	0.0026	
6/26/2019	0.0022	
9/12/2019	0.0032	
3/12/2020	0.0018 (J)	
9/16/2020	<0.002	
3/18/2021	<0.002	
8/24/2021	<0.002	
3/9/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-34	GWC-34
9/16/2011	<0.002	
10/31/2011	<0.002	
12/12/2011	<0.002	
2/1/2012	<0.002	
7/16/2012	<0.002	
1/22/2013	<0.002	
7/17/2013	<0.002	
1/23/2014	<0.002	
6/25/2014	<0.002	
1/14/2015	<0.002	
7/29/2015	<0.002	
1/21/2016	<0.002	
3/24/2016	<0.002	
5/23/2016	<0.002	
7/21/2016	<0.002	
9/15/2016	<0.002	
11/15/2016	<0.002	
1/25/2017	<0.002	
3/22/2017	<0.002	
5/1/2017	<0.002	
8/3/2017	<0.002	
1/23/2018	<0.002	
6/20/2018	<0.002	
1/28/2019	0.00076 (J)	
6/26/2019	0.0022	
9/11/2019	0.0034	
3/11/2020	<0.002	
9/11/2020	<0.002	
3/16/2021	<0.002	
8/24/2021	<0.002	
3/2/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-35	GWC-35
9/16/2011	<0.002	
10/31/2011	<0.002	
12/12/2011	<0.002	
2/1/2012	<0.002	
7/16/2012	<0.002	
1/22/2013	<0.002	
7/2/2013	<0.002	
1/21/2014	<0.002	
6/25/2014	<0.002	
1/14/2015	<0.002	
7/28/2015	<0.002	
1/21/2016	<0.002	
3/24/2016	<0.002	
5/23/2016	<0.002	
7/21/2016	<0.002	
9/15/2016	<0.002	
11/15/2016	<0.002	
1/26/2017	<0.002	
3/22/2017	<0.002	
5/2/2017	<0.002	
8/3/2017	<0.002	
1/23/2018	<0.002	
6/19/2018	<0.002	
1/21/2019	0.0013 (J)	
6/26/2019	0.0022	
9/12/2019	0.0026	
3/11/2020	<0.002	
9/11/2020	<0.002	
3/16/2021	<0.002	
8/18/2021	<0.002	
3/2/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-5	GWC-5
8/31/2011	<0.002	
10/27/2011	<0.002	
12/5/2011	<0.002	
1/25/2012	<0.002	
7/18/2012	<0.002	
1/9/2013	<0.002	
7/17/2013	<0.002	
1/15/2014	<0.002	
6/25/2014	<0.002	
1/13/2015	0.0012 (J)	
7/24/2015	<0.002	
1/20/2016	<0.002	
3/28/2016	<0.002	
5/23/2016	<0.002	
7/21/2016	0.0011 (J)	
9/15/2016	<0.002	
11/15/2016	<0.002	
1/26/2017	0.0013 (J)	
3/22/2017	0.024 (O)	
5/2/2017	<0.002	
8/3/2017	<0.002	
1/23/2018	<0.002	
6/25/2018	<0.002	
1/30/2019	0.0021 (J)	
6/26/2019	0.0029	
9/12/2019	0.0033	
3/16/2020	0.0017 (J)	
9/9/2020	<0.002	
3/17/2021	0.0015 (J)	
8/19/2021	<0.002	
3/2/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-6	GWC-6
8/31/2011	<0.002	
10/30/2011	0.0016	
12/5/2011	<0.002	
1/25/2012	<0.002	
7/24/2012	<0.002	
1/8/2013	<0.002	
7/9/2013	<0.002	
1/15/2014	<0.002	
6/25/2014	<0.002	
1/20/2015	<0.002	
7/24/2015	<0.002	
1/20/2016	<0.002	
3/28/2016	<0.002	
5/24/2016	<0.002	
7/21/2016	<0.002	
9/15/2016	<0.002	
11/16/2016	<0.002	
1/26/2017	<0.002	
3/22/2017	<0.002	
5/2/2017	<0.002	
8/3/2017	<0.002	
1/23/2018	<0.002	
6/25/2018	<0.002	
1/30/2019	0.002 (J)	
6/26/2019	0.0027	
9/12/2019	0.0049	
3/16/2020	<0.002	
9/11/2020	<0.002	
3/17/2021	<0.002	
8/18/2021	<0.002	
3/2/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-7	GWC-7
9/7/2011	<0.002	
10/30/2011	<0.002	
12/5/2011	<0.002	
1/25/2012	<0.002	
7/18/2012	<0.002	
1/7/2013	<0.002	
7/9/2013	<0.002	
1/14/2014	<0.002	
6/24/2014	0.0018	
1/20/2015	<0.002	
7/27/2015	<0.002	
1/26/2016	<0.002	
3/29/2016	<0.002	
5/24/2016	<0.002	
7/22/2016	<0.002	
9/15/2016	<0.002	
11/16/2016	<0.002	
1/26/2017	<0.002	
3/22/2017	<0.002	
5/2/2017	<0.002	
8/4/2017	<0.002	
1/23/2018	<0.002	
6/25/2018	<0.002	
1/21/2019	0.0012 (J)	
6/25/2019	0.0021	
9/10/2019	<0.002	
3/12/2020	<0.002	
9/14/2020	<0.002	
3/16/2021	<0.002	
8/19/2021	<0.002	
3/2/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-8	GWC-8
9/7/2011	<0.002	
10/30/2011	<0.002	
12/5/2011	<0.002	
1/19/2012	<0.002	
7/18/2012	<0.002	
1/7/2013	<0.002	
7/9/2013	<0.002	
1/14/2014	<0.002	
6/24/2014	<0.002	
1/20/2015	<0.002	
7/27/2015	<0.002	
1/26/2016	<0.002	
3/29/2016	<0.002	
5/24/2016	<0.002	
7/26/2016	<0.002	
9/19/2016	<0.002	
11/16/2016	<0.002	
1/26/2017	<0.002	
3/23/2017	<0.002	
5/3/2017	<0.002	
8/7/2017	<0.002	
1/24/2018	<0.002	
6/21/2018	<0.002	
1/22/2019	0.0014 (J)	
6/25/2019	0.0024	
9/10/2019	0.0018 (J)	
3/12/2020	<0.002	
9/14/2020	<0.002	
3/16/2021	0.0027	
8/20/2021	<0.002	
3/2/2022		<0.002

Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-9	GWC-9
9/7/2011	0.0013	
10/30/2011	<0.002	
12/4/2011	0.0021	
1/19/2012	<0.002	
7/18/2012	<0.002	
1/8/2013	0.0019	
7/9/2013	0.002	
1/14/2014	<0.002	
6/24/2014	0.0029	
1/20/2015	<0.002	
7/27/2015	0.0013	
1/26/2016	<0.002	
3/29/2016	<0.002	
5/24/2016	<0.002	
7/25/2016	<0.002	
9/19/2016	<0.002	
11/16/2016	<0.002	
1/31/2017	0.0015 (J)	
3/23/2017	0.0021 (J)	
5/2/2017	0.0016 (J)	
8/7/2017	0.0024 (J)	
1/24/2018	0.0019 (J)	
6/21/2018	0.0023 (J)	
1/22/2019	0.0027	
6/25/2019	0.0048	
9/16/2019	0.0027	
3/16/2020	0.0015 (J)	
9/11/2020	0.0017 (J)	
3/16/2021	0.0073 (o)	
8/25/2021	0.0024	
3/9/2022		<0.002

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1	GWA-1
9/16/2011	<0.0025	
10/27/2011	<0.0025	
12/13/2011	<0.0025	
1/31/2012	<0.0025	
7/18/2012	<0.0025	
1/24/2013	<0.0025	
7/17/2013	<0.0025	
1/21/2014	<0.0025	
6/25/2014	<0.0025	
1/14/2015	0.00068 (J)	
7/21/2015	<0.0025	
1/21/2016	<0.0025	
3/23/2016	<0.0025	
5/20/2016	<0.0025	
7/21/2016	<0.0025	
9/15/2016	<0.0025	
11/11/2016	<0.0025	
1/19/2017	<0.0025	
3/16/2017	<0.0025	
4/28/2017	0.00044 (J)	
8/3/2017	<0.0025	
1/19/2018	<0.0025	
6/19/2018	<0.0025	
1/17/2019	0.00033 (J)	
6/24/2019	0.00019 (J)	
9/9/2019	0.00019 (J)	
3/10/2020	0.00017 (J)	
9/9/2020	<0.0025	
3/15/2021	0.00022 (J)	
8/16/2021	<0.0025	
2/28/2022		0.00087 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-2	GWA-2
9/17/2011	<0.0025	
10/27/2011	<0.0025	
12/14/2011	<0.0025	
2/7/2012	<0.0025	
7/23/2012	<0.0025	
1/23/2013	<0.0025	
7/24/2013	<0.0025	
1/22/2014	<0.0025	
7/1/2014	0.00056 (J)	
1/22/2015	0.00067 (J)	
7/22/2015	<0.0025	
1/20/2016	<0.0025	
3/23/2016	<0.0025	
5/24/2016	<0.0025	
7/26/2016	<0.0025	
9/16/2016	0.0011 (J)	
11/10/2016	<0.0025	
1/19/2017	<0.0025	
3/17/2017	<0.0025	
4/28/2017	0.00045 (J)	
8/2/2017	<0.0025	
1/19/2018	<0.0025	
6/19/2018	0.00061 (J)	
1/17/2019	0.00018 (J)	
6/24/2019	0.00019 (J)	
9/10/2019	0.00029 (J)	
3/10/2020	0.00017 (J)	
9/10/2020	0.00019 (J)	
3/15/2021	0.00021 (J)	
8/18/2021	0.0002 (J)	
3/1/2022		<0.0025

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29	GWA-29
9/17/2011	<0.0025	
10/28/2011	<0.0025	
12/12/2011	<0.0025	
1/31/2012	<0.0025	
7/17/2012	<0.0025	
1/24/2013	<0.0025	
7/24/2013	<0.0025	
1/22/2014	<0.0025	
7/8/2014	<0.0025	
1/21/2015	<0.0025	
7/22/2015	<0.0025	
1/19/2016	<0.0025 (D)	
3/22/2016	<0.0025	
5/19/2016	<0.0025	
7/21/2016	<0.0025	
1/17/2017	<0.0025	
4/27/2017	<0.0025	
7/18/2017	<0.0025	
8/1/2017	<0.0025	
1/19/2018	<0.0025	
6/19/2018	<0.0025	
1/18/2019	<0.0025	
6/25/2019	0.00012 (J)	
9/10/2019	8.9E-05 (J)	
3/10/2020	<0.0025	
9/9/2020	<0.0025	
3/15/2021	<0.0025	
8/18/2021	<0.0025	
3/2/2022		<0.0025

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-3	GWA-3
8/31/2011	0.0028	
6/25/2014	0.00075 (J)	
7/21/2015	0.00066 (J)	
3/31/2016	<0.0025	
5/25/2016	<0.0025	
7/27/2016	<0.0025	
8/1/2017	<0.0025	
10/3/2017	<0.0025	
6/20/2018	<0.0025	
1/18/2019	0.00011 (J)	
6/25/2019	0.00042 (J)	
9/11/2019	0.00017 (J)	
3/10/2020	0.00081 (J)	
9/9/2020	0.00076 (J)	
3/15/2021	0.0015 (J)	
8/18/2021	0.00024 (J)	
3/1/2022		0.00052 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-4	GWA-4
8/31/2011	0.0028	
10/27/2011	<0.0025	
12/14/2011	<0.0025	
2/1/2012	0.0027	
7/23/2012	0.0073	
1/23/2013	0.0029	
7/17/2013	0.0033	
1/15/2014	0.0076	
6/25/2014	0.0044	
1/14/2015	0.015	
7/21/2015	0.0053	
1/20/2016	0.0034	
3/23/2016	0.00443 (J)	
5/19/2016	0.00361 (J)	
7/21/2016	0.0058	
9/14/2016	0.0075	
11/10/2016	0.01	
1/17/2017	0.013	
3/16/2017	0.0059	
4/27/2017	0.0052	
8/2/2017	0.005	
1/22/2018	0.0046	
6/19/2018	0.005	
1/17/2019	0.0038	
6/24/2019	0.006	
9/10/2019	0.0062	
3/10/2020	0.0035	
9/9/2020	0.0047	
3/15/2021	0.0073	
8/18/2021	0.005	
3/1/2022		0.0067

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-10	GWC-10
1/25/2016	0.0048	
3/30/2016	0.0025 (J)	
5/25/2016	0.00272 (J)	
7/27/2016	0.0052	
9/16/2016	0.0048	
11/17/2016	0.0095	
2/1/2017	0.009	
3/24/2017	0.0026	
5/3/2017	0.0073	
8/8/2017	0.0037	
1/25/2018	0.01	
6/21/2018	0.012	
1/31/2019	0.0063	
6/26/2019	0.0051	
9/17/2019	0.006	
3/17/2020	0.0038	
9/10/2020	0.0046	
3/18/2021	0.0018 (J)	
8/20/2021	0.0041	
3/8/2022		0.0028

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-11	GWC-11
9/13/2011	0.013	
10/28/2011	0.014	
12/4/2011	0.011	
2/9/2012	0.0091	
7/18/2012	0.0061	
1/8/2013	0.0035	
7/9/2013	0.0044	
1/15/2014	0.0043	
6/25/2014	0.011	
1/21/2015	0.0057	
7/28/2015	0.009	
1/26/2016	0.0025	
3/29/2016	0.00664 (J)	
5/25/2016	0.0102	
7/25/2016	0.0059	
9/19/2016	0.0061	
11/16/2016	0.005	
1/31/2017	0.012	
3/23/2017	0.013	
5/2/2017	0.013	
8/7/2017	0.0099	
1/24/2018	0.0047	
6/20/2018	0.0063	
1/24/2019	0.0015 (J)	
6/26/2019	0.0037	
9/16/2019	0.0034	
3/16/2020	0.0014 (J)	
9/10/2020	0.0026	
3/17/2021	0.0034	
8/23/2021	0.0019 (J)	
3/7/2022		0.0016 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-12	GWC-12
9/13/2011	<0.0025	
10/28/2011	<0.0025	
12/4/2011	<0.0025	
1/24/2012	<0.0025	
7/11/2012	<0.0025	
1/8/2013	<0.0025	
7/10/2013	<0.0025	
1/21/2014	<0.0025	
7/1/2014	<0.0025	
1/21/2015	<0.0025	
7/28/2015	<0.0025	
1/26/2016	<0.0025	
3/29/2016	<0.0025	
5/25/2016	<0.0025	
7/22/2016	<0.0025	
9/15/2016	<0.0025	
11/16/2016	<0.0025	
1/31/2017	<0.0025	
3/23/2017	<0.0025	
5/3/2017	<0.0025	
8/7/2017	<0.0025	
1/24/2018	<0.0025	
6/26/2018	<0.0025	
1/25/2019	0.00032 (J)	
6/26/2019	0.00039 (J)	
9/11/2019	0.00017 (J)	
3/18/2020	0.0012 (J)	
9/10/2020	0.0043	
3/16/2021	0.0013 (J)	
8/19/2021	0.00044 (J)	
3/7/2022		0.00071 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-14	GWC-14
9/13/2011	<0.0013	
10/27/2011	0.044 (O)	
12/3/2011	0.0037	
1/24/2012	0.021	
7/11/2012	<0.0013	
1/8/2013	<0.0013	
7/10/2013	0.0014	
1/21/2014	0.043	
7/1/2014	0.0011 (J)	
1/14/2015	0.019	
7/22/2015	0.016	
1/27/2016	0.45	
3/30/2016	0.176	
4/20/2016	0.13	
5/25/2016	0.0616	
7/26/2016	0.32	
9/15/2016	0.014	
11/17/2016	0.01	
2/1/2017	0.2	
3/23/2017	0.14	
5/3/2017	0.23	
8/7/2017	0.026	
1/25/2018	0.23	
6/20/2018	0.048	
1/22/2019	0.22	
6/25/2019	0.23	
9/12/2019	0.013	
3/17/2020	0.16	
9/10/2020	0.078	
3/17/2021	0.15	
8/23/2021	0.31	
3/7/2022		0.19

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-15	GWC-15
9/16/2011	<0.0025	
10/27/2011	<0.0025	
12/3/2011	<0.0025	
2/9/2012	<0.0025	
7/11/2012	<0.0025	
1/8/2013	<0.0025	
7/2/2013	<0.0025	
1/21/2014	<0.0025	
6/24/2014	<0.0025	
1/14/2015	0.00063 (J)	
7/22/2015	0.00065 (J)	
1/27/2016	0.0016	
3/30/2016	<0.0025	
5/25/2016	<0.0025	
7/26/2016	<0.0025	
9/20/2016	<0.0025	
11/17/2016	0.001 (J)	
2/1/2017	<0.0025	
3/23/2017	0.0013 (J)	
5/3/2017	0.00055 (J)	
8/4/2017	0.0018 (J)	
1/25/2018	0.00072 (J)	
6/20/2018	<0.0025	
1/22/2019	0.00016 (J)	
6/25/2019	0.00012 (J)	
9/17/2019	<0.0025	
3/16/2020	<0.0025	
9/10/2020	<0.0025	
3/18/2021	<0.0025	
8/24/2021	0.00018 (J)	
3/7/2022		<0.0025

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-16	GWC-16
8/30/2011	0.0033 (O)	
10/26/2011	<0.0025	
12/3/2011	<0.0025	
1/25/2012	<0.0025	
7/11/2012	<0.0025	
1/8/2013	<0.0025	
7/2/2013	<0.0025	
1/14/2014	<0.0025	
6/25/2014	<0.0025	
1/13/2015	<0.0025	
7/22/2015	<0.0025	
1/27/2016	<0.0025	
3/30/2016	<0.0025	
5/25/2016	<0.0025	
7/27/2016	<0.0025	
9/16/2016	<0.0025	
11/17/2016	<0.0025	
2/1/2017	<0.0025	
3/24/2017	<0.0025	
5/3/2017	<0.0025	
8/7/2017	<0.0025	
1/25/2018	<0.0025	
6/20/2018	<0.0025	
1/25/2019	0.00013 (J)	
6/25/2019	<0.0025	
9/11/2019	<0.0025	
3/17/2020	<0.0025	
9/11/2020	<0.0025	
3/17/2021	<0.0025	
8/20/2021	<0.0025	
3/8/2022		<0.0025

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-19	GWC-19
8/30/2011	0.0042	
10/26/2011	<0.0025	
12/3/2011	0.0036	
2/8/2012	<0.0025	
7/11/2012	<0.0025	
1/8/2013	0.0017	
7/16/2013	<0.0025	
1/21/2014	0.00055 (J)	
6/24/2014	0.00071 (J)	
1/13/2015	0.00085 (J)	
7/23/2015	0.00099 (J)	
1/27/2016	0.00077 (J)	
3/30/2016	<0.0025	
5/26/2016	<0.0025	
7/25/2016	<0.0025	
9/19/2016	<0.0025	
11/17/2016	<0.0025	
2/2/2017	0.011 (O)	
3/24/2017	0.0016 (J)	
5/3/2017	0.0017 (J)	
8/7/2017	0.00081 (J)	
1/25/2018	0.00047 (J)	
6/21/2018	0.0009 (J)	
1/28/2019	0.00043 (J)	
6/26/2019	0.00042 (J)	
9/12/2019	0.00035 (J)	
3/18/2020	0.0016 (J)	
9/15/2020	0.0003 (J)	
3/17/2021	0.00038 (J)	
8/24/2021	0.00053 (J)	
3/8/2022		0.00038 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-20	GWC-20
8/31/2011	<0.0025	
10/27/2011	<0.0025	
12/4/2011	<0.0025	
2/8/2012	<0.0025	
7/11/2012	<0.0025	
1/8/2013	<0.0025	
7/16/2013	<0.0025	
1/21/2014	<0.0025	
6/24/2014	0.00071 (J)	
1/13/2015	<0.0025	
7/23/2015	0.0011 (J)	
1/27/2016	<0.0025	
3/30/2016	<0.0025	
5/26/2016	<0.0025	
7/25/2016	0.00042 (J)	
9/20/2016	0.00064 (J)	
11/17/2016	<0.0025	
2/2/2017	<0.0025	
3/28/2017	<0.0025	
5/4/2017	<0.0025	
8/7/2017	<0.0025	
1/26/2018	0.00058 (J)	
6/21/2018	<0.0025	
1/28/2019	<0.0025	
6/25/2019	0.00012 (J)	
9/11/2019	<0.0025	
3/18/2020	<0.0025	
9/15/2020	<0.0025	
3/16/2021	<0.0025	
8/24/2021	<0.0025	
3/7/2022		<0.0025

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-21	GWC-21
8/31/2011	0.0047	
10/27/2011	0.0032	
12/4/2011	0.003	
2/8/2012	0.0035	
7/17/2012	0.0043	
1/9/2013	0.0019	
7/16/2013	0.0043	
1/21/2014	0.00093 (J)	
6/24/2014	<0.0025	
1/13/2015	0.00058 (J)	
7/23/2015	<0.0025	
1/26/2016	0.0015	
3/30/2016	<0.0025	
5/26/2016	<0.0025	
7/26/2016	<0.0025	
9/20/2016	<0.0025	
11/17/2016	<0.0025	
2/2/2017	0.0004 (J)	
3/28/2017	0.00047 (J)	
5/4/2017	0.00043 (J)	
8/7/2017	0.0024 (J)	
1/26/2018	0.0048	
6/20/2018	0.0031	
1/24/2019	0.0028	
6/25/2019	0.0028	
9/11/2019	0.0017	
3/18/2020	0.0006 (J)	
9/15/2020	0.0027	
3/16/2021	0.0022 (J)	
8/19/2021	0.0049	
3/7/2022		0.0026

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-22
9/15/2011	<0.0025	
10/29/2011	<0.0025	
12/13/2011	<0.0025	
1/25/2012	<0.0025	
7/18/2012	<0.0025	
1/22/2013	<0.0025	
7/16/2013	<0.0025	
1/21/2014	<0.0025	
6/25/2014	<0.0025	
1/14/2015	<0.0025	
7/23/2015	<0.0025	
1/26/2016	<0.0025	
3/31/2016	<0.0025	
5/26/2016	<0.0025	
7/26/2016	<0.0025	
9/20/2016	<0.0025	
11/17/2016	<0.0025	
2/3/2017	<0.0025	
3/28/2017	<0.0025	
5/3/2017	<0.0025	
8/8/2017	<0.0025	
1/25/2018	<0.0025	
6/20/2018	<0.0025	
1/24/2019	<0.0025	
6/25/2019	<0.0025	
9/10/2019	<0.0025	
3/18/2020	0.00027 (J)	
9/10/2020	<0.0025	
3/15/2021	0.00013 (J)	
8/19/2021	<0.0025	
3/8/2022		<0.0025

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-23	GWC-23
9/16/2011	0.0037 (O)	
10/29/2011	<0.0025	
12/13/2011	0.003 (O)	
1/31/2012	0.0027	
7/18/2012	0.0021	
1/22/2013	0.002	
7/23/2013	0.0013	
1/22/2014	0.00035 (J)	
7/1/2014	0.00088 (J)	
1/22/2015	<0.0025	
7/29/2015	0.00052 (J)	
1/21/2016	<0.0025	
3/29/2016	<0.0025	
5/25/2016	<0.0025	
7/27/2016	<0.0025	
9/20/2016	<0.0025	
11/18/2016	<0.0025	
2/3/2017	<0.0025	
3/28/2017	<0.0025	
5/4/2017	<0.0025	
8/8/2017	<0.0025	
1/25/2018	<0.0025	
6/20/2018	<0.0025	
1/25/2019	8.4E-05 (J)	
6/26/2019	<0.0025	
9/12/2019	9.3E-05 (J)	
3/18/2020	0.00022 (J)	
9/10/2020	0.00016 (J)	
3/18/2021	0.00024 (J)	
8/23/2021	<0.0025	
3/9/2022		<0.0025

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-24	GWC-24
7/8/2014	0.0023	
7/31/2015	0.0018	
1/20/2016	0.0023	
3/30/2016	<0.01	
5/25/2016	<0.01	
7/27/2016	0.00095 (J)	
9/16/2016	0.0053	
11/18/2016	0.0011 (J)	
2/3/2017	0.00097 (J)	
3/29/2017	0.00059 (J)	
5/4/2017	0.0011 (J)	
8/8/2017	0.0011 (J)	
1/25/2018	0.00088 (J)	
6/27/2018	0.00086 (J)	
1/31/2019	0.0029	
6/26/2019	0.001	
9/11/2019	0.0013	
3/12/2020	0.002 (J)	
9/15/2020	0.0018 (J)	
3/18/2021	0.0028	
8/19/2021	0.0028	
3/10/2022		0.0011 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-25	GWC-25
9/17/2011	<0.0025	
10/31/2011	0.0042	
12/14/2011	0.0047	
2/7/2012	<0.0025	
7/17/2012	0.044	
7/24/2013	0.041	
1/23/2014	0.0077	
7/8/2014	0.028	
1/21/2015	0.0063	
7/30/2015	0.01	
1/21/2016	0.0094	
3/28/2016	0.0117	
5/25/2016	0.0122	
7/27/2016	0.0065	
9/19/2016	0.0071	
11/15/2016	0.029	
1/24/2017	0.033	
3/23/2017	0.022	
5/2/2017	0.036	
8/3/2017	0.00041 (J)	
1/25/2018	0.01	
6/27/2018	0.01	
1/24/2019	0.0014 (J)	
6/25/2019	0.001	
9/11/2019	0.013	
3/12/2020	0.0066	
9/14/2020	0.0074	
3/17/2021	0.004	
8/19/2021	0.0041	
3/8/2022		0.0023 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-26	GWC-26
9/17/2011	<0.0025	
10/29/2011	<0.0025	
12/14/2011	<0.0025	
2/7/2012	<0.0025	
7/17/2012	<0.0025	
1/24/2013	0.0018	
7/24/2013	<0.0025	
1/23/2014	0.00041 (J)	
7/8/2014	<0.0025	
1/21/2015	<0.0025	
7/31/2015	<0.0025	
1/25/2016	<0.0025	
3/24/2016	<0.0025	
5/25/2016	<0.0025	
7/26/2016	<0.0025	
9/19/2016	<0.0025	
11/14/2016	0.00061 (J)	
1/19/2017	<0.0025	
3/16/2017	<0.0025	
5/1/2017	<0.0025	
8/3/2017	<0.0025	
1/22/2018	<0.0025	
6/27/2018	<0.0025	
1/24/2019	0.00012 (J)	
6/25/2019	0.00017 (J)	
9/12/2019	0.00012 (J)	
3/13/2020	0.00015 (J)	
9/15/2020	<0.0025	
3/17/2021	<0.0025	
8/19/2021	<0.0025	
3/9/2022		<0.0025

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-27	GWC-27
9/17/2011	<0.0025	
10/29/2011	<0.0025	
12/14/2011	<0.0025	
1/25/2012	<0.0025	
7/17/2012	0.0023	
1/24/2013	0.0033	
7/24/2013	0.0046	
1/23/2014	0.0024	
7/8/2014	0.0027	
1/21/2015	0.0025	
7/30/2015	0.003	
1/22/2016	0.0018	
3/23/2016	0.00275 (J)	
5/24/2016	0.0024 (J)	
7/26/2016	0.0043	
9/19/2016	0.0024 (J)	
11/11/2016	0.0018 (J)	
1/20/2017	0.0027	
3/16/2017	0.0024 (J)	
4/28/2017	0.0026	
8/3/2017	0.0024 (J)	
1/19/2018	0.0019 (J)	
6/27/2018	0.002 (J)	
1/24/2019	0.0019 (J)	
6/26/2019	0.0023	
9/12/2019	0.0022	
3/12/2020	0.0009 (J)	
9/9/2020	0.0034	
3/18/2021	0.0017 (J)	
8/23/2021	0.0014 (J)	
3/8/2022		0.0013 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-31	GWC-31
9/17/2011	<0.0025	
10/31/2011	<0.0025	
2/7/2012	<0.0025	
1/23/2013	<0.0025	
1/23/2014	<0.0025	
7/1/2014	<0.0025	
1/21/2015	<0.0025	
1/25/2016	<0.0025	
3/30/2016	<0.0025	
5/25/2016	<0.0025	
7/27/2016	0.0015	
1/25/2017	<0.0025	
3/23/2017	<0.0025	
5/2/2017	<0.0025	
7/19/2017	<0.0025	
8/4/2017	<0.0025	
1/23/2018	<0.0025	
6/27/2018	<0.0025	
1/31/2019	<0.0025	
6/26/2019	<0.0025	
9/11/2019	0.00044 (J)	
3/17/2020	0.00017 (J)	
9/11/2020	<0.0025	
3/16/2021	0.00013 (J)	
8/25/2021	<0.0025	
3/10/2022		<0.0025

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-32	GWC-32
9/15/2011	<0.0025	
10/31/2011	<0.0025	
12/13/2011	<0.0025	
2/1/2012	<0.0025	
7/17/2012	<0.0025	
1/23/2013	<0.0025	
7/24/2013	<0.0025	
1/23/2014	<0.0025	
7/1/2014	<0.0025	
1/20/2015	<0.0025	
7/30/2015	<0.0025	
1/25/2016	<0.0025	
3/23/2016	<0.0025	
5/24/2016	<0.0025	
7/22/2016	0.00058 (J)	
9/16/2016	0.00088 (J)	
11/15/2016	<0.0025	
1/26/2017	0.0013 (J)	
3/24/2017	0.0012 (J)	
5/2/2017	0.00095 (J)	
8/3/2017	0.00045 (J)	
1/23/2018	0.00053 (J)	
6/26/2018	<0.0025	
1/30/2019	0.00012 (J)	
6/27/2019	0.00017 (J)	
9/12/2019	0.00087	
3/18/2020	0.001 (J)	
9/15/2020	<0.0025	
3/17/2021	0.00021 (J)	
8/24/2021	<0.0025	
3/9/2022		<0.0025

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-33
9/16/2011	<0.0025	
10/30/2011	0.0031	
12/13/2011	0.0033	
2/1/2012	<0.0025	
7/17/2012	0.0037	
1/23/2013	0.002	
7/17/2013	0.0013	
1/23/2014	0.00071 (J)	
1/20/2015	0.0013	
7/29/2015	0.00054 (J)	
1/25/2016	0.00082 (J)	
3/23/2016	<0.0025	
5/24/2016	0.0136	
7/22/2016	0.01	
9/16/2016	0.011	
11/17/2016	0.0032	
1/25/2017	<0.0025	
3/23/2017	0.0037	
5/1/2017	0.0085	
8/4/2017	0.0023 (J)	
1/23/2018	0.0024 (J)	
6/26/2018	0.0042	
1/30/2019	0.00012 (J)	
6/26/2019	0.0025	
9/12/2019	0.00083	
3/12/2020	0.0013 (J)	
9/16/2020	0.0019 (J)	
3/18/2021	0.00015 (J)	
8/24/2021	<0.0025	
3/9/2022		0.00031 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-34	GWC-34
9/16/2011	<0.0025	
10/31/2011	<0.0025	
12/12/2011	<0.0025	
2/1/2012	<0.0025	
7/16/2012	<0.0025	
1/22/2013	<0.0025	
7/17/2013	<0.0025	
1/23/2014	<0.0025	
6/25/2014	<0.0025	
1/14/2015	<0.0025	
7/29/2015	<0.0025	
1/21/2016	<0.0025	
3/24/2016	<0.0025	
5/23/2016	<0.0025	
7/21/2016	<0.0025	
9/15/2016	<0.0025	
11/15/2016	0.00043 (J)	
1/25/2017	<0.0025	
3/22/2017	<0.0025	
5/1/2017	<0.0025	
8/3/2017	0.027 (O)	
1/23/2018	<0.0025	
6/20/2018	<0.0025	
1/28/2019	<0.0025	
6/26/2019	<0.0025	
9/11/2019	0.00011 (J)	
3/11/2020	<0.0025	
9/11/2020	<0.0025	
3/16/2021	<0.0025	
8/24/2021	<0.0025	
3/2/2022		<0.0025

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-35	GWC-35
9/16/2011	<0.0025	
10/31/2011	<0.0025	
12/12/2011	0.0025	
2/1/2012	<0.0025	
7/16/2012	0.0017	
1/22/2013	0.0013	
7/2/2013	<0.0025	
1/21/2014	0.00076 (J)	
6/25/2014	0.00093 (J)	
1/14/2015	0.00069 (J)	
7/28/2015	0.00053 (J)	
1/21/2016	0.0005 (J)	
3/24/2016	<0.0025	
5/23/2016	<0.0025	
7/21/2016	<0.0025	
9/15/2016	<0.0025	
11/15/2016	<0.0025	
1/26/2017	<0.0025	
3/22/2017	<0.0025	
5/2/2017	<0.0025	
8/3/2017	<0.0025	
1/23/2018	<0.0025	
6/19/2018	0.00042 (J)	
1/21/2019	0.00025 (J)	
6/26/2019	0.00028 (J)	
9/12/2019	0.00027 (J)	
3/11/2020	0.00022 (J)	
9/11/2020	0.00028 (J)	
3/16/2021	0.00026 (J)	
8/18/2021	0.00022 (J)	
3/2/2022		<0.0025

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-5	GWC-5
8/31/2011	0.02	
10/27/2011	0.038	
12/5/2011	0.04	
1/25/2012	0.043	
7/18/2012	0.028	
1/9/2013	0.037	
7/17/2013	0.018	
1/15/2014	0.018	
6/25/2014	0.019	
1/13/2015	0.012	
7/24/2015	0.013	
1/20/2016	0.012	
3/28/2016	0.0101	
5/23/2016	0.00701 (J)	
7/21/2016	0.0079	
9/15/2016	0.02	
11/15/2016	0.011	
1/26/2017	0.0075	
3/22/2017	0.0063	
5/2/2017	0.0036	
8/3/2017	0.0061	
1/23/2018	0.01	
6/25/2018	0.0049	
1/30/2019	0.00068 (J)	
6/26/2019	0.0054	
9/12/2019	0.0062	
3/16/2020	0.0049	
9/9/2020	0.0048	
3/17/2021	0.0042	
8/19/2021	0.0045	
3/2/2022		0.0048

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-6	GWC-6
8/31/2011	0.013	
10/30/2011	0.037 (o)	
12/5/2011	0.029 (o)	
1/25/2012	0.018	
7/24/2012	0.011	
1/8/2013	0.012	
7/9/2013	0.017	
1/15/2014	0.017	
6/25/2014	0.0099	
1/20/2015	0.0098	
7/24/2015	0.012	
1/20/2016	0.01	
3/28/2016	0.0104	
5/24/2016	0.00926 (J)	
7/21/2016	0.01	
9/15/2016	0.014	
11/16/2016	0.015	
1/26/2017	0.011	
3/22/2017	0.012	
5/2/2017	0.0094	
8/3/2017	0.014	
1/23/2018	0.013	
6/25/2018	0.014	
1/30/2019	0.017	
6/26/2019	0.012	
9/12/2019	0.019	
3/16/2020	0.012	
9/11/2020	0.017	
3/17/2021	0.015	
8/18/2021	0.013	
3/2/2022		0.011

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-7	GWC-7
9/7/2011	<0.0025	
10/30/2011	<0.0025	
12/5/2011	<0.0025	
1/25/2012	<0.0025	
7/18/2012	0.017	
1/7/2013	0.03	
7/9/2013	0.028	
1/14/2014	0.021	
6/24/2014	0.011	
1/20/2015	0.0088	
7/27/2015	0.0061	
1/26/2016	0.002	
3/29/2016	0.00652 (J)	
5/24/2016	0.00462 (J)	
7/22/2016	0.0042	
9/15/2016	0.0036	
11/16/2016	0.0044	
1/26/2017	0.00091 (J)	
3/22/2017	0.0016 (J)	
5/2/2017	0.011	
8/4/2017	0.0033	
1/23/2018	0.0028	
6/25/2018	0.0057	
1/21/2019	0.00051 (J)	
6/25/2019	0.0039	
9/10/2019	0.0035	
3/12/2020	0.00066 (J)	
9/14/2020	0.0028	
3/16/2021	0.00057 (J)	
8/19/2021	0.0023 (J)	
3/2/2022		0.00043 (J)

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-8	GWC-8
9/7/2011	0.14 (O)	
10/30/2011	0.021	
12/5/2011	0.17 (O)	
1/19/2012	0.028	
7/18/2012	0.037	
1/7/2013	0.037	
7/9/2013	0.065	
1/14/2014	0.026	
6/24/2014	0.034	
1/20/2015	0.031	
7/27/2015	0.031	
1/26/2016	0.021	
3/29/2016	0.0208	
5/24/2016	0.0649	
7/26/2016	0.044	
9/19/2016	0.059	
11/16/2016	0.064	
1/26/2017	0.0017 (J)	
3/23/2017	0.025	
5/3/2017	0.047	
8/7/2017	0.042	
1/24/2018	0.014	
6/21/2018	0.04	
1/22/2019	0.013	
6/25/2019	0.035	
9/10/2019	0.041	
3/12/2020	0.0047	
9/14/2020	0.028	
3/16/2021	0.0052	
8/20/2021	0.013	
3/2/2022		0.005

Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-9	GWC-9
9/7/2011	0.27 (O)	
10/30/2011	<0.0025	
12/4/2011	0.14	
1/19/2012	0.13	
7/18/2012	0.12	
1/8/2013	0.056	
7/9/2013	0.042	
1/14/2014	0.038	
6/24/2014	0.039	
1/20/2015	0.037	
7/27/2015	0.04	
1/26/2016	0.028	
3/29/2016	0.0328	
5/24/2016	0.0334	
7/25/2016	0.051	
9/19/2016	0.055	
11/16/2016	0.061	
1/31/2017	0.15	
3/23/2017	0.091	
5/2/2017	0.049	
8/7/2017	0.057	
1/24/2018	0.044	
6/21/2018	0.049	
1/22/2019	0.028	
6/25/2019	0.043	
9/16/2019	0.042	
3/16/2020	0.026	
9/11/2020	0.045	
3/16/2021	0.035	
8/25/2021	0.027	
3/9/2022		0.024

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-2	GWA-2
9/17/2011	<0.002	
10/27/2011	<0.002	
12/14/2011	<0.002	
2/7/2012	<0.002	
7/23/2012	<0.002	
1/23/2013	<0.002	
7/24/2013	<0.002	
1/22/2014	<0.002	
7/1/2014	0.0011 (J)	
1/22/2015	<0.002	
7/22/2015	0.0012 (J)	
1/20/2016	<0.002	
1/19/2017	<0.002	
8/2/2017	<0.002	
1/19/2018	<0.002	
6/19/2018	<0.002	
1/17/2019	<0.002	
6/24/2019	0.0011 (J)	
9/10/2019	0.0014 (J)	
3/10/2020	<0.002	
9/10/2020	0.00099 (J)	
3/15/2021	0.001 (J)	
8/18/2021	0.0011 (J)	
3/1/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28	GWA-28
9/16/2011	<0.002	
10/28/2011	<0.002	
12/12/2011	<0.002	
1/25/2012	<0.002	
7/16/2012	<0.002	
1/24/2013	<0.002	
7/23/2013	<0.002	
1/22/2014	0.0012 (J)	
7/1/2014	<0.002	
1/21/2015	<0.002	
7/21/2015	<0.002	
1/22/2016	<0.002	
1/17/2017	<0.002	
8/1/2017	<0.002	
1/19/2018	<0.002	
6/19/2018	<0.002	
1/21/2019	<0.002	
6/25/2019	<0.002	
9/10/2019	<0.002	
3/10/2020	<0.002	
9/9/2020	<0.002	
3/15/2021	<0.002	
8/16/2021	<0.002	
3/1/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29	GWA-29
9/17/2011	<0.013	
10/28/2011	<0.013	
12/12/2011	<0.013	
1/31/2012	0.018	
7/17/2012	0.0066	
1/24/2013	0.015	
7/24/2013	0.015	
1/22/2014	0.015	
7/8/2014	0.0081 (D)	
1/21/2015	0.0088	
7/22/2015	0.0072	
1/19/2016	0.0083 (D)	
1/17/2017	0.0065	
8/1/2017	0.0044	
1/19/2018	0.0046	
6/19/2018	0.0063	
1/18/2019	0.0059	
6/25/2019	0.0085	
9/10/2019	0.0074	
3/10/2020	0.004	
9/9/2020	0.0055	
3/15/2021	0.0062	
8/18/2021	0.006	
3/2/2022		0.0053

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-3	GWA-3
8/31/2011	<0.002	
6/25/2014	0.0016 (J)	
7/21/2015	<0.002	
8/1/2017	<0.002	
6/20/2018	<0.002	
1/18/2019	<0.002	
6/25/2019	0.004	
9/11/2019	0.0015 (J)	
3/10/2020	0.0025	
9/9/2020	0.0029	
3/15/2021		0.0031
8/18/2021		0.0017 (J)
3/1/2022		0.0025

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-10	GWC-10
1/25/2016	<0.002	
2/1/2017	<0.002	
8/8/2017	<0.002	
1/25/2018	<0.002	
6/21/2018	<0.002	
1/31/2019	<0.002	
6/26/2019	0.00064 (J)	
9/17/2019	0.0007 (J)	
3/17/2020	<0.002	
9/10/2020	0.0083 (o)	
3/18/2021		<0.002
8/20/2021		<0.002
3/8/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-11	GWC-11
9/13/2011	<0.002	
10/28/2011	<0.002	
12/4/2011	<0.002	
2/9/2012	<0.002	
7/18/2012	<0.002	
1/8/2013	<0.002	
7/9/2013	<0.002	
1/15/2014	0.0012 (J)	
6/25/2014	0.0012 (J)	
1/21/2015	<0.002	
7/28/2015	<0.002	
1/26/2016	0.001 (J)	
1/31/2017	<0.002	
8/7/2017	<0.002	
1/24/2018	<0.002	
6/20/2018	<0.002	
1/24/2019	<0.002	
6/26/2019	<0.002	
9/16/2019	<0.002	
3/16/2020	<0.002	
9/10/2020	0.0034	
3/17/2021	<0.002	
8/23/2021	<0.002	
3/7/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-12	GWC-12
9/13/2011	<0.002	
10/28/2011	<0.002	
12/4/2011	<0.002	
1/24/2012	<0.002	
7/11/2012	<0.002	
1/8/2013	<0.002	
7/10/2013	<0.002	
1/21/2014	<0.002	
7/1/2014	<0.002	
1/21/2015	<0.002	
7/28/2015	<0.002	
1/26/2016	<0.002	
1/31/2017	<0.002	
8/7/2017	<0.002	
1/24/2018	<0.002	
6/26/2018	<0.002	
1/25/2019	<0.002	
6/26/2019	<0.002	
9/11/2019	0.00096 (J)	
3/18/2020	<0.002	
9/10/2020	<0.002	
3/16/2021	<0.002	
8/19/2021	<0.002	
3/7/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-13
9/13/2011	<0.002	
10/28/2011	<0.002	
12/4/2011	<0.002	
1/24/2012	<0.002	
7/11/2012	<0.002	
1/8/2013	<0.002	
7/10/2013	<0.002	
1/21/2014	<0.002	
7/1/2014	<0.002	
1/21/2015	<0.002	
7/28/2015	<0.002	
1/27/2016	0.0021 (J)	
1/31/2017	<0.002	
8/4/2017	<0.002	
1/25/2018	<0.002	
6/20/2018	<0.002	
1/22/2019	<0.002	
6/25/2019	<0.002	
9/12/2019	<0.002	
3/12/2020	<0.002	
9/10/2020	<0.002	
3/17/2021	0.00064 (J)	
8/23/2021	<0.002	
3/8/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-14	GWC-14
9/13/2011	<0.002	
10/27/2011	<0.002	
12/3/2011	<0.002	
1/24/2012	<0.002	
7/11/2012	<0.002	
1/8/2013	<0.002	
7/10/2013	<0.002	
1/21/2014	<0.002	
7/1/2014	0.0014 (J)	
1/14/2015	<0.002	
7/22/2015	<0.002	
1/27/2016	0.0068 (O)	
2/1/2017	<0.002	
8/7/2017	<0.002	
1/25/2018	<0.002	
6/20/2018	<0.002	
1/22/2019	<0.002	
6/25/2019	0.0008 (J)	
9/12/2019	0.0017 (J)	
3/17/2020	<0.002	
9/10/2020	<0.002	
3/17/2021	<0.002	
8/23/2021	<0.002	
3/7/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-15	GWC-15
9/16/2011	<0.002	
10/27/2011	<0.002	
12/3/2011	<0.002	
2/9/2012	<0.002	
7/11/2012	<0.002	
1/8/2013	<0.002	
7/2/2013	<0.002	
1/21/2014	<0.002	
6/24/2014	<0.002	
1/14/2015	<0.002	
7/22/2015	<0.002	
1/27/2016	<0.002	
2/1/2017	<0.002	
8/4/2017	<0.002	
1/25/2018	<0.002	
6/20/2018	<0.002	
1/22/2019	0.003	
6/25/2019	<0.002	
9/17/2019	<0.002	
3/16/2020	<0.002	
9/10/2020	<0.002	
3/18/2021	<0.002	
8/24/2021	<0.002	
3/7/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-16	GWC-16
8/30/2011	<0.002	
10/26/2011	<0.002	
12/3/2011	<0.002	
1/25/2012	<0.002	
7/11/2012	<0.002	
1/8/2013	<0.002	
7/2/2013	<0.002	
1/14/2014	<0.002	
6/25/2014	<0.002	
1/13/2015	<0.002	
7/22/2015	<0.002	
1/27/2016	<0.002	
2/1/2017	<0.002	
8/7/2017	<0.002	
1/25/2018	<0.002	
6/20/2018	<0.002	
1/25/2019	<0.002	
6/25/2019	<0.002	
9/11/2019	0.00065 (J)	
3/17/2020	<0.002	
9/11/2020	<0.002	
3/17/2021	<0.002	
8/20/2021	<0.002	
3/8/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-17	GWC-17
8/30/2011	<0.002	
10/26/2011	<0.002	
12/3/2011	<0.002	
1/25/2012	<0.002	
7/11/2012	<0.002	
1/8/2013	<0.002	
7/16/2013	<0.002	
1/14/2014	<0.002	
6/25/2014	<0.002	
1/14/2015	<0.002	
7/28/2015	0.00081 (J)	
1/27/2016	<0.002	
2/1/2017	<0.002	
8/7/2017	<0.002	
1/25/2018	<0.002	
6/26/2018	<0.002	
1/24/2019	<0.002	
6/25/2019	<0.002	
9/11/2019	0.00066 (J)	
3/17/2020	<0.002	
9/14/2020	<0.002	
3/16/2021	<0.002	
8/20/2021	<0.002	
3/8/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-19	GWC-19
8/30/2011	<0.002	
10/26/2011	<0.002	
12/3/2011	<0.002	
2/8/2012	<0.002	
7/11/2012	<0.002	
1/8/2013	<0.002	
7/16/2013	<0.002	
1/21/2014	<0.002	
6/24/2014	<0.002	
1/13/2015	<0.002	
7/23/2015	<0.002	
1/27/2016	<0.002	
2/2/2017	<0.002	
8/7/2017	<0.002	
1/25/2018	<0.002	
6/21/2018	<0.002	
1/28/2019	<0.002	
6/26/2019	<0.002	
9/12/2019	<0.002	
3/18/2020	<0.002	
9/15/2020	<0.002	
3/17/2021	<0.002	
8/24/2021	0.00094 (J)	
3/8/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-20	GWC-20
8/31/2011	<0.002	
10/27/2011	<0.002	
12/4/2011	<0.002	
2/8/2012	<0.002	
7/11/2012	<0.002	
1/8/2013	<0.002	
7/16/2013	<0.002	
1/21/2014	<0.002	
6/24/2014	<0.002	
1/13/2015	<0.002	
7/23/2015	<0.002	
1/27/2016	<0.002	
2/2/2017	<0.002	
8/7/2017	0.0054 (O)	
1/26/2018	0.0025	
6/21/2018	<0.002	
1/28/2019	<0.002	
6/25/2019	<0.002	
9/11/2019	0.00085 (J)	
3/18/2020	<0.002	
9/15/2020	<0.002	
3/16/2021	<0.002	
8/24/2021	<0.002	
3/7/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-21	GWC-21
8/31/2011	<0.002	
10/27/2011	<0.002	
12/4/2011	<0.002	
2/8/2012	<0.002	
7/17/2012	<0.002	
1/9/2013	<0.002	
7/16/2013	<0.002	
1/21/2014	<0.002	
6/24/2014	<0.002	
1/13/2015	<0.002	
7/23/2015	<0.002	
1/26/2016	<0.002	
2/2/2017	<0.002	
8/7/2017	<0.002	
1/26/2018	<0.002	
6/20/2018	<0.002	
1/24/2019	<0.002	
6/25/2019	<0.002	
9/11/2019	<0.002	
3/18/2020	<0.002	
9/15/2020	<0.002	
3/16/2021	0.0012 (J)	
8/19/2021	<0.002	
3/7/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-22
9/15/2011	<0.002	
10/29/2011	<0.002	
12/13/2011	<0.002	
1/25/2012	<0.002	
7/18/2012	<0.002	
1/22/2013	<0.002	
7/16/2013	<0.002	
1/21/2014	<0.002	
6/25/2014	<0.002	
1/14/2015	<0.002	
7/23/2015	<0.002	
1/26/2016	<0.002	
2/3/2017	<0.002	
8/8/2017	<0.002	
1/25/2018	<0.002	
6/20/2018	<0.002	
1/24/2019	<0.002	
6/25/2019	<0.002	
9/10/2019	0.001 (J)	
3/18/2020	<0.002	
9/10/2020	<0.002	
3/15/2021	<0.002	
8/19/2021	<0.002	
3/8/2022		0.0024

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-23	GWC-23
9/16/2011	<0.002	
10/29/2011	<0.002	
12/13/2011	<0.002	
1/31/2012	<0.002	
7/18/2012	<0.002	
1/22/2013	<0.002	
7/23/2013	<0.002	
1/22/2014	<0.002	
7/1/2014	0.0015 (J)	
1/22/2015	<0.002	
7/29/2015	0.0012 (J)	
1/21/2016	<0.002	
2/3/2017	<0.002	
8/8/2017	<0.002	
1/25/2018	<0.002	
6/20/2018	<0.002	
1/25/2019	<0.002	
6/26/2019	<0.002	
9/12/2019	0.00068 (J)	
3/18/2020	<0.002	
9/10/2020	<0.002	
3/18/2021	0.00066 (J)	
8/23/2021	0.0011 (J)	
3/9/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-24	GWC-24
7/8/2014	<0.002	
7/31/2015	0.0028 (J)	
1/20/2016	0.0012 (J)	
2/3/2017	<0.002	
8/8/2017	<0.002	
1/25/2018	<0.002	
6/27/2018	<0.002	
1/31/2019	0.00063 (J)	
6/26/2019	0.00094 (J)	
9/11/2019	0.0013 (J)	
3/12/2020	0.0012 (J)	
9/15/2020	0.0023	
3/18/2021		0.0022
8/19/2021		0.001 (J)
3/10/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-25	GWC-25
9/17/2011	<0.002	
10/31/2011	<0.002	
12/14/2011	<0.002	
2/7/2012	<0.002	
7/17/2012	<0.002	
7/24/2013	<0.002	
1/23/2014	0.0034 (J)	
7/8/2014	0.0017 (J)	
1/21/2015	<0.002	
7/30/2015	0.0028 (J)	
1/21/2016	0.0029 (J)	
1/24/2017	<0.002	
8/3/2017	<0.002	
1/25/2018	<0.002	
6/27/2018	<0.002	
1/24/2019	0.003	
6/25/2019	0.0029	
9/11/2019	0.0072 (o)	
1/14/2020	0.0025	
3/12/2020	0.0022	
9/14/2020	0.0034	
3/17/2021	0.0018 (J)	
8/19/2021	0.0016 (J)	
3/8/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-26	GWC-26
9/17/2011	<0.002	
10/29/2011	<0.002	
12/14/2011	<0.002	
2/7/2012	<0.002	
7/17/2012	<0.002	
1/24/2013	<0.002	
7/24/2013	<0.002	
1/23/2014	0.0027 (J)	
7/8/2014	<0.002	
1/21/2015	<0.002	
7/31/2015	0.0024 (J)	
1/25/2016	<0.002	
1/19/2017	<0.002	
8/3/2017	<0.002	
1/22/2018	<0.002	
6/27/2018	<0.002	
1/24/2019	0.0017 (J)	
6/25/2019	0.002	
9/12/2019	0.001 (J)	
3/13/2020	0.00078 (J)	
9/15/2020	<0.002	
3/17/2021	<0.002	
8/19/2021	0.0011 (J)	
3/9/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-27	GWC-27
9/17/2011	<0.002	
10/29/2011	<0.002	
12/14/2011	<0.002	
1/25/2012	<0.002	
7/17/2012	<0.002	
1/24/2013	<0.002	
7/24/2013	<0.002	
1/23/2014	<0.002	
7/8/2014	<0.002	
1/21/2015	<0.002	
7/30/2015	0.002 (J)	
1/22/2016	0.0038 (JO)	
1/20/2017	<0.002	
8/3/2017	<0.002	
1/19/2018	<0.002	
6/27/2018	<0.002	
1/24/2019	<0.002	
6/26/2019	<0.002	
9/12/2019	0.0011 (J)	
3/12/2020	<0.002	
9/9/2020	<0.002	
3/18/2021	0.00066 (J)	
8/23/2021	<0.002	
3/8/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-31	GWC-31
9/17/2011	<0.002	
10/31/2011	<0.002	
2/7/2012	<0.002	
1/23/2013	<0.002	
1/23/2014	0.0018 (J)	
7/1/2014	0.0048 (J)	
1/21/2015	<0.002	
1/25/2016	<0.002	
1/25/2017	<0.002	
8/4/2017	0.003	
1/23/2018	0.0022 (J)	
6/27/2018	0.0036	
1/31/2019	0.00064 (J)	
6/26/2019	0.0019 (J)	
9/11/2019	0.0063	
1/14/2020	0.005	
3/17/2020	0.0014 (J)	
9/11/2020	0.0013 (J)	
3/16/2021	0.0029	
8/25/2021	0.0019 (J)	
3/10/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-33
9/16/2011	<0.002	
10/30/2011	<0.002	
12/13/2011	<0.002	
2/1/2012	<0.002	
7/17/2012	<0.002	
1/23/2013	<0.002	
7/17/2013	<0.002	
1/23/2014	<0.002	
1/20/2015	<0.002	
7/29/2015	0.0012 (J)	
1/25/2016	<0.002	
1/25/2017	<0.002	
8/4/2017	<0.002	
1/23/2018	<0.002	
6/26/2018	<0.002	
1/30/2019	<0.002	
6/26/2019	<0.002	
9/12/2019	<0.002	
3/12/2020	<0.002	
9/16/2020	0.00079 (J)	
3/18/2021	<0.002	
8/24/2021	<0.002	
3/9/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-34	GWC-34
9/16/2011	<0.002	
10/31/2011	<0.002	
12/12/2011	<0.002	
2/1/2012	<0.002	
7/16/2012	<0.002	
1/22/2013	<0.002	
7/17/2013	<0.002	
1/23/2014	<0.002	
6/25/2014	<0.002	
1/14/2015	<0.002	
7/29/2015	<0.002	
1/21/2016	<0.002	
1/25/2017	<0.002	
8/3/2017	<0.002	
1/23/2018	<0.002	
6/20/2018	<0.002	
1/28/2019	<0.002	
6/26/2019	<0.002	
9/11/2019	0.0013 (J)	
3/11/2020	<0.002	
9/11/2020	<0.002	
3/16/2021	<0.002	
8/24/2021	<0.002	
3/2/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-35	GWC-35
9/16/2011	<0.002	
10/31/2011	<0.002	
12/12/2011	<0.002	
2/1/2012	<0.002	
7/16/2012	<0.002	
1/22/2013	<0.002	
7/2/2013	<0.002	
1/21/2014	0.0017 (J)	
6/25/2014	0.00087 (J)	
1/14/2015	<0.002	
7/28/2015	0.0008 (J)	
1/21/2016	0.00095 (J)	
1/26/2017	<0.002	
8/3/2017	<0.002	
1/23/2018	<0.002	
6/19/2018	<0.002	
1/21/2019	<0.002	
6/26/2019	<0.002	
9/12/2019	<0.002	
3/11/2020	0.00072 (J)	
9/11/2020	<0.002	
3/16/2021	<0.002	
8/18/2021	<0.002	
3/2/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-5	GWC-5
8/31/2011	<0.002	
10/27/2011	<0.002	
12/5/2011	<0.002	
1/25/2012	<0.002	
7/18/2012	<0.002	
1/9/2013	<0.002	
7/17/2013	<0.002	
1/15/2014	0.0012 (J)	
6/25/2014	0.00098 (J)	
1/13/2015	0.00095 (J)	
7/24/2015	<0.002	
1/20/2016	<0.002	
1/26/2017	<0.002	
8/3/2017	<0.002	
1/23/2018	<0.002	
6/25/2018	<0.002	
1/30/2019	<0.002	
6/26/2019	<0.002	
9/12/2019	<0.002	
3/16/2020	<0.002	
9/9/2020	<0.002	
3/17/2021	<0.002	
8/19/2021	<0.002	
3/2/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-6	GWC-6
8/31/2011	<0.002	
10/30/2011	<0.002	
12/5/2011	<0.002	
1/25/2012	<0.002	
7/24/2012	<0.002	
1/8/2013	<0.002	
7/9/2013	<0.002	
1/15/2014	0.0031 (J)	
6/25/2014	<0.002	
1/20/2015	<0.002	
7/24/2015	<0.002	
1/20/2016	0.0011 (J)	
1/26/2017	<0.002	
8/3/2017	<0.002	
1/23/2018	<0.002	
6/25/2018	<0.002	
1/30/2019	<0.002	
6/26/2019	<0.002	
9/12/2019	<0.002	
3/16/2020	<0.002	
9/11/2020	<0.002	
3/17/2021	<0.002	
8/18/2021	<0.002	
3/2/2022		<0.002

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-8	GWC-8
9/7/2011	<0.002	
10/30/2011	<0.002	
12/5/2011	<0.002	
1/19/2012	<0.002	
7/18/2012	<0.002	
1/7/2013	<0.002	
7/9/2013	<0.002	
1/14/2014	0.001 (J)	
6/24/2014	<0.002	
1/20/2015	0.0014 (J)	
7/27/2015	<0.002	
1/26/2016	0.0013 (J)	
1/26/2017	0.0021 (J)	
8/7/2017	0.0035	
1/24/2018	<0.002	
6/21/2018	0.0024 (J)	
1/22/2019	<0.002	
6/25/2019	0.00074 (J)	
9/10/2019	0.00065 (J)	
3/12/2020	0.0014 (J)	
9/14/2020	<0.002	
3/16/2021	0.001 (J)	
8/20/2021	0.0013 (J)	
3/2/2022		0.0019 (J)

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-9	GWC-9
9/7/2011	<0.002	
10/30/2011	<0.002	
12/4/2011	<0.002	
1/19/2012	<0.002	
7/18/2012	<0.002	
1/8/2013	<0.002	
7/9/2013	<0.002	
1/14/2014	<0.002	
6/24/2014	<0.002	
1/20/2015	<0.002	
7/27/2015	<0.002	
1/26/2016	0.0022 (J)	
1/31/2017	0.0021 (J)	
8/7/2017	<0.002	
1/24/2018	<0.002	
6/21/2018	0.0026	
1/22/2019	<0.002	
6/25/2019	<0.002	
9/16/2019	<0.002	
3/16/2020	0.00077 (J)	
9/11/2020	<0.002	
3/16/2021	<0.002	
8/25/2021	<0.002	
3/9/2022		<0.002

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-2	GWA-2
9/17/2011	<0.001	
10/27/2011	<0.001	
12/14/2011	<0.001	
2/7/2012	<0.001	
7/23/2012	<0.001	
1/23/2013	<0.001	
7/24/2013	<0.001	
1/22/2014	<0.001	
7/1/2014	<0.001	
1/22/2015	<0.001	
7/22/2015	<0.001	
1/20/2016	<0.001	
3/23/2016	<0.001	
5/24/2016	<0.001	
7/26/2016	<0.001	
9/16/2016	<0.001	
11/10/2016	<0.001	
1/19/2017	<0.001	
3/17/2017	<0.001	
4/28/2017	<0.001	
8/2/2017	<0.001	
1/19/2018	<0.001	
6/19/2018	<0.001	
1/17/2019	<0.001	
6/24/2019	<0.001	
9/10/2019	0.00014 (J)	
3/10/2020	<0.001	
9/10/2020	<0.001	
3/15/2021	<0.001	
8/18/2021	<0.001	
3/1/2022		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28	GWA-28
9/16/2011	<0.001	
10/28/2011	<0.001	
12/12/2011	<0.001	
1/25/2012	<0.001	
7/16/2012	<0.001	
1/24/2013	<0.001	
7/23/2013	<0.001	
1/22/2014	<0.001	
7/1/2014	<0.001	
1/21/2015	<0.001	
7/21/2015	<0.001	
1/22/2016	<0.001	
3/22/2016	<0.001	
5/23/2016	<0.001	
7/25/2016	<0.001	
9/15/2016	<0.001	
11/9/2016	<0.001	
1/17/2017	<0.001	
3/16/2017	<0.001	
4/27/2017	<0.001	
8/1/2017	<0.001	
1/19/2018	<0.001	
6/19/2018	<0.001	
1/21/2019	<0.001	
6/25/2019	<0.001	
9/10/2019	<0.001	
3/10/2020	<0.001	
9/9/2020	0.00024 (J)	
3/15/2021	<0.001	
8/16/2021	<0.001	
3/1/2022		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29	GWA-29
9/17/2011	<0.001	
10/28/2011	<0.001	
12/12/2011	<0.001	
1/31/2012	<0.001	
7/17/2012	<0.001	
1/24/2013	<0.001	
7/24/2013	<0.001	
1/22/2014	<0.001	
7/8/2014	<0.001 (D)	
1/21/2015	<0.001	
7/22/2015	<0.001	
1/19/2016	<0.001 (D)	
3/22/2016	<0.001	
5/19/2016	<0.001	
7/21/2016	<0.001	
1/17/2017	<0.001	
4/27/2017	<0.001	
7/18/2017	<0.001	
8/1/2017	<0.001	
1/19/2018	<0.001	
6/19/2018	<0.001	
1/18/2019	<0.001	
6/25/2019	0.00029 (J)	
9/10/2019	0.00028 (J)	
3/10/2020	<0.001	
9/9/2020	0.00013 (J)	
3/15/2021	0.00013 (J)	
8/18/2021	0.00021 (J)	
3/2/2022		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-3	GWA-3
8/31/2011	<0.001	
6/25/2014	<0.001	
7/21/2015	<0.001	
3/31/2016	<0.001	
5/25/2016	<0.001	
7/27/2016	<0.001	
8/1/2017	<0.001	
10/3/2017	<0.001	
6/20/2018	<0.001	
1/18/2019	0.00011 (J)	
6/25/2019	<0.001	
9/11/2019	0.00017 (J)	
3/10/2020	0.002	
9/9/2020	0.00014 (J)	
3/15/2021	<0.001	
8/18/2021	<0.001	
3/1/2022		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-4	GWA-4
8/31/2011	<0.001	
10/27/2011	<0.001	
12/14/2011	<0.001	
2/1/2012	<0.001	
7/23/2012	<0.001	
1/23/2013	<0.001	
7/17/2013	<0.001	
1/15/2014	<0.001	
6/25/2014	<0.001	
1/14/2015	<0.001	
7/21/2015	<0.001	
1/20/2016	<0.001	
3/23/2016	<0.001	
5/19/2016	<0.001	
7/21/2016	<0.001	
9/14/2016	<0.001	
11/10/2016	<0.001	
1/17/2017	<0.001	
3/16/2017	<0.001	
4/27/2017	<0.001	
8/2/2017	<0.001	
1/22/2018	<0.001	
6/19/2018	<0.001	
1/17/2019	<0.001	
6/24/2019	<0.001	
9/10/2019	<0.001	
3/10/2020	<0.001	
9/9/2020	<0.001	
3/15/2021	<0.001	
8/18/2021	0.00031 (J)	
3/1/2022		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-10	GWC-10
1/25/2016	<0.001	
3/30/2016	<0.001	
5/25/2016	<0.001	
7/27/2016	0.0013	
9/16/2016	<0.001	
11/17/2016	<0.001	
2/1/2017	<0.001	
3/24/2017	<0.001	
5/3/2017	<0.001	
8/8/2017	<0.001	
1/25/2018	<0.001	
6/21/2018	<0.001	
1/31/2019	0.00013 (J)	
6/26/2019	<0.001	
9/17/2019	0.00014 (J)	
3/17/2020	0.00015 (J)	
9/10/2020	0.0022	
12/2/2020	<0.001	
3/18/2021	0.00013 (J)	
8/20/2021	<0.001	
3/8/2022		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-11	GWC-11
9/13/2011	<0.001	
10/28/2011	<0.001	
12/4/2011	<0.001	
2/9/2012	<0.001	
7/18/2012	<0.001	
1/8/2013	<0.001	
7/9/2013	<0.001	
1/15/2014	<0.001	
6/25/2014	<0.001	
1/21/2015	<0.001	
7/28/2015	<0.001	
1/26/2016	<0.001	
3/29/2016	<0.001	
5/25/2016	<0.001	
7/25/2016	<0.001	
9/19/2016	<0.001	
11/16/2016	<0.001	
1/31/2017	<0.001	
3/23/2017	<0.001	
5/2/2017	<0.001	
8/7/2017	<0.001	
1/24/2018	<0.001	
6/20/2018	<0.001	
1/24/2019	<0.001	
6/26/2019	<0.001	
9/16/2019	<0.001	
3/16/2020	0.00037 (J)	
9/10/2020	0.00023 (J)	
3/17/2021	<0.001	
8/23/2021	<0.001	
3/7/2022		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-12	GWC-12
9/13/2011	<0.001	
10/28/2011	<0.001	
12/4/2011	<0.001	
1/24/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/10/2013	<0.001	
1/21/2014	<0.001	
7/1/2014	<0.001	
1/21/2015	<0.001	
7/28/2015	<0.001	
1/26/2016	<0.001	
3/29/2016	<0.001	
5/25/2016	<0.001	
7/22/2016	<0.001	
9/15/2016	<0.001	
11/16/2016	<0.001	
1/31/2017	<0.001	
3/23/2017	<0.001	
5/3/2017	<0.001	
8/7/2017	<0.001	
1/24/2018	<0.001	
6/26/2018	<0.001	
1/25/2019	<0.001	
6/26/2019	<0.001	
9/11/2019	<0.001	
3/18/2020	0.0002 (J)	
9/10/2020	<0.001	
3/16/2021	<0.001	
8/19/2021	<0.001	
3/7/2022		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-15	GWC-15
9/16/2011	<0.001	
10/27/2011	<0.001	
12/3/2011	<0.001	
2/9/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/2/2013	<0.001	
1/21/2014	<0.001	
6/24/2014	<0.001	
1/14/2015	<0.001	
7/22/2015	<0.001	
1/27/2016	<0.001	
3/30/2016	<0.001	
5/25/2016	<0.001	
7/26/2016	<0.001	
9/20/2016	<0.001	
11/17/2016	<0.001	
2/1/2017	<0.001	
3/23/2017	<0.001	
5/3/2017	<0.001	
8/4/2017	<0.001	
1/25/2018	<0.001	
6/20/2018	<0.001	
1/22/2019	<0.001	
6/25/2019	<0.001	
9/17/2019	<0.001	
3/16/2020	0.00014 (J)	
9/10/2020	<0.001	
3/18/2021	<0.001	
8/24/2021	<0.001	
3/7/2022		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-17	GWC-17
8/30/2011	<0.001	
10/26/2011	<0.001	
12/3/2011	<0.001	
1/25/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/16/2013	<0.001	
1/14/2014	<0.001	
6/25/2014	<0.001	
1/14/2015	<0.001	
7/28/2015	<0.001	
1/27/2016	<0.001	
3/30/2016	<0.001	
5/25/2016	<0.001	
7/27/2016	<0.001	
9/19/2016	<0.001	
11/17/2016	<0.001	
2/1/2017	0.0009 (J)	
3/24/2017	<0.001	
5/3/2017	<0.001	
8/7/2017	<0.001	
1/25/2018	<0.001	
6/26/2018	<0.001	
1/24/2019	<0.001	
6/25/2019	<0.001	
9/11/2019	<0.001	
3/17/2020	<0.001	
9/14/2020	<0.001	
3/16/2021	<0.001	
8/20/2021	<0.001	
3/8/2022		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-18	GWC-18
8/30/2011	<0.001	
10/26/2011	<0.001	
12/3/2011	<0.001	
2/9/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/16/2013	<0.001	
1/14/2014	<0.001	
6/24/2014	<0.001	
1/13/2015	0.0026 (JO)	
7/23/2015	<0.001	
1/27/2016	<0.001	
3/30/2016	<0.001	
5/26/2016	<0.001	
7/25/2016	<0.001	
9/19/2016	<0.001	
11/17/2016	<0.001	
2/1/2017	<0.001	
3/24/2017	<0.001	
5/3/2017	<0.001	
8/7/2017	<0.001	
1/25/2018	<0.001	
6/21/2018	<0.001	
1/28/2019	0.00016 (J)	
6/27/2019	<0.001	
9/11/2019	<0.001	
3/17/2020	<0.001	
9/14/2020	<0.001	
3/16/2021	<0.001	
8/24/2021	<0.001	
3/8/2022		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-19	GWC-19
8/30/2011	<0.001	
10/26/2011	<0.001	
12/3/2011	<0.001	
2/8/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/16/2013	<0.001	
1/21/2014	<0.001	
6/24/2014	<0.001	
1/13/2015	<0.001	
7/23/2015	<0.001	
1/27/2016	<0.001	
3/30/2016	<0.001	
5/26/2016	<0.001	
7/25/2016	<0.001	
9/19/2016	<0.001	
11/17/2016	<0.001	
2/2/2017	<0.001	
3/24/2017	<0.001	
5/3/2017	0.0013	
8/7/2017	<0.001	
1/25/2018	<0.001	
6/21/2018	<0.001	
1/28/2019	0.00011 (J)	
6/26/2019	<0.001	
9/12/2019	<0.001	
3/18/2020	<0.001	
9/15/2020	<0.001	
3/17/2021	0.00017 (J)	
8/24/2021	0.00019 (J)	
3/8/2022		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-20	GWC-20
8/31/2011	<0.001	
10/27/2011	<0.001	
12/4/2011	<0.001	
2/8/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/16/2013	<0.001	
1/21/2014	<0.001	
6/24/2014	<0.001	
1/13/2015	<0.001	
7/23/2015	<0.001	
1/27/2016	<0.001	
3/30/2016	<0.001	
5/26/2016	<0.001	
7/25/2016	<0.001	
9/20/2016	<0.001	
11/17/2016	<0.001	
2/2/2017	<0.001	
3/28/2017	<0.001	
5/4/2017	<0.001	
8/7/2017	0.011 (O)	
1/26/2018	<0.001	
6/21/2018	<0.001	
1/28/2019	0.00014 (J)	
6/25/2019	<0.001	
9/11/2019	<0.001	
3/18/2020	<0.001	
9/15/2020	<0.001	
3/16/2021	0.00014 (J)	
8/24/2021	<0.001	
3/7/2022		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-21	GWC-21
8/31/2011	<0.001	
10/27/2011	<0.001	
12/4/2011	<0.001	
2/8/2012	<0.001	
7/17/2012	<0.001	
1/9/2013	<0.001	
7/16/2013	<0.001	
1/21/2014	<0.001	
6/24/2014	<0.001	
1/13/2015	<0.001	
7/23/2015	<0.001	
1/26/2016	<0.001	
3/30/2016	<0.001	
5/26/2016	<0.001	
7/26/2016	<0.001	
9/20/2016	<0.001	
11/17/2016	<0.001	
2/2/2017	<0.001	
3/28/2017	<0.001	
5/4/2017	<0.001	
8/7/2017	<0.001	
1/26/2018	<0.001	
6/20/2018	<0.001	
1/24/2019	<0.001	
6/25/2019	<0.001	
9/11/2019	0.00017 (J)	
3/18/2020	<0.001	
9/15/2020	<0.001	
3/16/2021	0.00019 (J)	
8/19/2021	0.00018 (J)	
3/7/2022		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-22
9/15/2011	<0.001	
10/29/2011	<0.001	
12/13/2011	<0.001	
1/25/2012	<0.001	
7/18/2012	<0.001	
1/22/2013	<0.001	
7/16/2013	<0.001	
1/21/2014	<0.001	
6/25/2014	<0.001	
1/14/2015	<0.001	
7/23/2015	<0.001	
1/26/2016	<0.001	
3/31/2016	<0.001	
5/26/2016	<0.001	
7/26/2016	<0.001	
9/20/2016	<0.001	
11/17/2016	<0.001	
2/3/2017	<0.001	
3/28/2017	<0.001	
5/3/2017	<0.001	
8/8/2017	<0.001	
1/25/2018	<0.001	
6/20/2018	<0.001	
1/24/2019	<0.001	
6/25/2019	<0.001	
9/10/2019	<0.001	
3/18/2020	0.00067 (J)	
9/10/2020	<0.001	
3/15/2021	0.00025 (J)	
8/19/2021	<0.001	
3/8/2022		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-23	GWC-23
9/16/2011	<0.001	
10/29/2011	<0.001	
12/13/2011	<0.001	
1/31/2012	<0.001	
7/18/2012	<0.001	
1/22/2013	<0.001	
7/23/2013	<0.001	
1/22/2014	<0.001	
7/1/2014	<0.001	
1/22/2015	<0.001	
7/29/2015	<0.001	
1/21/2016	<0.001	
3/29/2016	<0.001	
5/25/2016	<0.001	
7/27/2016	<0.001	
9/20/2016	<0.001	
11/18/2016	<0.001	
2/3/2017	<0.001	
3/28/2017	<0.001	
5/4/2017	<0.001	
8/8/2017	<0.001	
1/25/2018	<0.001	
6/20/2018	<0.001	
1/25/2019	<0.001	
6/26/2019	<0.001	
9/12/2019	<0.001	
3/18/2020	0.00022 (J)	
9/10/2020	<0.001	
3/18/2021	0.00029 (J)	
8/23/2021	0.00033 (J)	
3/9/2022		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-24	GWC-24
7/8/2014	<0.001	
7/31/2015	<0.001	
1/20/2016	<0.001	
3/30/2016	<0.001	
5/25/2016	<0.001	
7/27/2016	<0.001	
9/16/2016	<0.001	
11/18/2016	<0.001	
2/3/2017	<0.001	
3/29/2017	<0.001	
5/4/2017	<0.001	
8/8/2017	<0.001	
1/25/2018	<0.001	
6/27/2018	<0.001	
1/31/2019	0.00013 (J)	
6/26/2019	0.00016 (J)	
9/11/2019	0.00015 (J)	
3/12/2020	0.00013 (J)	
9/15/2020	<0.001	
3/18/2021	0.00022 (J)	
8/19/2021	0.0015	
3/10/2022		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-25	GWC-25
9/17/2011	<0.001	
10/31/2011	<0.001	
12/14/2011	<0.001	
2/7/2012	<0.001	
7/17/2012	<0.001	
7/24/2013	<0.001	
1/23/2014	<0.001	
7/8/2014	<0.001	
1/21/2015	<0.001	
7/30/2015	<0.001	
1/21/2016	<0.001	
3/28/2016	<0.001	
5/25/2016	<0.001	
7/27/2016	<0.001	
9/19/2016	<0.001	
11/15/2016	<0.001	
1/24/2017	<0.001	
3/23/2017	<0.001	
5/2/2017	0.0021 (O)	
8/3/2017	<0.001	
1/25/2018	<0.001	
6/27/2018	<0.001	
1/24/2019	0.00021 (J)	
6/25/2019	<0.001	
9/11/2019	0.00024 (J)	
3/12/2020	0.00018 (J)	
9/14/2020	<0.001	
3/17/2021	0.00013 (J)	
8/19/2021	0.00028 (J)	
3/8/2022		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-26	GWC-26
9/17/2011	<0.001	
10/29/2011	<0.001	
12/14/2011	<0.001	
2/7/2012	<0.001	
7/17/2012	<0.001	
1/24/2013	<0.001	
7/24/2013	<0.001	
1/23/2014	<0.001	
7/8/2014	<0.001	
1/21/2015	<0.001	
7/31/2015	<0.001	
1/25/2016	<0.001	
3/24/2016	<0.001	
5/25/2016	<0.001	
7/26/2016	<0.001	
9/19/2016	<0.001	
11/14/2016	<0.001	
1/19/2017	<0.001	
3/16/2017	<0.001	
5/1/2017	<0.001	
8/3/2017	<0.001	
1/22/2018	<0.001	
6/27/2018	<0.001	
1/24/2019	9.8E-05 (J)	
6/25/2019	<0.001	
9/12/2019	<0.001	
3/13/2020	0.00013 (J)	
9/15/2020	<0.001	
3/17/2021	<0.001	
8/19/2021	0.0015	
3/9/2022		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-27	GWC-27
9/17/2011	<0.001	
10/29/2011	<0.001	
12/14/2011	<0.001	
1/25/2012	<0.001	
7/17/2012	<0.001	
1/24/2013	<0.001	
7/24/2013	<0.001	
1/23/2014	<0.001	
7/8/2014	<0.001	
1/21/2015	<0.001	
7/30/2015	<0.001	
1/22/2016	<0.001	
3/23/2016	<0.001	
5/24/2016	<0.001	
7/26/2016	<0.001	
9/19/2016	<0.001	
11/11/2016	<0.001	
1/20/2017	<0.001	
3/16/2017	<0.001	
4/28/2017	<0.001	
8/3/2017	<0.001	
1/19/2018	<0.001	
6/27/2018	<0.001	
1/24/2019	9.8E-05 (J)	
6/26/2019	<0.001	
9/12/2019	0.00016 (J)	
3/12/2020	<0.001	
9/9/2020	0.00023 (J)	
3/18/2021	<0.001	
8/23/2021	0.00027 (J)	
3/8/2022		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-30	GWC-30
9/15/2011	<0.001	
10/28/2011	<0.001	
12/13/2011	<0.001	
2/8/2012	<0.001	
7/18/2012	<0.001	
1/24/2013	<0.001	
7/24/2013	<0.001	
1/23/2014	<0.001	
7/1/2014	<0.001	
1/20/2015	<0.001	
7/30/2015	<0.001	
1/19/2016	<0.001	
3/23/2016	<0.001	
5/20/2016	<0.001	
7/21/2016	<0.001	
9/20/2016	<0.001	
11/14/2016	<0.001	
1/24/2017	<0.001	
3/17/2017	<0.001	
5/1/2017	<0.001	
8/4/2017	<0.001	
1/24/2018	<0.001	
6/21/2018	<0.001	
1/30/2019	<0.001	
6/27/2019	<0.001	
9/10/2019	<0.001	
3/11/2020	<0.001	
9/10/2020	0.00016 (J)	
3/18/2021	<0.001	
8/23/2021	<0.001	
3/2/2022		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-31	GWC-31
9/17/2011	<0.001	
10/31/2011	<0.001	
2/7/2012	<0.001	
1/23/2013	<0.001	
1/23/2014	0.0012 (J)	
7/1/2014	<0.001	
1/21/2015	<0.001	
1/25/2016	<0.001	
3/30/2016	<0.001	
5/25/2016	<0.001	
7/27/2016	0.00078 (J)	
1/25/2017	0.00042 (J)	
3/23/2017	<0.001	
5/2/2017	0.00039 (J)	
7/19/2017	0.00051 (J)	
8/4/2017	0.00037 (J)	
1/23/2018	<0.001	
6/27/2018	<0.001	
1/31/2019	0.00015 (J)	
6/26/2019	0.00022 (J)	
9/11/2019	0.0013	
3/17/2020	0.00051 (J)	
9/11/2020	0.00026 (J)	
3/16/2021	0.00046 (J)	
8/25/2021	0.00031 (J)	
3/10/2022		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-33
9/16/2011	<0.001	
10/30/2011	<0.001	
12/13/2011	<0.001	
2/1/2012	<0.001	
7/17/2012	<0.001	
1/23/2013	<0.001	
7/17/2013	<0.001	
1/23/2014	<0.001	
1/20/2015	<0.001	
7/29/2015	<0.001	
1/25/2016	<0.001	
3/23/2016	<0.001	
5/24/2016	<0.001	
7/22/2016	<0.001	
9/16/2016	<0.001	
11/17/2016	<0.001	
1/25/2017	<0.001	
3/23/2017	<0.001	
5/1/2017	<0.001	
8/4/2017	<0.001	
1/23/2018	<0.001	
6/26/2018	<0.001	
1/30/2019	<0.001	
6/26/2019	<0.001	
9/12/2019	0.00031 (J)	
3/12/2020	0.00015 (J)	
9/16/2020	<0.001	
3/18/2021	<0.001	
8/24/2021	0.00027 (J)	
3/9/2022		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-34	GWC-34
9/16/2011	<0.001	
10/31/2011	<0.001	
12/12/2011	<0.001	
2/1/2012	<0.001	
7/16/2012	<0.001	
1/22/2013	<0.001	
7/17/2013	<0.001	
1/23/2014	<0.001	
6/25/2014	<0.001	
1/14/2015	<0.001	
7/29/2015	<0.001	
1/21/2016	<0.001	
3/24/2016	<0.001	
5/23/2016	<0.001	
7/21/2016	<0.001	
9/15/2016	<0.001	
11/15/2016	<0.001	
1/25/2017	<0.001	
3/22/2017	<0.001	
5/1/2017	<0.001	
8/3/2017	<0.001	
1/23/2018	<0.001	
6/20/2018	<0.001	
1/28/2019	0.00022 (J)	
6/26/2019	<0.001	
9/11/2019	<0.001	
3/11/2020	<0.001	
9/11/2020	<0.001	
3/16/2021	<0.001	
8/24/2021	<0.001	
3/2/2022		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-5	GWC-5
8/31/2011	<0.001	
10/27/2011	<0.001	
12/5/2011	<0.001	
1/25/2012	<0.001	
7/18/2012	<0.001	
1/9/2013	<0.001	
7/17/2013	<0.001	
1/15/2014	<0.001	
6/25/2014	<0.001	
1/13/2015	<0.001	
7/24/2015	<0.001	
1/20/2016	<0.001	
3/28/2016	<0.001	
5/23/2016	<0.001	
7/21/2016	<0.001	
9/15/2016	<0.001	
11/15/2016	<0.001	
1/26/2017	<0.001	
3/22/2017	<0.001	
5/2/2017	<0.001	
8/3/2017	<0.001	
1/23/2018	<0.001	
6/25/2018	<0.001	
1/30/2019	0.00014 (J)	
6/26/2019	<0.001	
9/12/2019	<0.001	
3/16/2020	<0.001	
9/9/2020	<0.001	
3/17/2021	<0.001	
8/19/2021	<0.001	
3/2/2022		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-8	GWC-8
9/7/2011	<0.001	
10/30/2011	<0.001	
12/5/2011	<0.001	
1/19/2012	<0.001	
7/18/2012	<0.001	
1/7/2013	<0.001	
7/9/2013	<0.001	
1/14/2014	<0.001	
6/24/2014	<0.001	
1/20/2015	<0.001	
7/27/2015	<0.001	
1/26/2016	<0.001	
3/29/2016	<0.001	
5/24/2016	<0.001	
7/26/2016	<0.001	
9/19/2016	<0.001	
11/16/2016	<0.001	
1/26/2017	<0.001	
3/23/2017	<0.001	
5/3/2017	<0.001	
8/7/2017	<0.001	
1/24/2018	<0.001	
6/21/2018	0.00036 (J)	
1/22/2019	<0.001	
6/25/2019	<0.001	
9/10/2019	<0.001	
3/12/2020	0.00028 (J)	
9/14/2020	<0.001	
3/16/2021	<0.001	
8/20/2021	0.00031 (J)	
3/2/2022		<0.001

Prediction Limit

Constituent: Lead (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-9	GWC-9
9/7/2011	<0.001	
10/30/2011	<0.001	
12/4/2011	<0.001	
1/19/2012	<0.001	
7/18/2012	<0.001	
1/8/2013	<0.001	
7/9/2013	<0.001	
1/14/2014	<0.001	
6/24/2014	<0.001	
1/20/2015	<0.001	
7/27/2015	<0.001	
1/26/2016	<0.001	
3/29/2016	<0.001	
5/24/2016	<0.001	
7/25/2016	<0.001	
9/19/2016	<0.001	
11/16/2016	<0.001	
1/31/2017	<0.001	
3/23/2017	<0.001	
5/2/2017	<0.001	
8/7/2017	<0.001	
1/24/2018	<0.001	
6/21/2018	<0.001	
1/22/2019	<0.001	
6/25/2019	<0.001	
9/16/2019	<0.001	
3/16/2020	0.00025 (J)	
9/11/2020	<0.001	
3/16/2021	<0.001	
8/25/2021	<0.001	
3/9/2022		<0.001

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1	GWA-1
9/16/2011	<0.0002	
10/27/2011	<0.0002	
12/13/2011	<0.0002	
1/31/2012	<0.0002	
7/18/2012	<0.0002	
1/24/2013	<0.0002	
7/17/2013	<0.0002	
1/21/2014	<0.0002	
6/25/2014	<0.0002	
1/14/2015	<0.0002	
7/21/2015	<0.0002	
1/21/2016	<0.0002	
3/23/2016	<0.0002	
5/20/2016	<0.0002	
7/21/2016	9.7E-05 (J)	
9/15/2016	<0.0002	
11/11/2016	<0.0002	
1/19/2017	<0.0002	
3/16/2017	0.00015 (J)	
4/28/2017	<0.0002	
8/3/2017	<0.0002	
1/19/2018	<0.0002	
6/19/2018	<0.0002	
1/17/2019	<0.0002	
6/24/2019	<0.0002	
9/9/2019	<0.0002	
3/10/2020	<0.0002	
9/9/2020	<0.0002	
3/15/2021	<0.0002	
8/16/2021	<0.0002	
2/28/2022		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-2	GWA-2
9/17/2011	<0.0002	
10/27/2011	<0.0002	
12/14/2011	<0.0002	
2/7/2012	<0.0002	
7/23/2012	<0.0002	
1/23/2013	<0.0002	
7/24/2013	<0.0002	
1/22/2014	<0.0002	
7/1/2014	<0.0002	
1/22/2015	<0.0002	
7/22/2015	<0.0002	
1/20/2016	<0.0002	
3/23/2016	<0.0002	
5/24/2016	<0.0002	
7/26/2016	0.00012 (J)	
9/16/2016	<0.0002	
11/10/2016	<0.0002	
1/19/2017	<0.0002	
3/17/2017	0.00015 (J)	
4/28/2017	<0.0002	
8/2/2017	<0.0002	
1/19/2018	<0.0002	
6/19/2018	<0.0002	
1/17/2019	<0.0002	
6/24/2019	<0.0002	
9/10/2019	<0.0002	
3/10/2020	<0.0002	
9/10/2020	<0.0002	
3/15/2021	<0.0002	
8/18/2021	<0.0002	
3/1/2022		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28	GWA-28
9/16/2011	<0.0002	
10/28/2011	<0.0002	
12/12/2011	<0.0002	
1/25/2012	<0.0002	
7/16/2012	<0.0002	
1/24/2013	<0.0002	
7/23/2013	<0.0002	
1/22/2014	<0.0002	
7/1/2014	<0.0002	
1/21/2015	<0.0002	
7/21/2015	<0.0002	
1/22/2016	<0.0002	
3/22/2016	<0.0002	
5/23/2016	<0.0002	
7/25/2016	8.9E-05 (J)	
9/15/2016	<0.0002	
11/9/2016	<0.0002	
1/17/2017	<0.0002	
3/16/2017	0.00016 (J)	
4/27/2017	<0.0002	
8/1/2017	<0.0002	
1/19/2018	<0.0002	
6/19/2018	<0.0002	
1/21/2019	<0.0002	
6/25/2019	<0.0002	
9/10/2019	<0.0002	
3/10/2020	<0.0002	
9/9/2020	<0.0002	
3/15/2021	<0.0002	
8/16/2021	<0.0002	
3/1/2022		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29	GWA-29
9/17/2011	<0.0002	
10/28/2011	<0.0002	
12/12/2011	<0.0002	
1/31/2012	<0.0002	
7/17/2012	<0.0002	
1/24/2013	<0.0002	
7/24/2013	<0.0002	
1/22/2014	<0.0002	
7/8/2014	<0.0002 (D)	
1/21/2015	<0.0002	
7/22/2015	<0.0002	
1/19/2016	<0.0002 (D)	
3/22/2016	<0.0002	
5/19/2016	<0.0002	
7/21/2016	<0.0002	
1/17/2017	<0.0002	
4/27/2017	<0.0002	
7/18/2017	<0.0002	
8/1/2017	<0.0002	
1/19/2018	<0.0002	
6/19/2018	<0.0002	
1/18/2019	<0.0002	
6/25/2019	<0.0002	
9/10/2019	0.00021	
3/10/2020	<0.0002	
9/9/2020	<0.0002	
3/15/2021	<0.0002	
8/18/2021	<0.0002	
3/2/2022		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-3	GWA-3
8/31/2011	<0.0002	
6/25/2014	<0.0002	
7/21/2015	<0.0002	
3/31/2016	<0.0002	
5/25/2016	<0.0002	
7/27/2016	0.00011 (J)	
8/1/2017	<0.0002	
10/3/2017	<0.0002	
6/20/2018	<0.0002	
1/18/2019	<0.0002	
6/25/2019	<0.0002	
9/11/2019	<0.0002	
3/10/2020	<0.0002	
9/9/2020	<0.0002	
3/15/2021	<0.0002	
8/18/2021	<0.0002	
3/1/2022		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-4	GWA-4
8/31/2011	<0.0002	
10/27/2011	<0.0002	
12/14/2011	<0.0002	
2/1/2012	<0.0002	
7/23/2012	<0.0002	
1/23/2013	<0.0002	
7/17/2013	<0.0002	
1/15/2014	<0.0002	
6/25/2014	<0.0002	
1/14/2015	<0.0002	
7/21/2015	<0.0002	
1/20/2016	<0.0002	
3/23/2016	<0.0002	
5/19/2016	<0.0002	
7/21/2016	8.7E-05 (J)	
9/14/2016	<0.0002	
11/10/2016	<0.0002	
1/17/2017	<0.0002	
3/16/2017	0.00016 (J)	
4/27/2017	<0.0002	
8/2/2017	<0.0002	
1/22/2018	<0.0002	
6/19/2018	<0.0002	
1/17/2019	<0.0002	
6/24/2019	<0.0002	
9/10/2019	<0.0002	
3/10/2020	<0.0002	
9/9/2020	<0.0002	
3/15/2021	<0.0002	
8/18/2021	<0.0002	
3/1/2022		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-10	GWC-10
1/25/2016	<0.0002	
3/30/2016	<0.0002	
5/25/2016	<0.0002	
7/27/2016	9.4E-05 (J)	
9/16/2016	<0.0002	
11/17/2016	<0.0002	
2/1/2017	0.00011 (J)	
3/24/2017	<0.0002	
5/3/2017	<0.0002	
8/8/2017	<0.0002	
1/25/2018	<0.0002	
6/21/2018	<0.0002	
1/31/2019	<0.0002	
6/26/2019	<0.0002	
9/17/2019	<0.0002	
3/17/2020	<0.0002	
9/10/2020	<0.0002	
3/18/2021	<0.0002	
8/20/2021	<0.0002	
3/8/2022		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-11	GWC-11
9/13/2011	<0.0002	
10/28/2011	<0.0002	
12/4/2011	<0.0002	
2/9/2012	<0.0002	
7/18/2012	<0.0002	
1/8/2013	<0.0002	
7/9/2013	<0.0002	
1/15/2014	<0.0002	
6/25/2014	<0.0002	
1/21/2015	<0.0002	
7/28/2015	<0.0002	
1/26/2016	<0.0002	
3/29/2016	<0.0002	
5/25/2016	<0.0002	
7/25/2016	9.6E-05 (J)	
9/19/2016	<0.0002	
11/16/2016	<0.0002	
1/31/2017	7.1E-05 (J)	
3/23/2017	<0.0002	
5/2/2017	<0.0002	
8/7/2017	<0.0002	
1/24/2018	<0.0002	
6/20/2018	<0.0002	
1/24/2019	<0.0002	
6/26/2019	<0.0002	
9/16/2019	<0.0002	
3/16/2020	<0.0002	
9/10/2020	<0.0002	
3/17/2021	<0.0002	
8/23/2021	<0.0002	
3/7/2022		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-12	GWC-12
9/13/2011	<0.0002	
10/28/2011	<0.0002	
12/4/2011	<0.0002	
1/24/2012	<0.0002	
7/11/2012	<0.0002	
1/8/2013	<0.0002	
7/10/2013	<0.0002	
1/21/2014	<0.0002	
7/1/2014	<0.0002	
1/21/2015	<0.0002	
7/28/2015	<0.0002	
1/26/2016	<0.0002	
3/29/2016	<0.0002	
5/25/2016	<0.0002	
7/22/2016	<0.0002	
9/15/2016	<0.0002	
11/16/2016	<0.0002	
1/31/2017	0.00013 (J)	
3/23/2017	<0.0002	
5/3/2017	<0.0002	
8/7/2017	<0.0002	
1/24/2018	<0.0002	
6/26/2018	<0.0002	
1/25/2019	<0.0002	
6/26/2019	<0.0002	
9/11/2019	<0.0002	
3/18/2020	<0.0002	
9/10/2020	<0.0002	
3/16/2021	<0.0002	
8/19/2021	<0.0002	
3/7/2022		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-13
9/13/2011	<0.0002	
10/28/2011	<0.0002	
12/4/2011	<0.0002	
1/24/2012	<0.0002	
7/11/2012	<0.0002	
1/8/2013	<0.0002	
7/10/2013	<0.0002	
1/21/2014	<0.0002	
7/1/2014	<0.0002	
1/21/2015	<0.0002	
7/28/2015	<0.0002	
1/27/2016	<0.0002	
3/29/2016	<0.0002	
5/25/2016	<0.0002	
7/26/2016	0.00012 (J)	
9/15/2016	<0.0002	
11/17/2016	<0.0002	
1/31/2017	9.6E-05 (J)	
3/23/2017	<0.0002	
5/3/2017	<0.0002	
8/4/2017	<0.0002	
1/25/2018	<0.0002	
6/20/2018	<0.0002	
1/22/2019	<0.0002	
6/25/2019	<0.0002	
9/12/2019	<0.0002	
3/12/2020	<0.0002	
9/10/2020	<0.0002	
3/17/2021	<0.0002	
8/23/2021	<0.0002	
3/8/2022		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-14	GWC-14
9/13/2011	<0.0002	
10/27/2011	<0.0002	
12/3/2011	<0.0002	
1/24/2012	<0.0002	
7/11/2012	<0.0002	
1/8/2013	<0.0002	
7/10/2013	<0.0002	
1/21/2014	<0.0002	
7/1/2014	<0.0002	
1/14/2015	<0.0002	
7/22/2015	3.99E-05 (J)	
1/27/2016	<0.0002	
3/30/2016	<0.0002	
5/25/2016	<0.0002	
7/26/2016	0.00012 (J)	
9/15/2016	<0.0002	
11/17/2016	8.7E-05 (J)	
2/1/2017	9.2E-05 (J)	
3/23/2017	<0.0002	
5/3/2017	<0.0002	
8/7/2017	<0.0002	
1/25/2018	<0.0002	
6/20/2018	8.5E-05 (J)	
1/22/2019	<0.0002	
6/25/2019	<0.0002	
9/12/2019	<0.0002	
3/17/2020	<0.0002	
9/10/2020	<0.0002	
3/17/2021	<0.0002	
8/23/2021	<0.0002	
3/7/2022		0.00023

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-15	GWC-15
9/16/2011	<0.0002	
10/27/2011	<0.0002	
12/3/2011	<0.0002	
2/9/2012	<0.0002	
7/11/2012	<0.0002	
1/8/2013	<0.0002	
7/2/2013	<0.0002	
1/21/2014	<0.0002	
6/24/2014	<0.0002	
1/14/2015	<0.0002	
7/22/2015	<0.0002	
1/27/2016	<0.0002	
3/30/2016	<0.0002	
5/25/2016	<0.0002	
7/26/2016	0.00012 (J)	
9/20/2016	<0.0002	
11/17/2016	<0.0002	
2/1/2017	0.00013 (J)	
3/23/2017	<0.0002	
5/3/2017	<0.0002	
8/4/2017	<0.0002	
1/25/2018	<0.0002	
6/20/2018	<0.0002	
1/22/2019	<0.0002	
6/25/2019	<0.0002	
9/17/2019	<0.0002	
3/16/2020	<0.0002	
9/10/2020	<0.0002	
3/18/2021	<0.0002	
8/24/2021	<0.0002	
3/7/2022		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-16	GWC-16
8/30/2011	<0.0002	
10/26/2011	<0.0002	
12/3/2011	<0.0002	
1/25/2012	<0.0002	
7/11/2012	<0.0002	
1/8/2013	<0.0002	
7/2/2013	<0.0002	
1/14/2014	<0.0002	
6/25/2014	<0.0002	
1/13/2015	<0.0002	
7/22/2015	<0.0002	
1/27/2016	<0.0002	
3/30/2016	<0.0002	
5/25/2016	<0.0002	
7/27/2016	8.9E-05 (J)	
9/16/2016	<0.0002	
11/17/2016	<0.0002	
2/1/2017	0.00015 (J)	
3/24/2017	<0.0002	
5/3/2017	<0.0002	
8/7/2017	<0.0002	
1/25/2018	<0.0002	
6/20/2018	<0.0002	
1/25/2019	<0.0002	
6/25/2019	<0.0002	
9/11/2019	<0.0002	
3/17/2020	<0.0002	
9/11/2020	<0.0002	
3/17/2021	<0.0002	
8/20/2021	<0.0002	
3/8/2022		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-17	GWC-17
8/30/2011	<0.0002	
10/26/2011	<0.0002	
12/3/2011	<0.0002	
1/25/2012	<0.0002	
7/11/2012	<0.0002	
1/8/2013	<0.0002	
7/16/2013	<0.0002	
1/14/2014	<0.0002	
6/25/2014	<0.0002	
1/14/2015	<0.0002	
7/28/2015	<0.0002	
1/27/2016	<0.0002	
3/30/2016	<0.0002	
5/25/2016	<0.0002	
7/27/2016	9.7E-05 (J)	
9/19/2016	<0.0002	
11/17/2016	<0.0002	
2/1/2017	0.0002	
3/24/2017	<0.0002	
5/3/2017	<0.0002	
8/7/2017	<0.0002	
1/25/2018	<0.0002	
6/26/2018	<0.0002	
1/24/2019	<0.0002	
6/25/2019	<0.0002	
9/11/2019	<0.0002	
3/17/2020	<0.0002	
9/14/2020	<0.0002	
3/16/2021	<0.0002	
8/20/2021	<0.0002	
3/8/2022		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-18	GWC-18
8/30/2011	<0.0002	
10/26/2011	<0.0002	
12/3/2011	<0.0002	
2/9/2012	<0.0002	
7/11/2012	<0.0002	
1/8/2013	<0.0002	
7/16/2013	<0.0002	
1/14/2014	<0.0002	
6/24/2014	<0.0002	
1/13/2015	<0.0002	
7/23/2015	<0.0002	
1/27/2016	<0.0002	
3/30/2016	<0.0002	
5/26/2016	<0.0002	
7/25/2016	0.00012 (J)	
9/19/2016	<0.0002	
11/17/2016	<0.0002	
2/1/2017	9.8E-05 (J)	
3/24/2017	<0.0002	
5/3/2017	<0.0002	
8/7/2017	<0.0002	
1/25/2018	<0.0002	
6/21/2018	<0.0002	
1/28/2019	<0.0002	
6/27/2019	<0.0002	
9/11/2019	<0.0002	
3/17/2020	<0.0002	
9/14/2020	<0.0002	
3/16/2021	<0.0002	
8/24/2021	<0.0002	
3/8/2022		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-19	GWC-19
8/30/2011	<0.0002	
10/26/2011	<0.0002	
12/3/2011	<0.0002	
2/8/2012	<0.0002	
7/11/2012	<0.0002	
1/8/2013	<0.0002	
7/16/2013	<0.0002	
1/21/2014	<0.0002	
6/24/2014	<0.0002	
1/13/2015	<0.0002	
7/23/2015	<0.0002	
1/27/2016	<0.0002	
3/30/2016	<0.0002	
5/26/2016	<0.0002	
7/25/2016	0.00013 (J)	
9/19/2016	<0.0002	
11/17/2016	<0.0002	
2/2/2017	0.00011 (J)	
3/24/2017	<0.0002	
5/3/2017	<0.0002	
8/7/2017	<0.0002	
1/25/2018	<0.0002	
6/21/2018	<0.0002	
1/28/2019	<0.0002	
6/26/2019	<0.0002	
9/12/2019	<0.0002	
3/18/2020	<0.0002	
9/15/2020	<0.0002	
3/17/2021	<0.0002	
8/24/2021	<0.0002	
3/8/2022		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-20	GWC-20
8/31/2011	<0.0002	
10/27/2011	<0.0002	
12/4/2011	<0.0002	
2/8/2012	<0.0002	
7/11/2012	<0.0002	
1/8/2013	<0.0002	
7/16/2013	<0.0002	
1/21/2014	<0.0002	
6/24/2014	<0.0002	
1/13/2015	<0.0002	
7/23/2015	<0.0002	
1/27/2016	<0.0002	
3/30/2016	<0.0002	
5/26/2016	<0.0002	
7/25/2016	0.00011 (J)	
9/20/2016	<0.0002	
11/17/2016	<0.0002	
2/2/2017	8.6E-05 (J)	
3/28/2017	<0.0002	
5/4/2017	<0.0002	
8/7/2017	<0.0002	
1/26/2018	<0.0002	
6/21/2018	<0.0002	
1/28/2019	<0.0002	
6/25/2019	<0.0002	
9/11/2019	<0.0002	
3/18/2020	<0.0002	
9/15/2020	<0.0002	
3/16/2021	<0.0002	
8/24/2021	<0.0002	
3/7/2022		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-21	GWC-21
8/31/2011	<0.0002	
10/27/2011	<0.0002	
12/4/2011	<0.0002	
2/8/2012	<0.0002	
7/17/2012	<0.0002	
1/9/2013	<0.0002	
7/16/2013	<0.0002	
1/21/2014	<0.0002	
6/24/2014	<0.0002	
1/13/2015	<0.0002	
7/23/2015	<0.0002	
1/26/2016	<0.0002	
3/30/2016	<0.0002	
5/26/2016	<0.0002	
7/26/2016	0.00013 (J)	
9/20/2016	7.2E-05 (J)	
11/17/2016	8.4E-05 (J)	
2/2/2017	0.00011 (J)	
3/28/2017	<0.0002	
5/4/2017	<0.0002	
8/7/2017	<0.0002	
1/26/2018	<0.0002	
6/20/2018	<0.0002	
1/24/2019	<0.0002	
6/25/2019	<0.0002	
9/11/2019	<0.0002	
3/18/2020	<0.0002	
9/15/2020	<0.0002	
3/16/2021	<0.0002	
8/19/2021	<0.0002	
3/7/2022		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-22
9/15/2011	<0.0002	
10/29/2011	<0.0002	
12/13/2011	<0.0002	
1/25/2012	<0.0002	
7/18/2012	<0.0002	
1/22/2013	<0.0002	
7/16/2013	<0.0002	
1/21/2014	<0.0002	
6/25/2014	<0.0002	
1/14/2015	<0.0002	
7/23/2015	<0.0002	
1/26/2016	<0.0002	
3/31/2016	<0.0002	
5/26/2016	<0.0002	
7/26/2016	0.00012 (J)	
9/20/2016	0.00013 (J)	
11/17/2016	<0.0002	
2/3/2017	<0.0002	
3/28/2017	<0.0002	
5/3/2017	<0.0002	
8/8/2017	<0.0002	
1/25/2018	<0.0002	
6/20/2018	<0.0002	
1/24/2019	<0.0002	
6/25/2019	<0.0002	
9/10/2019	<0.0002	
3/18/2020	<0.0002	
9/10/2020	<0.0002	
3/15/2021	<0.0002	
8/19/2021	<0.0002	
3/8/2022		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-23	GWC-23
9/16/2011	<0.0002	
10/29/2011	<0.0002	
12/13/2011	<0.0002	
1/31/2012	<0.0002	
7/18/2012	<0.0002	
1/22/2013	<0.0002	
7/23/2013	<0.0002	
1/22/2014	<0.0002	
7/1/2014	<0.0002	
1/22/2015	<0.0002	
7/29/2015	<0.0002	
1/21/2016	<0.0002	
3/29/2016	<0.0002	
5/25/2016	<0.0002	
7/27/2016	8.6E-05 (J)	
9/20/2016	<0.0002	
11/18/2016	<0.0002	
2/3/2017	<0.0002	
3/28/2017	<0.0002	
5/4/2017	<0.0002	
8/8/2017	<0.0002	
1/25/2018	<0.0002	
6/20/2018	<0.0002	
1/25/2019	<0.0002	
6/26/2019	<0.0002	
9/12/2019	<0.0002	
3/18/2020	<0.0002	
9/10/2020	<0.0002	
3/18/2021	<0.0002	
8/23/2021	<0.0002	
3/9/2022		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-24	GWC-24
7/8/2014	<0.0002	
7/31/2015	<0.0002	
1/20/2016	<0.0002	
3/30/2016	<0.0002	
5/25/2016	<0.0002	
7/27/2016	9E-05 (J)	
9/16/2016	<0.0002	
11/18/2016	<0.0002	
2/3/2017	<0.0002	
3/29/2017	<0.0002	
5/4/2017	<0.0002	
8/8/2017	<0.0002	
1/25/2018	<0.0002	
6/27/2018	<0.0002	
1/31/2019	<0.0002	
6/26/2019	<0.0002	
9/11/2019	<0.0002	
3/12/2020	<0.0002	
9/15/2020	<0.0002	
3/18/2021	<0.0002	
8/19/2021	<0.0002	
3/10/2022		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-25	GWC-25
9/17/2011	<0.0002	
10/31/2011	<0.0002	
12/14/2011	<0.0002	
2/7/2012	<0.0002	
7/17/2012	<0.0002	
7/24/2013	<0.0002	
1/23/2014	<0.0002	
7/8/2014	<0.0002	
1/21/2015	<0.0002	
7/30/2015	<0.0002	
1/21/2016	<0.0002	
3/28/2016	<0.0002	
5/25/2016	<0.0002	
7/27/2016	9.8E-05 (J)	
9/19/2016	<0.0002	
11/15/2016	<0.0002	
1/24/2017	<0.0002	
3/23/2017	<0.0002	
5/2/2017	<0.0002	
8/3/2017	<0.0002	
1/25/2018	<0.0002	
6/27/2018	<0.0002	
1/24/2019	<0.0002	
6/25/2019	<0.0002	
9/11/2019	<0.0002	
3/12/2020	<0.0002	
9/14/2020	<0.0002	
3/17/2021	<0.0002	
8/19/2021	<0.0002	
3/8/2022		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-26	GWC-26
9/17/2011	<0.0002	
10/29/2011	<0.0002	
12/14/2011	<0.0002	
2/7/2012	<0.0002	
7/17/2012	<0.0002	
1/24/2013	<0.0002	
7/24/2013	<0.0002	
1/23/2014	<0.0002	
7/8/2014	<0.0002	
1/21/2015	<0.0002	
7/31/2015	<0.0002	
1/25/2016	<0.0002	
3/24/2016	<0.0002	
5/25/2016	<0.0002	
7/26/2016	0.00012 (J)	
9/19/2016	<0.0002	
11/14/2016	<0.0002	
1/19/2017	<0.0002	
3/16/2017	0.00014 (J)	
5/1/2017	<0.0002	
8/3/2017	<0.0002	
1/22/2018	<0.0002	
6/27/2018	<0.0002	
1/24/2019	<0.0002	
6/25/2019	<0.0002	
9/12/2019	<0.0002	
3/13/2020	<0.0002	
9/15/2020	<0.0002	
3/17/2021	<0.0002	
8/19/2021	<0.0002	
3/9/2022		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-27	GWC-27
9/17/2011	<0.0002	
10/29/2011	<0.0002	
12/14/2011	<0.0002	
1/25/2012	<0.0002	
7/17/2012	<0.0002	
1/24/2013	<0.0002	
7/24/2013	<0.0002	
1/23/2014	<0.0002	
7/8/2014	<0.0002	
1/21/2015	<0.0002	
7/30/2015	<0.0002	
1/22/2016	<0.0002	
3/23/2016	<0.0002	
5/24/2016	<0.0002	
7/26/2016	0.00012 (J)	
9/19/2016	<0.0002	
11/11/2016	<0.0002	
1/20/2017	<0.0002	
3/16/2017	0.00015 (J)	
4/28/2017	<0.0002	
8/3/2017	<0.0002	
1/19/2018	<0.0002	
6/27/2018	<0.0002	
1/24/2019	<0.0002	
6/26/2019	<0.0002	
9/12/2019	<0.0002	
3/12/2020	<0.0002	
9/9/2020	<0.0002	
3/18/2021	<0.0002	
8/23/2021	<0.0002	
3/8/2022		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-30	GWC-30
9/15/2011	<0.0002	
10/28/2011	<0.0002	
12/13/2011	<0.0002	
2/8/2012	<0.0002	
7/18/2012	<0.0002	
1/24/2013	<0.0002	
7/24/2013	<0.0002	
1/23/2014	<0.0002	
7/1/2014	<0.0002	
1/20/2015	<0.0002	
7/30/2015	<0.0002	
1/19/2016	<0.0002	
3/23/2016	<0.0002	
5/20/2016	<0.0002	
7/21/2016	8.6E-05 (J)	
9/20/2016	<0.0002	
11/14/2016	<0.0002	
1/24/2017	<0.0002	
3/17/2017	0.00017 (J)	
5/1/2017	<0.0002	
8/4/2017	<0.0002	
1/24/2018	<0.0002	
6/21/2018	<0.0002	
1/30/2019	<0.0002	
6/27/2019	<0.0002	
9/10/2019	0.00014 (J)	
3/11/2020	<0.0002	
9/10/2020	<0.0002	
3/18/2021	<0.0002	
8/23/2021	<0.0002	
3/2/2022		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-31	GWC-31
9/17/2011	<0.0002	
10/31/2011	<0.0002	
2/7/2012	<0.0002	
1/23/2013	<0.0002	
1/23/2014	<0.0002	
7/1/2014	<0.0002	
1/21/2015	<0.0002	
1/25/2016	<0.0002	
3/30/2016	<0.0002	
5/25/2016	<0.0002	
7/27/2016	0.0001 (J)	
1/25/2017	<0.0002	
3/23/2017	<0.0002	
5/2/2017	<0.0002	
7/19/2017	<0.0002	
8/4/2017	<0.0002	
1/23/2018	<0.0002	
6/27/2018	<0.0002	
1/31/2019	<0.0002	
6/26/2019	<0.0002	
9/11/2019	<0.0002	
3/17/2020	<0.0002	
9/11/2020	<0.0002	
3/16/2021	<0.0002	
8/25/2021	0.00016 (J)	
3/10/2022		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-32	GWC-32
9/15/2011	<0.0002	
10/31/2011	<0.0002	
12/13/2011	<0.0002	
2/1/2012	<0.0002	
7/17/2012	<0.0002	
1/23/2013	<0.0002	
7/24/2013	<0.0002	
1/23/2014	<0.0002	
7/1/2014	<0.0002	
1/20/2015	<0.0002	
7/30/2015	<0.0002	
1/25/2016	<0.0002	
3/23/2016	<0.0002	
5/24/2016	<0.0002	
7/22/2016	<0.0002	
9/16/2016	<0.0002	
11/15/2016	<0.0002	
1/26/2017	7.3E-05 (J)	
3/24/2017	<0.0002	
5/2/2017	<0.0002	
8/3/2017	<0.0002	
1/23/2018	<0.0002	
6/26/2018	<0.0002	
1/30/2019	<0.0002	
6/27/2019	<0.0002	
9/12/2019	<0.0002	
3/18/2020	<0.0002	
9/15/2020	<0.0002	
3/17/2021	<0.0002	
8/24/2021	<0.0002	
3/9/2022		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-33
9/16/2011	<0.0002	
10/30/2011	<0.0002	
12/13/2011	<0.0002	
2/1/2012	<0.0002	
7/17/2012	<0.0002	
1/23/2013	<0.0002	
7/17/2013	<0.0002	
1/23/2014	<0.0002	
1/20/2015	<0.0002	
7/29/2015	<0.0002	
1/25/2016	<0.0002	
3/23/2016	<0.0002	
5/24/2016	<0.0002	
7/22/2016	<0.0002	
9/16/2016	<0.0002	
11/17/2016	<0.0002	
1/25/2017	0.00012 (J)	
3/23/2017	<0.0002	
5/1/2017	<0.0002	
8/4/2017	<0.0002	
1/23/2018	<0.0002	
6/26/2018	<0.0002	
1/30/2019	<0.0002	
6/26/2019	<0.0002	
9/12/2019	<0.0002	
3/12/2020	<0.0002	
9/16/2020	<0.0002	
3/18/2021	<0.0002	
8/24/2021	<0.0002	
3/9/2022		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-34	GWC-34
9/16/2011	<0.0002	
10/31/2011	<0.0002	
12/12/2011	<0.0002	
2/1/2012	<0.0002	
7/16/2012	<0.0002	
1/22/2013	<0.0002	
7/17/2013	<0.0002	
1/23/2014	<0.0002	
6/25/2014	<0.0002	
1/14/2015	<0.0002	
7/29/2015	<0.0002	
1/21/2016	<0.0002	
3/24/2016	<0.0002	
5/23/2016	<0.0002	
7/21/2016	8.4E-05 (J)	
9/15/2016	<0.0002	
11/15/2016	<0.0002	
1/25/2017	0.00012 (J)	
3/22/2017	7.9E-05 (J)	
5/1/2017	<0.0002	
8/3/2017	<0.0002	
1/23/2018	<0.0002	
6/20/2018	<0.0002	
1/28/2019	<0.0002	
6/26/2019	<0.0002	
9/11/2019	<0.0002	
3/11/2020	<0.0002	
9/11/2020	<0.0002	
3/16/2021	<0.0002	
8/24/2021	<0.0002	
3/2/2022		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-35	GWC-35
9/16/2011	<0.0002	
10/31/2011	<0.0002	
12/12/2011	<0.0002	
2/1/2012	<0.0002	
7/16/2012	<0.0002	
1/22/2013	<0.0002	
7/2/2013	<0.0002	
1/21/2014	<0.0002	
6/25/2014	<0.0002	
1/14/2015	<0.0002	
7/28/2015	<0.0002	
1/21/2016	<0.0002	
3/24/2016	<0.0002	
5/23/2016	<0.0002	
7/21/2016	<0.0002	
9/15/2016	<0.0002	
11/15/2016	9.6E-05 (J)	
1/26/2017	<0.0002	
3/22/2017	<0.0002	
5/2/2017	<0.0002	
8/3/2017	<0.0002	
1/23/2018	<0.0002	
6/19/2018	<0.0002	
1/21/2019	<0.0002	
6/26/2019	<0.0002	
9/12/2019	<0.0002	
3/11/2020	<0.0002	
9/11/2020	<0.0002	
3/16/2021	<0.0002	
8/18/2021	<0.0002	
3/2/2022		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-5	GWC-5
8/31/2011	<0.0002	
10/27/2011	<0.0002	
12/5/2011	<0.0002	
1/25/2012	<0.0002	
7/18/2012	<0.0002	
1/9/2013	<0.0002	
7/17/2013	<0.0002	
1/15/2014	<0.0002	
6/25/2014	<0.0002	
1/13/2015	<0.0002	
7/24/2015	<0.0002	
1/20/2016	<0.0002	
3/28/2016	<0.0002	
5/23/2016	<0.0002	
7/21/2016	7.6E-05 (J)	
9/15/2016	<0.0002	
11/15/2016	<0.0002	
1/26/2017	<0.0002	
3/22/2017	<0.0002	
5/2/2017	<0.0002	
8/3/2017	<0.0002	
1/23/2018	<0.0002	
6/25/2018	<0.0002	
1/30/2019	<0.0002	
6/26/2019	<0.0002	
9/12/2019	<0.0002	
3/16/2020	<0.0002	
9/9/2020	<0.0002	
3/17/2021	<0.0002	
8/19/2021	<0.0002	
3/2/2022		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-6	GWC-6
8/31/2011	<0.0002	
10/30/2011	<0.0002	
12/5/2011	<0.0002	
1/25/2012	<0.0002	
7/24/2012	<0.0002	
1/8/2013	<0.0002	
7/9/2013	<0.0002	
1/15/2014	<0.0002	
6/25/2014	<0.0002	
1/20/2015	<0.0002	
7/24/2015	<0.0002	
1/20/2016	<0.0002	
3/28/2016	<0.0002	
5/24/2016	<0.0002	
7/21/2016	9.1E-05 (J)	
9/15/2016	<0.0002	
11/16/2016	<0.0002	
1/26/2017	<0.0002	
3/22/2017	7.3E-05 (J)	
5/2/2017	<0.0002	
8/3/2017	<0.0002	
1/23/2018	<0.0002	
6/25/2018	<0.0002	
1/30/2019	<0.0002	
6/26/2019	<0.0002	
9/12/2019	<0.0002	
3/16/2020	<0.0002	
9/11/2020	<0.0002	
3/17/2021	<0.0002	
8/18/2021	<0.0002	
3/2/2022		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-7	GWC-7
9/7/2011	<0.0002	
10/30/2011	<0.0002	
12/5/2011	<0.0002	
1/25/2012	<0.0002	
7/18/2012	<0.0002	
1/7/2013	<0.0002	
7/9/2013	<0.0002	
1/14/2014	<0.0002	
6/24/2014	<0.0002	
1/20/2015	<0.0002	
7/27/2015	<0.0002	
1/26/2016	<0.0002	
3/29/2016	<0.0002	
5/24/2016	<0.0002	
7/22/2016	<0.0002	
9/15/2016	<0.0002	
11/16/2016	<0.0002	
1/26/2017	8.8E-05 (J)	
3/22/2017	<0.0002	
5/2/2017	<0.0002	
8/4/2017	<0.0002	
1/23/2018	<0.0002	
6/25/2018	<0.0002	
1/21/2019	<0.0002	
6/25/2019	<0.0002	
9/10/2019	<0.0002	
3/12/2020	<0.0002	
9/14/2020	<0.0002	
3/16/2021	<0.0002	
8/19/2021	<0.0002	
3/2/2022		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-8	GWC-8
9/7/2011	<0.0002	
10/30/2011	<0.0002	
12/5/2011	<0.0002	
1/19/2012	<0.0002	
7/18/2012	<0.0002	
1/7/2013	<0.0002	
7/9/2013	<0.0002	
1/14/2014	0.000153 (J)	
6/24/2014	<0.0002	
1/20/2015	<0.0002	
7/27/2015	<0.0002	
1/26/2016	<0.0002	
3/29/2016	<0.0002	
5/24/2016	<0.0002	
7/26/2016	0.00012 (J)	
9/19/2016	<0.0002	
11/16/2016	<0.0002	
1/26/2017	<0.0002	
3/23/2017	7.2E-05 (J)	
5/3/2017	<0.0002	
8/7/2017	<0.0002	
1/24/2018	<0.0002	
6/21/2018	<0.0002	
1/22/2019	<0.0002	
6/25/2019	<0.0002	
9/10/2019	0.0004	
1/13/2020	<0.0002	
3/12/2020	<0.0002	
9/14/2020	<0.0002	
3/16/2021	<0.0002	
8/20/2021	<0.0002	
3/2/2022		<0.0002

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-9	GWC-9
9/7/2011	<0.0002	
10/30/2011	<0.0002	
12/4/2011	<0.0002	
1/19/2012	<0.0002	
7/18/2012	<0.0002	
1/8/2013	<0.0002	
7/9/2013	<0.0002	
1/14/2014	<0.0002	
6/24/2014	<0.0002	
1/20/2015	<0.0002	
7/27/2015	<0.0002	
1/26/2016	<0.0002	
3/29/2016	<0.0002	
5/24/2016	<0.0002	
7/25/2016	0.00012 (J)	
9/19/2016	<0.0002	
11/16/2016	<0.0002	
1/31/2017	8.6E-05 (J)	
3/23/2017	<0.0002	
5/2/2017	<0.0002	
8/7/2017	<0.0002	
1/24/2018	<0.0002	
6/21/2018	<0.0002	
1/22/2019	<0.0002	
6/25/2019	<0.0002	
9/16/2019	<0.0002	
3/16/2020	<0.0002	
9/11/2020	<0.0002	
3/16/2021	<0.0002	
8/25/2021	0.00014 (J)	
3/9/2022		<0.0002

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1	GWA-1
9/16/2011	<0.0025	
10/27/2011	<0.0025	
12/13/2011	<0.0025	
1/31/2012	<0.0025	
7/18/2012	<0.0025	
1/24/2013	<0.0025	
7/17/2013	<0.0025	
1/21/2014	<0.0025	
6/25/2014	<0.0025	
1/14/2015	<0.0025	
7/21/2015	<0.0025	
1/21/2016	<0.0025	
1/19/2017	<0.0025	
8/3/2017	<0.0025	
1/19/2018	<0.0025	
6/19/2018	<0.0025	
1/17/2019	0.00094 (J)	
6/24/2019	0.00095 (J)	
9/9/2019	0.00099 (J)	
3/10/2020	0.00067 (J)	
9/9/2020	0.00071 (J)	
3/15/2021	0.00059 (J)	
8/16/2021	0.00076 (J)	
2/28/2022		0.00089 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-2	GWA-2
9/17/2011	<0.0025	
10/27/2011	<0.0025	
12/14/2011	<0.0025	
2/7/2012	0.0028	
7/23/2012	<0.0025	
1/23/2013	<0.0025	
7/24/2013	<0.0025	
1/22/2014	0.0013 (J)	
7/1/2014	0.0014 (J)	
1/22/2015	0.0017 (J)	
7/22/2015	0.0013 (J)	
1/20/2016	<0.0025	
1/19/2017	<0.0025	
8/2/2017	<0.0025	
1/19/2018	<0.0025	
6/19/2018	<0.0025	
1/17/2019	0.0011	
6/24/2019	0.0013	
9/10/2019	0.0014	
3/10/2020	0.0012	
9/10/2020	0.0011	
3/15/2021	0.00076 (J)	
8/18/2021	0.001	
3/1/2022		0.00062 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28	GWA-28
9/16/2011	<0.001	
10/28/2011	<0.001	
12/12/2011	<0.001	
1/25/2012	<0.001	
7/16/2012	<0.001	
1/24/2013	<0.001	
7/23/2013	<0.001	
1/22/2014	0.00092 (J)	
7/1/2014	<0.001	
1/21/2015	<0.001	
7/21/2015	<0.001	
1/22/2016	<0.001	
1/17/2017	<0.001	
8/1/2017	<0.001	
1/19/2018	<0.001	
6/19/2018	<0.001	
1/21/2019	0.0004 (J)	
6/25/2019	0.00088 (J)	
9/10/2019	0.00047 (J)	
3/10/2020	0.00069 (J)	
9/9/2020	0.0004 (J)	
3/15/2021	<0.001	
8/16/2021	<0.001	
3/1/2022		<0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29	GWA-29
9/17/2011	0.0053	
10/28/2011	0.0042	
12/12/2011	<0.0025	
1/31/2012	0.0043	
7/17/2012	<0.0025	
1/24/2013	0.0052	
7/24/2013	0.0052	
1/22/2014	0.0031	
7/8/2014	0.0036 (D)	
1/21/2015	0.0026	
7/22/2015	0.0028	
1/19/2016	0.0021 (JD)	
1/17/2017	0.0022 (J)	
8/1/2017	0.0018 (J)	
1/19/2018	<0.0025	
6/19/2018	0.0024 (J)	
1/18/2019	0.0022	
6/25/2019	0.0028	
9/10/2019	0.0024	
3/10/2020	0.0012	
9/9/2020	0.0016	
3/15/2021	0.0019	
8/18/2021	0.0014	
3/2/2022		0.0012

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-3	GWA-3
8/31/2011	<0.0025	
6/25/2014	0.0044	
7/21/2015	0.0056	
8/1/2017	<0.0025	
6/20/2018	<0.0025	
1/18/2019	0.00087 (J)	
6/25/2019	0.0021	
9/11/2019	0.0022	
3/10/2020	0.0019	
9/9/2020	0.0015	
3/15/2021		0.0022
8/18/2021		0.0039
3/1/2022		0.0027

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-4	GWA-4
8/31/2011	<0.0025	
10/27/2011	<0.0025	
12/14/2011	<0.0025	
2/1/2012	<0.0025	
7/23/2012	<0.0025	
1/23/2013	<0.0025	
7/17/2013	<0.0025	
1/15/2014	<0.0025	
6/25/2014	<0.0025	
1/14/2015	0.0073 (O)	
7/21/2015	<0.0025	
1/20/2016	0.002 (J)	
1/17/2017	0.007 (o)	
8/2/2017	<0.0025	
1/22/2018	<0.0025	
6/19/2018	0.0022 (J)	
1/17/2019	0.0017	
6/24/2019	0.0022	
9/10/2019	0.0017	
3/10/2020	0.0019	
9/9/2020	0.0012	
3/15/2021	0.0027	
8/18/2021	0.0032	
3/1/2022		0.0021

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-10	GWC-10
1/25/2016	0.0017 (J)	
2/1/2017	0.0043	
8/8/2017	0.0022 (J)	
1/25/2018	0.0046	
6/21/2018	0.0046	
1/31/2019	0.0018	
6/26/2019	0.0014	
9/17/2019	0.0013	
3/17/2020	0.0013	
9/10/2020	0.0045	
3/18/2021		0.00097 (J)
8/20/2021		0.0014
3/8/2022		0.0017

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-11	GWC-11
9/13/2011	<0.001	
10/28/2011	<0.001	
12/4/2011	<0.001	
2/9/2012	<0.001	
7/18/2012	<0.001	
1/8/2013	<0.001	
7/9/2013	<0.001	
1/15/2014	<0.001	
6/25/2014	<0.001	
1/21/2015	<0.001	
7/28/2015	<0.001	
1/26/2016	<0.001	
1/31/2017	<0.001	
8/7/2017	<0.001	
1/24/2018	<0.001	
6/20/2018	<0.001	
1/24/2019	0.00035 (J)	
6/26/2019	<0.001	
9/16/2019	<0.001	
3/16/2020	0.0004 (J)	
9/10/2020	0.0011	
3/17/2021	<0.001	
8/23/2021	<0.001	
3/7/2022		<0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-12	GWC-12
9/13/2011	<0.001	
10/28/2011	<0.001	
12/4/2011	<0.001	
1/24/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/10/2013	<0.001	
1/21/2014	<0.001	
7/1/2014	<0.001	
1/21/2015	<0.001	
7/28/2015	<0.001	
1/26/2016	<0.001	
1/31/2017	<0.001	
8/7/2017	<0.001	
1/24/2018	<0.001	
6/26/2018	<0.001	
1/25/2019	<0.001	
6/26/2019	<0.001	
9/11/2019	0.00088 (J)	
3/18/2020	<0.001	
9/10/2020	0.00039 (J)	
3/16/2021	<0.001	
8/19/2021	<0.001	
3/7/2022		<0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-13
9/13/2011	<0.001	
10/28/2011	<0.001	
12/4/2011	<0.001	
1/24/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/10/2013	<0.001	
1/21/2014	<0.001	
7/1/2014	<0.001	
1/21/2015	<0.001	
7/28/2015	<0.001	
1/27/2016	<0.001	
1/31/2017	<0.001	
8/4/2017	<0.001	
1/25/2018	<0.001	
6/20/2018	<0.001	
1/22/2019	0.00033 (J)	
6/25/2019	0.00068 (J)	
9/12/2019	0.00055 (J)	
3/12/2020	<0.001	
9/10/2020	0.00037 (J)	
3/17/2021	0.00066 (J)	
8/23/2021	<0.001	
3/8/2022		<0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-14	GWC-14
9/13/2011	<0.0025	
10/27/2011	<0.0025	
12/3/2011	<0.0025	
1/24/2012	<0.0025	
7/11/2012	<0.0025	
1/8/2013	<0.0025	
7/10/2013	<0.0025	
1/21/2014	0.0041	
7/1/2014	0.0017 (J)	
1/14/2015	0.0064	
7/22/2015	0.0089	
1/27/2016	0.014	
4/20/2016	0.013	
2/1/2017	0.013	
8/7/2017	0.018	
1/25/2018	0.013	
6/20/2018	0.015	
1/22/2019	0.014	
6/25/2019	0.016	
9/12/2019	0.016	
3/17/2020	0.017	
9/10/2020	0.015	
3/17/2021	0.018	
8/23/2021	0.021	
3/7/2022		0.02

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-15	GWC-15
9/16/2011	<0.001	
10/27/2011	<0.001	
12/3/2011	<0.001	
2/9/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/2/2013	<0.001	
1/21/2014	<0.001	
6/24/2014	<0.001	
1/14/2015	<0.001	
7/22/2015	<0.001	
1/27/2016	<0.001	
2/1/2017	<0.001	
8/4/2017	<0.001	
1/25/2018	<0.001	
6/20/2018	<0.001	
1/22/2019	<0.001	
6/25/2019	0.00031 (J)	
9/17/2019	<0.001	
3/16/2020	<0.001	
9/10/2020	0.00037 (J)	
3/18/2021	<0.001	
8/24/2021	<0.001	
3/7/2022		<0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-16	GWC-16
8/30/2011	<0.001	
10/26/2011	<0.001	
12/3/2011	<0.001	
1/25/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/2/2013	<0.001	
1/14/2014	<0.001	
6/25/2014	<0.001	
1/13/2015	<0.001	
7/22/2015	<0.001	
1/27/2016	<0.001	
2/1/2017	<0.001	
8/7/2017	<0.001	
1/25/2018	<0.001	
6/20/2018	<0.001	
1/25/2019	<0.001	
6/25/2019	0.00067 (J)	
9/11/2019	0.00077 (J)	
3/17/2020	<0.001	
9/11/2020	<0.001	
3/17/2021	<0.001	
8/20/2021	<0.001	
3/8/2022		<0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-17	GWC-17
8/30/2011	<0.001	
10/26/2011	<0.001	
12/3/2011	<0.001	
1/25/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/16/2013	<0.001	
1/14/2014	<0.001	
6/25/2014	<0.001	
1/14/2015	<0.001	
7/28/2015	<0.001	
1/27/2016	<0.001	
2/1/2017	<0.001	
8/7/2017	<0.001	
1/25/2018	<0.001	
6/26/2018	<0.001	
1/24/2019	<0.001	
6/25/2019	0.00092 (J)	
9/11/2019	0.00092 (J)	
3/17/2020	<0.001	
9/14/2020	0.00041 (J)	
3/16/2021	<0.001	
8/20/2021	<0.001	
3/8/2022		<0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-18	GWC-18
8/30/2011	<0.001	
10/26/2011	<0.001	
12/3/2011	<0.001	
2/9/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/16/2013	<0.001	
1/14/2014	<0.001	
6/24/2014	<0.001	
1/13/2015	<0.001	
7/23/2015	<0.001	
1/27/2016	<0.001	
2/1/2017	<0.001	
8/7/2017	<0.001	
1/25/2018	<0.001	
6/21/2018	<0.001	
1/28/2019	<0.001	
6/27/2019	<0.001	
9/11/2019	0.00066 (J)	
3/17/2020	<0.001	
9/14/2020	0.0015	
3/16/2021	<0.001	
8/24/2021	<0.001	
3/8/2022		<0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-19	GWC-19
8/30/2011	<0.0025	
10/26/2011	<0.0025	
12/3/2011	<0.0025	
2/8/2012	<0.0025	
7/11/2012	<0.0025	
1/8/2013	<0.0025	
7/16/2013	<0.0025	
1/21/2014	<0.0025	
6/24/2014	<0.0025	
1/13/2015	<0.0025	
7/23/2015	<0.0025	
1/27/2016	<0.0025	
2/2/2017	<0.0025	
8/7/2017	<0.0025	
1/25/2018	<0.0025	
6/21/2018	<0.0025	
1/28/2019	0.0009 (J)	
6/26/2019	0.00051 (J)	
9/12/2019	0.00044 (J)	
3/18/2020	0.0011	
9/15/2020	0.0005 (J)	
3/17/2021	0.001	
8/24/2021	0.0005 (J)	
3/8/2022		0.0012

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-20	GWC-20
8/31/2011	<0.001	
10/27/2011	<0.001	
12/4/2011	<0.001	
2/8/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/16/2013	<0.001	
1/21/2014	<0.001	
6/24/2014	<0.001	
1/13/2015	<0.001	
7/23/2015	<0.001	
1/27/2016	<0.001	
2/2/2017	<0.001	
8/7/2017	<0.001	
1/26/2018	<0.001	
6/21/2018	<0.001	
1/28/2019	<0.001	
6/25/2019	0.00048 (J)	
9/11/2019	0.001	
3/18/2020	<0.001	
9/15/2020	<0.001	
3/16/2021	<0.001	
8/24/2021	<0.001	
3/7/2022		<0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-21	GWC-21
8/31/2011	<0.001	
10/27/2011	<0.001	
12/4/2011	<0.001	
2/8/2012	<0.001	
7/17/2012	<0.001	
1/9/2013	<0.001	
7/16/2013	<0.001	
1/21/2014	<0.001	
6/24/2014	<0.001	
1/13/2015	<0.001	
7/23/2015	<0.001	
1/26/2016	<0.001	
2/2/2017	<0.001	
8/7/2017	<0.001	
1/26/2018	<0.001	
6/20/2018	<0.001	
1/24/2019	0.00051 (J)	
6/25/2019	0.00085 (J)	
9/11/2019	0.00066 (J)	
3/18/2020	0.0004 (J)	
9/15/2020	0.00076 (J)	
3/16/2021	0.00097 (J)	
8/19/2021	0.00071 (J)	
3/7/2022		<0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-22
9/15/2011	<0.001	
10/29/2011	<0.001	
12/13/2011	<0.001	
1/25/2012	<0.001	
7/18/2012	<0.001	
1/22/2013	<0.001	
7/16/2013	<0.001	
1/21/2014	<0.001	
6/25/2014	<0.001	
1/14/2015	<0.001	
7/23/2015	<0.001	
1/26/2016	<0.001	
2/3/2017	<0.001	
8/8/2017	<0.001	
1/25/2018	<0.001	
6/20/2018	<0.001	
1/24/2019	<0.001	
6/25/2019	0.00031 (J)	
9/10/2019	<0.001	
3/18/2020	0.00042 (J)	
9/10/2020	<0.001	
3/15/2021	<0.001	
8/19/2021	<0.001	
3/8/2022		<0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-23	GWC-23
9/16/2011	<0.001	
10/29/2011	<0.001	
12/13/2011	<0.001	
1/31/2012	<0.001	
7/18/2012	<0.001	
1/22/2013	<0.001	
7/23/2013	<0.001	
1/22/2014	<0.001	
7/1/2014	<0.001	
1/22/2015	<0.001	
7/29/2015	<0.001	
1/21/2016	<0.001	
2/3/2017	<0.001	
8/8/2017	<0.001	
1/25/2018	<0.001	
6/20/2018	<0.001	
1/25/2019	0.00044 (J)	
6/26/2019	<0.001	
9/12/2019	0.00044 (J)	
3/18/2020	0.00079 (J)	
9/10/2020	0.00058 (J)	
3/18/2021	0.00052 (J)	
8/23/2021	0.00059 (J)	
3/9/2022		<0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-24	GWC-24
7/8/2014	0.0022 (J)	
7/31/2015	0.0018 (J)	
1/20/2016	0.0027	
2/3/2017	0.0025	
8/8/2017	0.0036	
1/25/2018	0.0022 (J)	
6/27/2018	<0.0025	
1/31/2019	0.0018	
6/26/2019	0.0016	
9/11/2019	0.0018	
3/12/2020	0.0025	
9/15/2020	0.0022	
3/18/2021		0.0017
8/19/2021		0.0017
3/10/2022		0.0011

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-25	GWC-25
9/17/2011	<0.0025	
10/31/2011	<0.0025	
12/14/2011	<0.0025	
2/7/2012	<0.0025	
7/17/2012	0.014	
7/24/2013	0.019	
1/23/2014	0.0036	
7/8/2014	0.011	
1/21/2015	0.0033	
7/30/2015	0.0054	
1/21/2016	0.0054	
1/24/2017	0.012	
8/3/2017	<0.0025	
1/25/2018	0.0071	
6/27/2018	0.0072	
1/24/2019	0.0027	
6/25/2019	0.0021	
9/11/2019	0.024	
3/12/2020	0.0054	
9/14/2020	0.015	
3/17/2021	0.0053	
8/19/2021	0.0035	
3/8/2022		0.0039

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-26	GWC-26
9/17/2011	<0.0025	
10/29/2011	<0.0025	
12/14/2011	<0.0025	
2/7/2012	<0.0025	
7/17/2012	<0.0025	
1/24/2013	<0.0025	
7/24/2013	<0.0025	
1/23/2014	<0.0025	
7/8/2014	<0.0025	
1/21/2015	<0.0025	
7/31/2015	<0.0025	
1/25/2016	<0.0025	
1/19/2017	<0.0025	
8/3/2017	<0.0025	
1/22/2018	<0.0025	
6/27/2018	<0.0025	
1/24/2019	0.00087 (J)	
6/25/2019	0.0031	
9/12/2019	0.00081 (J)	
3/13/2020	0.00097 (J)	
9/15/2020	0.00072 (J)	
3/17/2021	0.0014	
8/19/2021	0.00059 (J)	
3/9/2022		0.0011

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-27	GWC-27
9/17/2011	<0.001	
10/29/2011	<0.001	
12/14/2011	<0.001	
1/25/2012	<0.001	
7/17/2012	<0.001	
1/24/2013	<0.001	
7/24/2013	<0.001	
1/23/2014	<0.001	
7/8/2014	<0.001	
1/21/2015	<0.001	
7/30/2015	<0.001	
1/22/2016	<0.001	
1/20/2017	<0.001	
8/3/2017	<0.001	
1/19/2018	<0.001	
6/27/2018	<0.001	
1/24/2019	0.00035 (J)	
6/26/2019	<0.001	
9/12/2019	0.00044 (J)	
3/12/2020	<0.001	
9/9/2020	0.00052 (J)	
3/18/2021	<0.001	
8/23/2021	<0.001	
3/8/2022		<0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-31	GWC-31
9/17/2011	0.0041	
10/31/2011	0.003	
2/7/2012	0.0029	
1/23/2013	0.0027	
1/23/2014	0.0016 (J)	
7/1/2014	0.0021 (J)	
1/21/2015	<0.0025	
1/25/2016	<0.0025	
1/25/2017	<0.0025	
8/4/2017	0.0029	
1/23/2018	0.012	
6/27/2018	0.0065	
1/31/2019	0.0011	
6/26/2019	0.00034 (J)	
9/11/2019	0.01	
3/17/2020	0.0029	
9/11/2020	0.0019	
3/16/2021	0.0014	
8/25/2021	0.00064 (J)	
3/10/2022		0.00055 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-32	GWC-32
9/15/2011	<0.001	
10/31/2011	<0.001	
12/13/2011	<0.001	
2/1/2012	<0.001	
7/17/2012	<0.001	
1/23/2013	<0.001	
7/24/2013	<0.001	
1/23/2014	0.00094 (J)	
7/1/2014	<0.001	
1/20/2015	<0.001	
7/30/2015	<0.001	
1/25/2016	<0.001	
1/26/2017	<0.001	
8/3/2017	0.0018 (J)	
1/23/2018	<0.001	
6/26/2018	<0.001	
1/30/2019	0.00064 (J)	
6/27/2019	0.00059 (J)	
9/12/2019	0.0013	
3/18/2020	0.0011	
9/15/2020	0.00095 (J)	
3/17/2021	0.00082 (J)	
8/24/2021	<0.001	
3/9/2022		<0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-33
9/16/2011	<0.001	
10/30/2011	<0.001	
12/13/2011	<0.001	
2/1/2012	<0.001	
7/17/2012	<0.001	
1/23/2013	<0.001	
7/17/2013	<0.001	
1/23/2014	0.00078 (J)	
1/20/2015	<0.001	
7/29/2015	<0.001	
1/25/2016	<0.001	
1/25/2017	<0.001	
8/4/2017	<0.001	
1/23/2018	<0.001	
6/26/2018	<0.001	
1/30/2019	0.00054 (J)	
6/26/2019	0.00068 (J)	
9/12/2019	0.00078 (J)	
3/12/2020	0.0012	
9/16/2020	0.0012	
3/18/2021	<0.001	
8/24/2021	<0.001	
3/9/2022		<0.001

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-34	GWC-34
9/16/2011	<0.0025	
10/31/2011	<0.0025	
12/12/2011	<0.0025	
2/1/2012	<0.0025	
7/16/2012	<0.0025	
1/22/2013	<0.0025	
7/17/2013	<0.0025	
1/23/2014	0.00062 (J)	
6/25/2014	<0.0025	
1/14/2015	<0.0025	
7/29/2015	<0.0025	
1/21/2016	<0.0025	
1/25/2017	<0.0025	
8/3/2017	0.012 (O)	
1/23/2018	<0.0025	
6/20/2018	<0.0025	
1/28/2019	0.00047 (J)	
6/26/2019	0.00047 (J)	
9/11/2019	0.0014	
3/11/2020	0.0005 (J)	
9/11/2020	0.00053 (J)	
3/16/2021	0.00059 (J)	
8/24/2021	0.00043 (J)	
3/2/2022		0.00064 (J)

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-35	GWC-35
9/16/2011	0.0037	
10/31/2011	0.0047	
12/12/2011	0.0048	
2/1/2012	0.0027	
7/16/2012	0.0035	
1/22/2013	0.003	
7/2/2013	0.0027	
1/21/2014	0.002 (J)	
6/25/2014	0.0026	
1/14/2015	0.0021 (J)	
7/28/2015	0.0016 (J)	
1/21/2016	0.0017 (J)	
1/26/2017	<0.0025	
8/3/2017	<0.0025	
1/23/2018	<0.0025	
6/19/2018	<0.0025	
1/21/2019	0.0011	
6/26/2019	0.0013	
9/12/2019	0.0012	
3/11/2020	0.001	
9/11/2020	0.00095 (J)	
3/16/2021	0.0011	
8/18/2021	0.00094 (J)	
3/2/2022		0.0015

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-5	GWC-5
8/31/2011	<0.0025	
10/27/2011	<0.0025	
12/5/2011	<0.0025	
1/25/2012	<0.0025	
7/18/2012	0.0043	
1/9/2013	0.0082	
7/17/2013	0.0076	
1/15/2014	0.0083	
6/25/2014	0.0079	
1/13/2015	0.0072	
7/24/2015	0.0083	
1/20/2016	0.007	
1/26/2017	0.0066	
8/3/2017	0.0088	
1/23/2018	0.0074	
6/25/2018	0.0053	
1/30/2019	0.0032	
6/26/2019	0.0051	
9/12/2019	0.0085	
3/16/2020	0.0049	
9/9/2020	0.0051	
3/17/2021	0.0035	
8/19/2021	0.0037	
3/2/2022		0.0038

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-6	GWC-6
8/31/2011	0.0072	
10/30/2011	0.0055	
12/5/2011	0.0026	
1/25/2012	<0.0025	
7/24/2012	0.003	
1/8/2013	0.0036	
7/9/2013	0.0038	
1/15/2014	0.0049	
6/25/2014	0.0037	
1/20/2015	0.0035	
7/24/2015	0.0048	
1/20/2016	0.0044	
1/26/2017	0.005	
8/3/2017	0.0051	
1/23/2018	0.0054	
6/25/2018	0.0056	
1/30/2019	0.0057	
6/26/2019	0.0052	
9/12/2019	0.0099	
3/16/2020	0.0043	
9/11/2020	0.0063	
3/17/2021	0.006	
8/18/2021	0.0058	
3/2/2022		0.0053

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-7	GWC-7
9/7/2011	<0.0025	
10/30/2011	<0.0025	
12/5/2011	<0.0025	
1/25/2012	<0.0025	
7/18/2012	0.013	
1/7/2013	0.019	
7/9/2013	0.018	
1/14/2014	0.017	
6/24/2014	0.016	
1/20/2015	0.015	
7/27/2015	0.013	
1/26/2016	0.012	
1/26/2017	0.011	
8/4/2017	0.011	
1/23/2018	0.0071	
6/25/2018	0.011	
1/21/2019	0.0077	
6/25/2019	0.01	
9/10/2019	0.0089	
3/12/2020	0.0074	
9/14/2020	0.0094	
3/16/2021	0.0067	
8/19/2021	0.0093	
3/2/2022		0.0076

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-8	GWC-8
9/7/2011	<0.0025	
10/30/2011	<0.0025	
12/5/2011	<0.0025	
1/19/2012	<0.0025	
7/18/2012	<0.0025	
1/7/2013	0.0025	
7/9/2013	0.0027	
1/14/2014	0.0039	
6/24/2014	0.0014 (J)	
1/20/2015	0.0026	
7/27/2015	<0.0025	
1/26/2016	0.002 (J)	
1/26/2017	0.0034	
8/7/2017	0.011 (o)	
1/24/2018	0.0023 (J)	
6/21/2018	0.0031	
1/22/2019	0.0025	
6/25/2019	0.0053	
9/10/2019	0.0026	
3/12/2020	0.0019	
9/14/2020	0.0041	
3/16/2021	0.0026	
8/20/2021	0.0041	
3/2/2022		0.003

Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-9	GWC-9
9/7/2011	0.029 (O)	
10/30/2011	<0.0025	
12/4/2011	0.0072	
1/19/2012	0.0053	
7/18/2012	0.012	
1/8/2013	0.014	
7/9/2013	0.015	
1/14/2014	0.015	
6/24/2014	0.0091	
1/20/2015	0.014	
7/27/2015	0.011	
1/26/2016	0.0096	
1/31/2017	0.055 (O)	
8/7/2017	0.0093	
1/24/2018	0.01	
6/21/2018	0.0083	
1/22/2019	0.008	
6/25/2019	0.01	
9/16/2019	0.0091	
3/16/2020	0.0091	
9/11/2020	0.016	
3/16/2021	0.012	
8/25/2021	0.0041	
3/9/2022		0.0076

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1	GWA-1
9/16/2011	<0.005	
10/27/2011	<0.005	
12/13/2011	<0.005	
1/31/2012	<0.005	
7/18/2012	<0.005	
1/24/2013	<0.005	
7/17/2013	<0.005	
1/21/2014	<0.005	
6/25/2014	<0.005	
1/14/2015	<0.005	
7/21/2015	<0.005	
1/21/2016	<0.005	
3/23/2016	<0.005	
5/20/2016	<0.005	
7/21/2016	<0.005	
9/15/2016	<0.005	
11/11/2016	<0.005	
1/19/2017	<0.005	
3/16/2017	<0.005	
4/28/2017	<0.005	
8/3/2017	<0.005	
1/19/2018	<0.005	
6/19/2018	0.00054 (J)	
1/17/2019	<0.005	
6/24/2019	<0.005	
9/9/2019	<0.005	
3/10/2020	<0.005	
9/9/2020	<0.005	
3/15/2021	<0.005	
8/16/2021	<0.005	
2/28/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28	GWA-28
9/16/2011	<0.005	
10/28/2011	<0.005	
12/12/2011	<0.005	
1/25/2012	<0.005	
7/16/2012	<0.005	
1/24/2013	<0.005	
7/23/2013	<0.005	
1/22/2014	<0.005	
7/1/2014	<0.005	
1/21/2015	<0.005	
7/21/2015	<0.005	
1/22/2016	<0.005	
3/22/2016	<0.005	
5/23/2016	<0.005	
7/25/2016	0.0004 (J)	
9/15/2016	<0.005	
11/9/2016	<0.005	
1/17/2017	<0.005	
3/16/2017	<0.005	
4/27/2017	<0.005	
8/1/2017	<0.005	
1/19/2018	0.00073 (J)	
6/19/2018	<0.005	
1/21/2019	<0.005	
6/25/2019	<0.005	
9/10/2019	<0.005	
3/10/2020	<0.005	
9/9/2020	<0.005	
3/15/2021	<0.005	
8/16/2021	<0.005	
3/1/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29	GWA-29
9/17/2011	<0.005	
10/28/2011	<0.005	
12/12/2011	<0.005	
1/31/2012	<0.005	
7/17/2012	<0.005	
1/24/2013	<0.005	
7/24/2013	<0.005	
1/22/2014	<0.005	
7/8/2014	<0.005 (D)	
1/21/2015	<0.005	
7/22/2015	<0.005	
1/19/2016	<0.005 (D)	
3/22/2016	<0.005	
5/19/2016	<0.005	
7/21/2016	0.00045 (J)	
1/17/2017	<0.005	
4/27/2017	<0.005	
7/18/2017	<0.005	
8/1/2017	<0.005 (*)	
1/19/2018	0.00027 (J)	
6/19/2018	0.00051 (J)	
1/18/2019	<0.005	
6/25/2019	<0.005	
9/10/2019	<0.005	
3/10/2020	<0.005	
9/9/2020	<0.005	
3/15/2021	<0.005	
8/18/2021	<0.005	
3/2/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-4	GWA-4
8/31/2011	<0.005	
10/27/2011	<0.005	
12/14/2011	<0.005	
2/1/2012	<0.005	
7/23/2012	<0.005	
1/23/2013	<0.005	
7/17/2013	<0.005	
1/15/2014	<0.005	
6/25/2014	<0.005	
1/14/2015	<0.005	
7/21/2015	<0.005	
1/20/2016	<0.005	
3/23/2016	<0.005	
5/19/2016	<0.005	
7/21/2016	<0.005	
9/14/2016	<0.005	
11/10/2016	<0.005	
1/17/2017	<0.005	
3/16/2017	<0.005	
4/27/2017	<0.005	
8/2/2017	<0.005	
1/22/2018	<0.005	
6/19/2018	0.00086 (J)	
1/17/2019	<0.005	
6/24/2019	<0.005	
9/10/2019	<0.005	
3/10/2020	<0.005	
9/9/2020	<0.005	
3/15/2021	<0.005	
8/18/2021	<0.005	
3/1/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-11	GWC-11
9/13/2011	<0.005	
10/28/2011	<0.005	
12/4/2011	<0.005	
2/9/2012	<0.005	
7/18/2012	<0.005	
1/8/2013	<0.005	
7/9/2013	<0.005	
1/15/2014	<0.005	
6/25/2014	<0.005	
1/21/2015	<0.005	
7/28/2015	<0.005	
1/26/2016	<0.005	
3/29/2016	<0.005	
5/25/2016	<0.005	
7/25/2016	0.00041 (J)	
9/19/2016	0.00084 (J)	
11/16/2016	<0.005	
1/31/2017	0.00033 (J)	
3/23/2017	<0.005	
5/2/2017	<0.005	
8/7/2017	<0.005	
1/24/2018	<0.005	
6/20/2018	0.00026 (J)	
1/24/2019	<0.005	
6/26/2019	<0.005	
9/16/2019	<0.005	
3/16/2020	<0.005	
9/10/2020	<0.005	
3/17/2021	<0.005	
8/23/2021	<0.005	
3/7/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-12	GWC-12
9/13/2011	<0.005	
10/28/2011	<0.005	
12/4/2011	<0.005	
1/24/2012	<0.005	
7/11/2012	<0.005	
1/8/2013	<0.005	
7/10/2013	<0.005	
1/21/2014	<0.005	
7/1/2014	<0.005	
1/21/2015	<0.005	
7/28/2015	<0.005	
1/26/2016	<0.005	
3/29/2016	<0.005	
5/25/2016	<0.005	
7/22/2016	<0.005	
9/15/2016	<0.005	
11/16/2016	<0.005	
1/31/2017	<0.005	
3/23/2017	<0.005	
5/3/2017	<0.005	
8/7/2017	0.00032 (J)	
1/24/2018	<0.005	
6/26/2018	<0.005	
1/25/2019	<0.005	
6/26/2019	<0.005	
9/11/2019	<0.005	
3/18/2020	<0.005	
9/10/2020	<0.005	
3/16/2021	<0.005	
8/19/2021	<0.005	
3/7/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-13
9/13/2011	<0.005	
10/28/2011	<0.005	
12/4/2011	<0.005	
1/24/2012	<0.005	
7/11/2012	<0.005	
1/8/2013	<0.005	
7/10/2013	<0.005	
1/21/2014	<0.005	
7/1/2014	<0.005	
1/21/2015	<0.005	
7/28/2015	<0.005	
1/27/2016	<0.005	
3/29/2016	<0.005	
5/25/2016	<0.005	
7/26/2016	<0.005	
9/15/2016	<0.005	
11/17/2016	<0.005	
1/31/2017	<0.005	
3/23/2017	0.0021	
5/3/2017	<0.005	
8/4/2017	<0.005	
1/25/2018	<0.005	
6/20/2018	<0.005	
1/22/2019	<0.005	
6/25/2019	<0.005	
9/12/2019	<0.005	
3/12/2020	<0.005	
9/10/2020	<0.005	
3/17/2021	<0.005	
8/23/2021	<0.005	
3/8/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-14	GWC-14
9/13/2011	<0.005	
10/27/2011	<0.005	
12/3/2011	<0.005	
1/24/2012	<0.005	
7/11/2012	<0.005	
1/8/2013	<0.005	
7/10/2013	<0.005	
1/21/2014	<0.005	
7/1/2014	<0.005	
1/14/2015	<0.005	
7/22/2015	<0.005	
1/27/2016	0.0071	
3/30/2016	0.00273 (J)	
4/20/2016	<0.005	
5/25/2016	<0.005	
7/26/2016	<0.005	
9/15/2016	<0.005	
11/17/2016	0.00047 (J)	
2/1/2017	<0.005	
3/23/2017	<0.005	
5/3/2017	<0.005	
8/7/2017	0.00088 (J)	
1/25/2018	0.00025 (J)	
6/20/2018	0.0017	
1/22/2019	<0.005	
6/25/2019	<0.005	
9/12/2019	0.0032 (J)	
3/17/2020	0.0023 (J)	
9/10/2020	0.0022 (J)	
3/17/2021	0.0025 (J)	
8/23/2021	<0.005	
3/7/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-15	GWC-15
9/16/2011	<0.005	
10/27/2011	<0.005	
12/3/2011	<0.005	
2/9/2012	<0.005	
7/11/2012	<0.005	
1/8/2013	<0.005	
7/2/2013	<0.005	
1/21/2014	<0.005	
6/24/2014	<0.005	
1/14/2015	<0.005	
7/22/2015	<0.005	
1/27/2016	<0.005	
3/30/2016	<0.005	
5/25/2016	<0.005	
7/26/2016	<0.005	
9/20/2016	<0.005	
11/17/2016	<0.005	
2/1/2017	<0.005	
3/23/2017	<0.005	
5/3/2017	<0.005	
8/4/2017	<0.005	
1/25/2018	<0.005	
6/20/2018	0.00027 (J)	
1/22/2019	<0.005	
6/25/2019	<0.005	
9/17/2019	<0.005	
3/16/2020	<0.005	
9/10/2020	<0.005	
3/18/2021	<0.005	
8/24/2021	<0.005	
3/7/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-16	GWC-16
8/30/2011	<0.005	
10/26/2011	<0.005	
12/3/2011	<0.005	
1/25/2012	<0.005	
7/11/2012	<0.005	
1/8/2013	<0.005	
7/2/2013	<0.005	
1/14/2014	<0.005	
6/25/2014	<0.005	
1/13/2015	<0.005	
7/22/2015	<0.005	
1/27/2016	<0.005	
3/30/2016	<0.005	
5/25/2016	<0.005	
7/27/2016	0.00029 (J)	
9/16/2016	<0.005	
11/17/2016	<0.005	
2/1/2017	<0.005	
3/24/2017	<0.005	
5/3/2017	<0.005	
8/7/2017	<0.005	
1/25/2018	<0.005	
6/20/2018	<0.005	
1/25/2019	<0.005	
6/25/2019	<0.005	
9/11/2019	<0.005	
3/17/2020	<0.005	
9/11/2020	<0.005	
3/17/2021	<0.005	
8/20/2021	<0.005	
3/8/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-18	GWC-18
8/30/2011	<0.005	
10/26/2011	<0.005	
12/3/2011	<0.005	
2/9/2012	<0.005	
7/11/2012	<0.005	
1/8/2013	<0.005	
7/16/2013	<0.005	
1/14/2014	<0.005	
6/24/2014	<0.005	
1/13/2015	<0.005	
7/23/2015	<0.005	
1/27/2016	<0.005	
3/30/2016	<0.005	
5/26/2016	<0.005	
7/25/2016	0.00073 (J)	
9/19/2016	<0.005	
11/17/2016	<0.005	
2/1/2017	<0.005	
3/24/2017	<0.005	
5/3/2017	<0.005	
8/7/2017	<0.005	
1/25/2018	<0.005	
6/21/2018	<0.005	
1/28/2019	<0.005	
6/27/2019	<0.005	
9/11/2019	<0.005	
3/17/2020	<0.005	
9/14/2020	<0.005	
3/16/2021	<0.005	
8/24/2021	<0.005	
3/8/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-21	GWC-21
8/31/2011	<0.005	
10/27/2011	<0.005	
12/4/2011	<0.005	
2/8/2012	<0.005	
7/17/2012	<0.005	
1/9/2013	<0.005	
7/16/2013	<0.005	
1/21/2014	<0.005	
6/24/2014	<0.005	
1/13/2015	<0.005	
7/23/2015	<0.005	
1/26/2016	<0.005	
3/30/2016	<0.005	
5/26/2016	<0.005	
7/26/2016	<0.005	
9/20/2016	<0.005	
11/17/2016	<0.005	
2/2/2017	<0.005	
3/28/2017	<0.005	
5/4/2017	<0.005	
8/7/2017	<0.005	
1/26/2018	<0.005	
6/20/2018	0.00046 (J)	
1/24/2019	<0.005	
6/25/2019	<0.005	
9/11/2019	<0.005	
3/18/2020	<0.005	
9/15/2020	<0.005	
3/16/2021	<0.005	
8/19/2021	<0.005	
3/7/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-22
9/15/2011	<0.005	
10/29/2011	<0.005	
12/13/2011	<0.005	
1/25/2012	<0.005	
7/18/2012	<0.005	
1/22/2013	<0.005	
7/16/2013	<0.005	
1/21/2014	<0.005	
6/25/2014	<0.005	
1/14/2015	<0.005	
7/23/2015	<0.005	
1/26/2016	<0.005	
3/31/2016	<0.005	
5/26/2016	<0.005	
7/26/2016	<0.005	
9/20/2016	<0.005	
11/17/2016	<0.005	
2/3/2017	<0.005	
3/28/2017	<0.005	
5/3/2017	<0.005	
8/8/2017	<0.005	
1/25/2018	<0.005	
6/20/2018	0.0003 (J)	
1/24/2019	<0.005	
6/25/2019	<0.005	
9/10/2019	<0.005	
3/18/2020	<0.005	
9/10/2020	<0.005	
3/15/2021	<0.005	
8/19/2021	<0.005	
3/8/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-25	GWC-25
9/17/2011	<0.005	
10/31/2011	<0.005	
12/14/2011	<0.005	
2/7/2012	<0.005	
7/17/2012	<0.005	
7/24/2013	<0.005	
1/23/2014	<0.005	
7/8/2014	<0.005	
1/21/2015	<0.005	
7/30/2015	<0.005	
1/21/2016	<0.005	
3/28/2016	<0.005	
5/25/2016	<0.005	
7/27/2016	0.00033 (J)	
9/19/2016	<0.005	
11/15/2016	<0.005	
1/24/2017	<0.005	
3/23/2017	<0.005	
5/2/2017	<0.005	
8/3/2017	<0.005	
1/25/2018	<0.005	
6/27/2018	<0.005	
1/24/2019	<0.005	
6/25/2019	<0.005	
9/11/2019	<0.005	
3/12/2020	<0.005	
9/14/2020	<0.005	
3/17/2021	<0.005	
8/19/2021	<0.005	
3/8/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-26	GWC-26
9/17/2011	<0.005	
10/29/2011	<0.005	
12/14/2011	<0.005	
2/7/2012	<0.005	
7/17/2012	<0.005	
1/24/2013	<0.005	
7/24/2013	<0.005	
1/23/2014	<0.005	
7/8/2014	<0.005	
1/21/2015	<0.005	
7/31/2015	<0.005	
1/25/2016	<0.005	
3/24/2016	<0.005	
5/25/2016	<0.005	
7/26/2016	<0.005	
9/19/2016	<0.005	
11/14/2016	<0.005	
1/19/2017	<0.005	
3/16/2017	<0.005	
5/1/2017	0.0018	
8/3/2017	<0.005	
1/22/2018	0.0003 (J)	
6/27/2018	<0.005	
1/24/2019	<0.005	
6/25/2019	<0.005	
9/12/2019	<0.005	
3/13/2020	<0.005	
9/15/2020	<0.005	
3/17/2021	<0.005	
8/19/2021	<0.005	
3/9/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-27	GWC-27
9/17/2011	<0.005	
10/29/2011	<0.005	
12/14/2011	<0.005	
1/25/2012	<0.005	
7/17/2012	<0.005	
1/24/2013	<0.005	
7/24/2013	<0.005	
1/23/2014	<0.005	
7/8/2014	<0.005	
1/21/2015	<0.005	
7/30/2015	<0.005	
1/22/2016	<0.005	
3/23/2016	<0.005	
5/24/2016	<0.005	
7/26/2016	<0.005	
9/19/2016	<0.005	
11/11/2016	<0.005	
1/20/2017	0.00045 (J)	
3/16/2017	<0.005	
4/28/2017	<0.005	
8/3/2017	<0.005	
1/19/2018	<0.005	
6/27/2018	<0.005	
1/24/2019	<0.005	
6/26/2019	<0.005	
9/12/2019	<0.005	
3/12/2020	<0.005	
9/9/2020	<0.005	
3/18/2021	<0.005	
8/23/2021	<0.005	
3/8/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-30	GWC-30
9/15/2011	<0.005	
10/28/2011	<0.005	
12/13/2011	<0.005	
2/8/2012	<0.005	
7/18/2012	<0.005	
1/24/2013	<0.005	
7/24/2013	<0.005	
1/23/2014	<0.005	
7/1/2014	<0.005	
1/20/2015	<0.005	
7/30/2015	<0.005	
1/19/2016	<0.005	
3/23/2016	<0.005	
5/20/2016	<0.005	
7/21/2016	0.0003 (J)	
9/20/2016	<0.005	
11/14/2016	<0.005	
1/24/2017	<0.005	
3/17/2017	<0.005	
5/1/2017	<0.005	
8/4/2017	<0.005 (*)	
1/24/2018	0.00067 (J)	
6/21/2018	<0.005	
1/30/2019	<0.005	
6/27/2019	<0.005	
9/10/2019	<0.005	
3/11/2020	<0.005	
9/10/2020	<0.005	
3/18/2021	<0.005	
8/23/2021	<0.005	
3/2/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-31	GWC-31
9/17/2011	<0.005	
10/31/2011	<0.005	
2/7/2012	<0.005	
1/23/2013	<0.005	
1/23/2014	<0.005	
7/1/2014	<0.005	
1/21/2015	<0.005	
1/25/2016	<0.005	
3/30/2016	<0.005	
5/25/2016	<0.005	
7/27/2016	0.00095 (J)	
1/25/2017	0.00035 (J)	
3/23/2017	<0.005	
5/2/2017	<0.005	
7/19/2017	0.00068 (J)	
8/4/2017	<0.005 (*)	
1/23/2018	0.001 (J)	
6/27/2018	0.00044 (J)	
1/31/2019	<0.005	
6/26/2019	<0.005	
9/11/2019	<0.005	
3/17/2020	<0.005	
9/11/2020	<0.005	
3/16/2021	<0.005	
8/25/2021	<0.005	
3/10/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-32	GWC-32
9/15/2011	<0.005	
10/31/2011	<0.005	
12/13/2011	<0.005	
2/1/2012	<0.005	
7/17/2012	<0.005	
1/23/2013	<0.005	
7/24/2013	<0.005	
1/23/2014	<0.005	
7/1/2014	<0.005	
1/20/2015	<0.005	
7/30/2015	<0.005	
1/25/2016	<0.005	
3/23/2016	<0.005	
5/24/2016	<0.005	
7/22/2016	0.00025 (J)	
9/16/2016	<0.005	
11/15/2016	<0.005	
1/26/2017	<0.005	
3/24/2017	<0.005	
5/2/2017	<0.005	
8/3/2017	<0.005	
1/23/2018	<0.005	
6/26/2018	<0.005	
1/30/2019	<0.005	
6/27/2019	<0.005	
9/12/2019	<0.005	
3/18/2020	<0.005	
9/15/2020	<0.005	
3/17/2021	<0.005	
8/24/2021	<0.005	
3/9/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-33
9/16/2011	<0.005	
10/30/2011	<0.005	
12/13/2011	<0.005	
2/1/2012	<0.005	
7/17/2012	<0.005	
1/23/2013	<0.005	
7/17/2013	<0.005	
1/23/2014	<0.005	
1/20/2015	<0.005	
7/29/2015	<0.005	
1/25/2016	<0.005	
3/23/2016	<0.005	
5/24/2016	<0.005	
7/22/2016	0.00074 (J)	
9/16/2016	<0.005	
11/17/2016	<0.005	
1/25/2017	<0.005	
3/23/2017	<0.005	
5/1/2017	0.00084 (J)	
8/4/2017	<0.005 (*)	
1/23/2018	0.001 (J)	
6/26/2018	0.00085 (J)	
1/30/2019	<0.005	
6/26/2019	<0.005	
9/12/2019	<0.005	
3/12/2020	<0.005	
9/16/2020	<0.005	
3/18/2021	<0.005	
8/24/2021	<0.005	
3/9/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-35	GWC-35
9/16/2011	<0.005	
10/31/2011	<0.005	
12/12/2011	<0.005	
2/1/2012	<0.005	
7/16/2012	<0.005	
1/22/2013	<0.005	
7/2/2013	<0.005	
1/21/2014	<0.005	
6/25/2014	<0.005	
1/14/2015	<0.005	
7/28/2015	<0.005	
1/21/2016	<0.005	
3/24/2016	<0.005	
5/23/2016	<0.005	
7/21/2016	<0.005	
9/15/2016	<0.005	
11/15/2016	<0.005	
1/26/2017	<0.005	
3/22/2017	<0.005	
5/2/2017	<0.005	
8/3/2017	<0.005	
1/23/2018	<0.005	
6/19/2018	0.00025 (J)	
1/21/2019	<0.005	
6/26/2019	<0.005	
9/12/2019	<0.005	
3/11/2020	<0.005	
9/11/2020	<0.005	
3/16/2021	<0.005	
8/18/2021	<0.005	
3/2/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-5	GWC-5
8/31/2011	<0.005	
10/27/2011	<0.005	
12/5/2011	<0.005	
1/25/2012	<0.005	
7/18/2012	<0.005	
1/9/2013	<0.005	
7/17/2013	<0.005	
1/15/2014	<0.005	
6/25/2014	<0.005	
1/13/2015	<0.005	
7/24/2015	<0.005	
1/20/2016	<0.005	
3/28/2016	<0.005	
5/23/2016	<0.005	
7/21/2016	0.00025 (J)	
9/15/2016	<0.005	
11/15/2016	<0.005	
1/26/2017	<0.005	
3/22/2017	<0.005	
5/2/2017	<0.005	
8/3/2017	<0.005	
1/23/2018	<0.005	
6/25/2018	0.0008 (J)	
1/30/2019	<0.005	
6/26/2019	<0.005	
9/12/2019	<0.005	
3/16/2020	<0.005	
9/9/2020	<0.005	
3/17/2021	<0.005	
8/19/2021	<0.005	
3/2/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-6	GWC-6
8/31/2011	<0.005	
10/30/2011	<0.005	
12/5/2011	<0.005	
1/25/2012	<0.005	
7/24/2012	<0.005	
1/8/2013	<0.005	
7/9/2013	<0.005	
1/15/2014	<0.005	
6/25/2014	<0.005	
1/20/2015	<0.005	
7/24/2015	<0.005	
1/20/2016	<0.005	
3/28/2016	<0.005	
5/24/2016	<0.005	
7/21/2016	<0.005	
9/15/2016	<0.005	
11/16/2016	0.00031 (J)	
1/26/2017	<0.005	
3/22/2017	<0.005	
5/2/2017	<0.005	
8/3/2017	<0.005	
1/23/2018	<0.005	
6/25/2018	0.0008 (J)	
1/30/2019	<0.005	
6/26/2019	<0.005	
9/12/2019	<0.005	
3/16/2020	<0.005	
9/11/2020	<0.005	
3/17/2021	<0.005	
8/18/2021	<0.005	
3/2/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-8	GWC-8
9/7/2011	<0.005	
10/30/2011	<0.005	
12/5/2011	<0.005	
1/19/2012	<0.005	
7/18/2012	<0.005	
1/7/2013	<0.005	
7/9/2013	<0.005	
1/14/2014	<0.005	
6/24/2014	<0.005	
1/20/2015	<0.005	
7/27/2015	<0.005	
1/26/2016	<0.005	
3/29/2016	<0.005	
5/24/2016	<0.005	
7/26/2016	<0.005	
9/19/2016	<0.005	
11/16/2016	<0.005	
1/26/2017	<0.005	
3/23/2017	<0.005	
5/3/2017	0.0018	
8/7/2017	0.00068 (J)	
1/24/2018	0.00025 (J)	
6/21/2018	0.00029 (J)	
1/22/2019	<0.005	
6/25/2019	<0.005	
9/10/2019	<0.005	
3/12/2020	<0.005	
9/14/2020	<0.005	
3/16/2021	<0.005	
8/20/2021	<0.005	
3/2/2022		<0.005

Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-9	GWC-9
9/7/2011	0.015 (O)	
10/30/2011	<0.005	
12/4/2011	<0.005	
1/19/2012	<0.005	
7/18/2012	<0.005	
1/8/2013	<0.005	
7/9/2013	<0.005	
1/14/2014	<0.005	
6/24/2014	<0.005	
1/20/2015	<0.005	
7/27/2015	<0.005	
1/26/2016	<0.005	
3/29/2016	<0.005	
5/24/2016	<0.005	
7/25/2016	<0.005	
9/19/2016	<0.005	
11/16/2016	<0.005	
1/31/2017	0.00053 (J)	
3/23/2017	<0.005	
5/2/2017	<0.005	
8/7/2017	0.0009 (J)	
1/24/2018	0.00052 (J)	
6/21/2018	0.00063 (J)	
1/22/2019	<0.005	
6/25/2019	<0.005	
9/16/2019	<0.005	
3/16/2020	<0.005	
9/11/2020	<0.005	
3/16/2021	<0.005	
8/25/2021	<0.005	
3/9/2022		<0.005

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29	GWA-29
9/17/2011	<0.0025	
10/28/2011	<0.0025	
12/12/2011	<0.0025	
1/31/2012	<0.0025	
7/17/2012	<0.0025	
1/24/2013	<0.0025	
7/24/2013	0.003	
1/22/2014	0.0011 (J)	
7/8/2014	0.0013 (JD)	
1/21/2015	0.00071 (J)	
7/22/2015	0.00059 (J)	
1/19/2016	0.0011 (JD)	
1/17/2017	0.0015	
8/1/2017	0.00098 (J)	
1/19/2018	0.00081 (J)	
6/19/2018	0.0009 (J)	
1/18/2019	0.00061 (J)	
6/25/2019	0.0017	
9/10/2019	0.0015	
3/10/2020	0.00099 (J)	
9/9/2020	0.00094 (J)	
3/15/2021	0.00085 (J)	
8/18/2021	0.0013	
3/2/2022		0.0013

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-11	GWC-11
9/13/2011	<0.001	
10/28/2011	<0.001	
12/4/2011	<0.001	
2/9/2012	<0.001	
7/18/2012	<0.001	
1/8/2013	<0.001	
7/9/2013	<0.001	
1/15/2014	<0.001	
6/25/2014	<0.001	
1/21/2015	<0.001	
7/28/2015	<0.001	
1/26/2016	<0.001	
1/31/2017	<0.001	
8/7/2017	<0.001	
1/24/2018	<0.001	
6/20/2018	<0.001	
1/24/2019	0.00033 (J)	
6/26/2019	<0.001	
9/16/2019	<0.001	
3/16/2020	<0.001	
9/10/2020	<0.001	
3/17/2021	<0.001	
8/23/2021	<0.001	
3/7/2022		<0.001

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-12	GWC-12
9/13/2011	<0.001	
10/28/2011	<0.001	
12/4/2011	<0.001	
1/24/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/10/2013	<0.001	
1/21/2014	<0.001	
7/1/2014	<0.001	
1/21/2015	<0.001	
7/28/2015	<0.001	
1/26/2016	<0.001	
1/31/2017	<0.001	
8/7/2017	<0.001	
1/24/2018	<0.001	
6/26/2018	<0.001	
1/25/2019	0.00017 (J)	
6/26/2019	<0.001	
9/11/2019	<0.001	
3/18/2020	<0.001	
9/10/2020	<0.001	
3/16/2021	<0.001	
8/19/2021	<0.001	
3/7/2022		<0.001

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-14	GWC-14
9/13/2011	<0.001	
10/27/2011	<0.001	
12/3/2011	<0.001	
1/24/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/10/2013	<0.001	
1/21/2014	<0.001	
7/1/2014	<0.001	
1/14/2015	<0.001	
7/22/2015	<0.001	
1/27/2016	0.00078 (J)	
2/1/2017	<0.001	
8/7/2017	<0.001	
1/25/2018	<0.001	
6/20/2018	<0.001	
1/22/2019	<0.001	
6/25/2019	<0.001	
9/12/2019	<0.001	
3/17/2020	<0.001	
9/10/2020	<0.001	
3/17/2021	<0.001	
8/23/2021	<0.001	
3/7/2022		<0.001

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-16	GWC-16
8/30/2011	<0.001	
10/26/2011	<0.001	
12/3/2011	<0.001	
1/25/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/2/2013	<0.001	
1/14/2014	<0.001	
6/25/2014	<0.001	
1/13/2015	<0.001	
7/22/2015	<0.001	
1/27/2016	<0.001	
2/1/2017	<0.001	
8/7/2017	<0.001	
1/25/2018	<0.001	
6/20/2018	<0.001	
1/25/2019	0.00035 (J)	
6/25/2019	<0.001	
9/11/2019	<0.001	
3/17/2020	<0.001	
9/11/2020	<0.001	
3/17/2021	<0.001	
8/20/2021	<0.001	
3/8/2022		<0.001

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-17	GWC-17
8/30/2011	<0.001	
10/27/2011	<0.001	
12/3/2011	<0.001	
1/25/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/16/2013	<0.001	
1/14/2014	<0.001	
6/25/2014	<0.001	
1/14/2015	<0.001	
7/28/2015	<0.001	
1/27/2016	<0.001	
2/1/2017	<0.001	
8/7/2017	<0.001	
1/25/2018	<0.001	
6/26/2018	<0.001	
1/24/2019	0.00047 (J)	
6/25/2019	<0.001	
9/11/2019	<0.001	
3/17/2020	<0.001	
9/14/2020	<0.001	
3/16/2021	<0.001	
8/20/2021	<0.001	
3/8/2022		<0.001

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-21	GWC-21
8/31/2011	<0.001	
10/27/2011	<0.001	
12/4/2011	<0.001	
2/8/2012	<0.001	
7/17/2012	<0.001	
1/9/2013	<0.001	
7/16/2013	<0.001	
1/21/2014	<0.001	
6/24/2014	<0.001	
1/13/2015	<0.001	
7/23/2015	<0.001	
1/26/2016	<0.001	
2/2/2017	<0.001	
8/7/2017	<0.001	
1/26/2018	<0.001	
6/20/2018	<0.001	
1/24/2019	0.00063 (J)	
6/25/2019	<0.001	
9/11/2019	<0.001	
3/18/2020	<0.001	
9/15/2020	<0.001	
3/16/2021	<0.001	
8/19/2021	<0.001	
3/7/2022		<0.001

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-22
9/15/2011	<0.001	
10/29/2011	<0.001	
12/13/2011	<0.001	
1/25/2012	<0.001	
7/18/2012	<0.001	
1/22/2013	<0.001	
7/16/2013	<0.001	
1/21/2014	<0.001	
6/25/2014	<0.001	
1/14/2015	<0.001	
7/23/2015	<0.001	
1/26/2016	<0.001	
2/3/2017	<0.001	
8/8/2017	<0.001	
1/25/2018	<0.001	
6/20/2018	<0.001	
1/24/2019	0.00038 (J)	
6/25/2019	<0.001	
9/10/2019	<0.001	
3/18/2020	<0.001	
9/10/2020	<0.001	
3/15/2021	<0.001	
8/19/2021	<0.001	
3/8/2022		<0.001

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-23	GWC-23
9/16/2011	<0.001	
10/29/2011	<0.001	
12/13/2011	<0.001	
1/31/2012	<0.001	
7/18/2012	<0.001	
1/22/2013	<0.001	
7/23/2013	<0.001	
1/22/2014	<0.001	
7/1/2014	<0.001	
1/22/2015	<0.001	
7/29/2015	<0.001	
1/21/2016	<0.001	
2/3/2017	<0.001	
8/8/2017	<0.001	
1/25/2018	<0.001	
6/20/2018	<0.001	
1/25/2019	0.00039 (J)	
6/26/2019	<0.001	
9/12/2019	<0.001	
3/18/2020	<0.001	
9/10/2020	<0.001	
3/18/2021	<0.001	
8/23/2021	<0.001	
3/9/2022		<0.001

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-24	GWC-24
7/8/2014	<0.001	
7/31/2015	<0.001	
1/20/2016	<0.001	
2/3/2017	<0.001	
8/8/2017	<0.001	
1/25/2018	<0.001	
6/27/2018	<0.001	
1/31/2019	0.00069 (J)	
6/26/2019	<0.001	
9/11/2019	<0.001	
3/12/2020	<0.001	
9/15/2020	<0.001	
3/18/2021		<0.001
8/19/2021		<0.001
3/10/2022		<0.001

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-25	GWC-25
9/17/2011	<0.001	
10/31/2011	<0.001	
12/14/2011	<0.001	
2/7/2012	<0.001	
7/17/2012	<0.001	
7/24/2013	<0.001	
1/23/2014	<0.001	
7/8/2014	<0.001	
1/21/2015	<0.001	
7/30/2015	<0.001	
1/21/2016	<0.001	
1/24/2017	<0.001	
8/3/2017	<0.001	
1/25/2018	<0.001	
6/27/2018	<0.001	
1/24/2019	0.00034 (J)	
6/25/2019	<0.001	
9/11/2019	<0.001	
3/12/2020	<0.001	
9/14/2020	<0.001	
3/17/2021	<0.001	
8/19/2021	<0.001	
3/8/2022		<0.001

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-26	GWC-26
9/17/2011	<0.001	
10/29/2011	<0.001	
12/14/2011	<0.001	
2/7/2012	<0.001	
7/17/2012	<0.001	
1/24/2013	<0.001	
7/24/2013	<0.001	
1/23/2014	<0.001	
7/8/2014	<0.001	
1/21/2015	<0.001	
7/31/2015	<0.001	
1/25/2016	<0.001	
1/19/2017	<0.001	
8/3/2017	<0.001	
1/22/2018	<0.001	
6/27/2018	<0.001	
1/24/2019	0.00019 (J)	
6/25/2019	<0.001	
9/12/2019	<0.001	
3/13/2020	<0.001	
9/15/2020	<0.001	
3/17/2021	<0.001	
8/19/2021	<0.001	
3/9/2022		<0.001

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-27	GWC-27
10/29/2011	<0.001	
12/14/2011	<0.001	
1/25/2012	<0.001	
7/17/2012	<0.001	
1/24/2013	<0.001	
7/24/2013	<0.001	
1/23/2014	<0.001	
7/8/2014	<0.001	
1/21/2015	<0.001	
7/30/2015	<0.001	
1/22/2016	<0.001	
1/20/2017	<0.001	
8/3/2017	<0.001	
1/19/2018	<0.001	
6/27/2018	<0.001	
1/24/2019	0.00061 (J)	
6/26/2019	<0.001	
9/12/2019	<0.001	
3/12/2020	<0.001	
9/9/2020	<0.001	
3/18/2021	<0.001	
8/23/2021	<0.001	
3/8/2022		<0.001

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-31	GWC-31
9/17/2011	<0.001	
10/31/2011	<0.001	
2/7/2012	<0.001	
1/23/2013	<0.001	
1/23/2014	0.00034 (J)	
7/1/2014	0.0039 (O)	
1/21/2015	<0.001	
1/25/2016	<0.001	
1/25/2017	0.00087	
8/4/2017	0.0005 (J)	
1/23/2018	0.00023 (J)	
6/27/2018	0.00016 (J)	
1/31/2019	0.00036 (J)	
6/26/2019	<0.001	
9/11/2019	0.0078 (o)	
1/14/2020	0.00081 (J)	
3/17/2020	0.00018 (J)	
9/11/2020	<0.001	
3/16/2021	0.00024 (J)	
8/25/2021	<0.001	
3/10/2022		<0.001

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-32	GWC-32
9/15/2011	<0.001	
10/31/2011	<0.001	
12/13/2011	<0.001	
2/1/2012	<0.001	
7/17/2012	<0.001	
1/23/2013	<0.001	
7/24/2013	<0.001	
1/23/2014	<0.001	
7/1/2014	<0.001	
1/20/2015	<0.001	
7/30/2015	<0.001	
1/25/2016	<0.001	
1/26/2017	<0.001	
8/3/2017	<0.001	
1/23/2018	<0.001	
6/26/2018	<0.001	
1/30/2019	0.00019 (J)	
6/27/2019	<0.001	
9/12/2019	<0.001	
3/18/2020	<0.001	
9/15/2020	<0.001	
3/17/2021	<0.001	
8/24/2021	<0.001	
3/9/2022		<0.001

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-33
9/16/2011	<0.001	
10/30/2011	<0.001	
12/12/2011	<0.001	
2/1/2012	<0.001	
7/17/2012	<0.001	
1/23/2013	<0.001	
7/17/2013	<0.001	
1/23/2014	<0.001	
1/20/2015	<0.001	
7/29/2015	<0.001	
1/25/2016	<0.001	
1/25/2017	<0.001	
8/4/2017	<0.001	
1/23/2018	<0.001	
6/26/2018	<0.001	
1/30/2019	0.00035 (J)	
6/26/2019	<0.001	
9/12/2019	<0.001	
3/12/2020	<0.001	
9/16/2020	<0.001	
3/18/2021	<0.001	
8/24/2021	<0.001	
3/9/2022		<0.001

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-5	GWC-5
8/31/2011	<0.001	
10/27/2011	<0.001	
12/5/2011	<0.001	
1/25/2012	<0.001	
7/18/2012	<0.001	
1/9/2013	<0.001	
7/17/2013	<0.001	
1/15/2014	<0.001	
6/25/2014	<0.001	
1/13/2015	<0.001	
7/24/2015	<0.001	
1/20/2016	<0.001	
1/26/2017	<0.001	
8/3/2017	<0.001	
1/23/2018	<0.001	
6/25/2018	<0.001	
1/30/2019	0.00016 (J)	
6/26/2019	<0.001	
9/12/2019	<0.001	
3/16/2020	<0.001	
9/9/2020	<0.001	
3/17/2021	<0.001	
8/19/2021	<0.001	
3/2/2022		<0.001

Prediction Limit

Constituent: Silver (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-6	GWC-6
8/31/2011	<0.001	
10/30/2011	<0.001	
12/5/2011	<0.001	
1/25/2012	<0.001	
7/24/2012	<0.001	
1/8/2013	<0.001	
7/9/2013	<0.001	
1/15/2014	<0.001	
6/25/2014	<0.001	
1/20/2015	<0.001	
7/24/2015	<0.001	
1/20/2016	0.00051 (J)	
1/26/2017	<0.001	
8/3/2017	<0.001	
1/23/2018	<0.001	
6/25/2018	<0.001	
1/30/2019	0.0032	
6/26/2019	<0.001	
9/12/2019	<0.001	
3/16/2020	<0.001	
9/11/2020	<0.001	
3/17/2021	<0.001	
8/18/2021	<0.001	
3/2/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1	GWA-1
9/16/2011	<0.001	
10/27/2011	<0.001	
12/13/2011	<0.001	
1/31/2012	<0.001	
7/18/2012	<0.001	
1/24/2013	<0.001	
7/17/2013	<0.001	
1/21/2014	<0.001	
6/25/2014	<0.001	
1/14/2015	<0.001	
7/21/2015	<0.001	
1/21/2016	<0.001	
3/23/2016	<0.001	
5/20/2016	<0.001	
7/21/2016	<0.001	
9/15/2016	<0.001	
11/11/2016	<0.001	
1/19/2017	<0.001	
3/16/2017	<0.001	
4/28/2017	<0.001	
8/3/2017	<0.001	
1/19/2018	<0.001	
6/19/2018	<0.001	
1/17/2019	6.6E-05 (J)	
6/24/2019	0.0002 (J)	
9/9/2019	0.00015 (J)	
3/10/2020	0.00029 (J)	
9/9/2020	<0.001	
3/15/2021	<0.001	
8/16/2021	<0.001	
2/28/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-2	GWA-2
9/17/2011	<0.001	
10/27/2011	<0.001	
12/14/2011	<0.001	
2/7/2012	<0.001	
7/23/2012	<0.001	
1/23/2013	<0.001	
7/24/2013	<0.001	
1/22/2014	<0.001	
7/1/2014	<0.001	
7/22/2015	<0.001	
1/20/2016	<0.001	
3/23/2016	<0.001	
5/24/2016	<0.001	
7/26/2016	<0.001	
9/16/2016	<0.001	
11/10/2016	<0.001	
1/19/2017	<0.001	
3/17/2017	<0.001	
4/28/2017	<0.001	
8/2/2017	<0.001	
1/19/2018	<0.001	
6/19/2018	<0.001	
1/17/2019	<0.001	
6/24/2019	<0.001	
9/10/2019	<0.001	
3/10/2020	0.00018 (J)	
9/10/2020	<0.001	
3/15/2021	<0.001	
8/18/2021	<0.001	
3/1/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-4	GWA-4
8/31/2011	<0.001	
10/27/2011	<0.001	
12/14/2011	<0.001	
2/1/2012	<0.001	
7/23/2012	<0.001	
1/23/2013	<0.001	
7/17/2013	<0.001	
1/15/2014	<0.001	
6/25/2014	<0.001	
1/14/2015	0.0001 (J)	
7/21/2015	0.0001 (J)	
1/20/2016	<0.001	
3/23/2016	<0.001	
5/19/2016	<0.001	
7/21/2016	<0.001	
9/14/2016	<0.001	
11/10/2016	<0.001	
1/17/2017	<0.001	
3/16/2017	<0.001	
4/27/2017	<0.001	
8/2/2017	<0.001	
1/22/2018	<0.001	
6/19/2018	<0.001	
1/17/2019	<0.001	
6/24/2019	<0.001	
9/10/2019	<0.001	
3/10/2020	<0.001	
9/9/2020	<0.001	
3/15/2021	<0.001	
8/18/2021	<0.001	
3/1/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-11	GWC-11
9/13/2011	<0.001	
10/28/2011	<0.001	
12/4/2011	<0.001	
2/9/2012	<0.001	
7/18/2012	<0.001	
1/8/2013	<0.001	
7/9/2013	<0.001	
1/15/2014	<0.001	
6/25/2014	<0.001	
1/26/2016	<0.001	
3/29/2016	<0.001	
5/25/2016	<0.001	
7/25/2016	<0.001	
9/19/2016	<0.001	
11/16/2016	<0.001	
1/31/2017	<0.001	
3/23/2017	<0.001	
5/2/2017	<0.001	
8/7/2017	<0.001	
1/24/2018	<0.001	
6/20/2018	<0.001	
1/24/2019	<0.001	
6/26/2019	<0.001	
9/16/2019	<0.001	
3/16/2020	0.00067 (J)	
9/10/2020	<0.001	
3/17/2021	<0.001	
8/23/2021	<0.001	
3/7/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-12	GWC-12
9/13/2011	<0.001	
10/28/2011	<0.001	
12/4/2011	<0.001	
1/24/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/10/2013	<0.001	
1/21/2014	<0.001	
7/1/2014	<0.001	
1/26/2016	<0.001	
3/29/2016	<0.001	
5/25/2016	<0.001	
7/22/2016	<0.001	
9/15/2016	<0.001	
11/16/2016	<0.001	
1/31/2017	<0.001	
3/23/2017	<0.001	
5/3/2017	<0.001	
8/7/2017	<0.001	
1/24/2018	<0.001	
6/26/2018	<0.001	
1/25/2019	<0.001	
6/26/2019	<0.001	
9/11/2019	<0.001	
3/18/2020	0.00037 (J)	
9/10/2020	<0.001	
3/16/2021	<0.001	
8/19/2021	0.00032 (J)	
3/7/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-13
9/13/2011	<0.001	
10/28/2011	<0.001	
12/4/2011	<0.001	
1/24/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/10/2013	<0.001	
1/21/2014	<0.001	
7/1/2014	<0.001	
1/27/2016	<0.001	
3/29/2016	<0.001	
5/25/2016	<0.001	
7/26/2016	<0.001	
9/15/2016	<0.001	
11/17/2016	<0.001	
1/31/2017	<0.001	
3/23/2017	<0.001	
5/3/2017	<0.001	
8/4/2017	<0.001	
1/25/2018	<0.001	
6/20/2018	<0.001	
1/22/2019	<0.001	
6/25/2019	<0.001	
9/12/2019	<0.001	
3/12/2020	<0.001	
9/10/2020	0.00022 (J)	
3/17/2021	<0.001	
8/23/2021	<0.001	
3/8/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-14	GWC-14
9/13/2011	<0.001	
10/27/2011	<0.001	
12/3/2011	<0.001	
1/24/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/10/2013	<0.001	
1/21/2014	0.0002 (J)	
7/1/2014	0.0001	
1/14/2015	0.0002 (J)	
7/22/2015	0.003 (JO)	
1/27/2016	0.000616 (J)	
3/30/2016	0.000411 (J)	
5/25/2016	0.000445 (J)	
7/26/2016	0.0013	
9/15/2016	0.00033 (J)	
11/17/2016	0.00041 (J)	
2/1/2017	0.00041 (J)	
3/23/2017	0.0004 (J)	
5/3/2017	0.00058	
8/7/2017	0.00046 (J)	
1/25/2018	0.00049 (J)	
6/20/2018	0.00038 (J)	
1/22/2019	0.00047 (J)	
6/25/2019	0.00046 (J)	
9/12/2019	0.00047 (J)	
3/17/2020	0.00055 (J)	
9/10/2020	0.00053 (J)	
3/17/2021	0.00043 (J)	
8/23/2021	0.00055 (J)	
3/7/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-15	GWC-15
9/16/2011	<0.001	
10/27/2011	<0.001	
12/3/2011	<0.001	
2/8/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/2/2013	<0.001	
1/21/2014	<0.001	
6/24/2014	<0.001	
1/14/2015	<0.001	
7/22/2015	<0.001	
1/27/2016	<0.001	
3/30/2016	<0.001	
5/25/2016	<0.001	
7/26/2016	<0.001	
9/20/2016	<0.001	
11/17/2016	<0.001	
2/1/2017	<0.001	
3/23/2017	<0.001	
5/3/2017	<0.001	
8/4/2017	<0.001	
1/25/2018	<0.001	
6/20/2018	<0.001	
1/22/2019	<0.001	
6/25/2019	<0.001	
9/17/2019	<0.001	
3/16/2020	0.00025 (J)	
9/10/2020	0.00034 (J)	
3/18/2021	<0.001	
8/24/2021	<0.001	
3/7/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-19	GWC-19
8/30/2011	<0.001	
10/26/2011	<0.001	
12/3/2011	<0.001	
2/8/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/16/2013	<0.001	
1/21/2014	0.0001 (J)	
6/24/2014	<0.001	
1/13/2015	<0.001	
7/23/2015	<0.001	
1/27/2016	<0.001	
3/30/2016	<0.001	
5/26/2016	<0.001	
7/25/2016	<0.001	
9/19/2016	<0.001	
11/17/2016	<0.001	
2/2/2017	<0.001	
3/24/2017	<0.001	
5/3/2017	<0.001	
8/7/2017	<0.001	
1/25/2018	<0.001	
6/21/2018	<0.001	
1/28/2019	<0.001	
6/26/2019	<0.001	
9/12/2019	<0.001	
3/18/2020	<0.001	
9/15/2020	<0.001	
3/17/2021	0.00033 (J)	
8/24/2021	<0.001	
3/8/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-20	GWC-20
8/31/2011	<0.001	
10/27/2011	<0.001	
12/4/2011	<0.001	
2/8/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/16/2013	<0.001	
1/21/2014	<0.001	
6/24/2014	<0.001	
1/13/2015	<0.001	
7/23/2015	<0.001	
1/27/2016	<0.001	
3/30/2016	<0.001	
5/26/2016	<0.001	
7/25/2016	<0.001	
9/20/2016	<0.001	
11/17/2016	<0.001	
2/2/2017	<0.001	
3/28/2017	<0.001	
5/4/2017	<0.001	
8/7/2017	<0.001	
1/26/2018	<0.001	
6/21/2018	<0.001	
1/28/2019	<0.001	
6/25/2019	<0.001	
9/11/2019	<0.001	
3/18/2020	<0.001	
9/15/2020	<0.001	
3/16/2021	0.00035 (J)	
8/24/2021	<0.001	
3/7/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-21	GWC-21
8/31/2011	<0.001	
10/27/2011	<0.001	
12/4/2011	<0.001	
2/8/2012	<0.001	
7/17/2012	<0.001	
1/9/2013	<0.001	
7/16/2013	<0.001	
1/21/2014	<0.001	
6/24/2014	<0.001	
1/13/2015	<0.001	
7/23/2015	<0.001	
1/26/2016	<0.001	
3/30/2016	<0.001	
5/26/2016	<0.001	
7/26/2016	<0.001	
9/20/2016	<0.001	
11/17/2016	<0.001	
2/2/2017	<0.001	
3/28/2017	<0.001	
5/4/2017	<0.001	
8/7/2017	<0.001	
1/26/2018	<0.001	
6/20/2018	<0.001	
1/24/2019	<0.001	
6/25/2019	<0.001	
9/11/2019	0.00026 (J)	
3/18/2020	<0.001	
9/15/2020	<0.001	
3/16/2021	0.00034 (J)	
8/19/2021	0.00052 (J)	
3/7/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-22
9/15/2011	<0.001	
10/29/2011	<0.001	
12/13/2011	<0.001	
1/25/2012	<0.001	
7/18/2012	<0.001	
1/22/2013	<0.001	
7/16/2013	<0.001	
1/21/2014	<0.001	
6/25/2014	<0.001	
1/14/2015	<0.001	
7/23/2015	<0.001	
1/26/2016	<0.001	
3/31/2016	<0.001	
5/26/2016	<0.001	
7/26/2016	<0.001	
9/20/2016	<0.001	
11/17/2016	<0.001	
2/3/2017	<0.001	
3/28/2017	<0.001	
5/3/2017	<0.001	
8/8/2017	<0.001	
1/25/2018	<0.001	
6/20/2018	<0.001	
1/24/2019	<0.001	
6/25/2019	<0.001	
9/10/2019	<0.001	
3/18/2020	0.00066 (J)	
9/10/2020	<0.001	
3/15/2021	0.00052 (J)	
8/19/2021	0.00025 (J)	
3/8/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-23	GWC-23
9/16/2011	<0.001	
10/29/2011	<0.001	
12/13/2011	<0.001	
1/31/2012	<0.001	
7/18/2012	<0.001	
1/22/2013	<0.001	
7/23/2013	<0.001	
1/22/2014	<0.001	
7/1/2014	<0.001	
1/21/2016	<0.001	
3/29/2016	<0.001	
5/25/2016	<0.001	
7/27/2016	<0.001	
9/20/2016	<0.001	
11/18/2016	<0.001	
2/3/2017	<0.001	
3/28/2017	<0.001	
5/4/2017	<0.001	
8/8/2017	<0.001	
1/25/2018	<0.001	
6/20/2018	<0.001	
1/25/2019	<0.001	
6/26/2019	<0.001	
9/12/2019	<0.001	
3/18/2020	0.00024 (J)	
9/10/2020	<0.001	
3/18/2021	0.00051 (J)	
8/23/2021	<0.001	
3/9/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-24	GWC-24
7/8/2014	<0.001	
1/20/2016	<0.001	
3/30/2016	<0.001	
5/25/2016	<0.001	
7/27/2016	<0.001	
9/16/2016	<0.001	
11/18/2016	<0.001	
2/3/2017	<0.001	
3/29/2017	<0.001	
5/4/2017	<0.001	
8/8/2017	<0.001	
1/25/2018	<0.001	
6/27/2018	<0.001	
1/31/2019	<0.001	
6/26/2019	<0.001	
9/11/2019	0.00023 (J)	
3/12/2020	<0.001	
9/15/2020	<0.001	
3/18/2021	0.00025 (J)	
8/19/2021	<0.001	
3/10/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-25	GWC-25
9/17/2011	<0.001	
10/31/2011	<0.001	
12/14/2011	<0.001	
2/7/2012	<0.001	
7/17/2012	<0.001	
7/24/2013	<0.001	
1/23/2014	<0.001	
7/8/2014	<0.001	
1/21/2016	<0.001	
3/28/2016	<0.001	
5/25/2016	<0.001	
7/27/2016	<0.001	
9/19/2016	<0.001	
11/15/2016	<0.001	
1/24/2017	<0.001	
3/23/2017	<0.001	
5/2/2017	<0.001	
8/3/2017	<0.001	
1/25/2018	<0.001	
6/27/2018	<0.001	
1/24/2019	<0.001	
6/25/2019	<0.001	
9/11/2019	0.00028 (J)	
3/12/2020	<0.001	
9/14/2020	<0.001	
3/17/2021	0.00015 (J)	
8/19/2021	<0.001	
3/8/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-27	GWC-27
9/17/2011	<0.001	
10/29/2011	<0.001	
12/14/2011	<0.001	
1/25/2012	<0.001	
7/17/2012	<0.001	
1/24/2013	<0.001	
7/24/2013	<0.001	
1/23/2014	0.0001 (J)	
7/8/2014	0.0001	
1/22/2016	0.000193 (J)	
3/23/2016	<0.001	
5/24/2016	<0.001	
7/26/2016	0.00017 (J)	
9/19/2016	0.00016 (J)	
11/11/2016	<0.001	
1/20/2017	0.00016 (J)	
3/16/2017	0.00017 (J)	
4/28/2017	0.00018 (J)	
8/3/2017	0.00016 (J)	
1/19/2018	0.00016 (J)	
6/27/2018	0.00015 (J)	
1/24/2019	0.0002 (J)	
6/26/2019	0.00019 (J)	
9/12/2019	0.00021 (J)	
3/12/2020	0.0002 (J)	
9/9/2020	0.00017 (J)	
3/18/2021	0.00021 (J)	
8/23/2021	0.00018 (J)	
3/8/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-30	GWC-30
9/15/2011	<0.001	
10/28/2011	<0.001	
12/13/2011	<0.001	
2/8/2012	<0.001	
7/18/2012	<0.001	
1/24/2013	<0.001	
7/24/2013	<0.001	
1/23/2014	<0.001	
7/1/2014	<0.001	
1/19/2016	<0.001	
3/23/2016	<0.001	
5/20/2016	<0.001	
7/21/2016	<0.001	
9/20/2016	<0.001	
11/14/2016	<0.001	
1/24/2017	<0.001	
3/17/2017	<0.001	
5/1/2017	<0.001	
8/4/2017	<0.001	
1/24/2018	<0.001	
6/21/2018	<0.001	
1/30/2019	<0.001	
6/27/2019	<0.001	
9/10/2019	<0.001	
3/11/2020	<0.001	
9/10/2020	0.00021 (J)	
3/18/2021	<0.001	
8/23/2021	<0.001	
3/2/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-31	GWC-31
9/17/2011	<0.001	
10/31/2011	<0.001	
2/7/2012	<0.001	
1/23/2013	<0.001	
1/23/2014	<0.001	
7/1/2014	<0.001	
1/25/2016	<0.001	
3/30/2016	<0.001	
5/25/2016	<0.001	
7/27/2016	<0.001	
1/25/2017	<0.001	
3/23/2017	<0.001	
5/2/2017	<0.001	
7/19/2017	<0.001	
8/4/2017	<0.001	
1/23/2018	<0.001	
6/27/2018	<0.001	
1/31/2019	<0.001	
6/26/2019	<0.001	
9/11/2019	<0.001	
3/17/2020	0.00017 (J)	
9/11/2020	<0.001	
3/16/2021	<0.001	
8/25/2021	<0.001	
3/10/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-33
9/16/2011	<0.001	
10/30/2011	<0.001	
12/12/2011	<0.001	
2/1/2012	<0.001	
7/17/2012	<0.001	
1/23/2013	<0.001	
7/17/2013	<0.001	
1/23/2014	0.0002 (J)	
1/25/2016	0.000227 (J)	
3/23/2016	<0.001	
5/24/2016	0.000242 (J)	
7/22/2016	0.00022 (J)	
9/16/2016	0.00021 (J)	
11/17/2016	0.00017 (J)	
1/25/2017	<0.001	
3/23/2017	0.00017 (J)	
5/1/2017	0.00018 (J)	
8/4/2017	0.00016 (J)	
1/23/2018	0.00012 (J)	
6/26/2018	0.00013 (J)	
1/30/2019	<0.001	
6/26/2019	0.0002 (J)	
9/12/2019	<0.001	
3/12/2020	0.00035 (J)	
9/16/2020	<0.001	
3/18/2021	<0.001	
8/24/2021	0.00032 (J)	
3/9/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-34	GWC-34
9/16/2011	<0.001	
10/31/2011	<0.001	
12/12/2011	<0.001	
2/1/2012	<0.001	
7/16/2012	<0.001	
1/22/2013	<0.001	
7/17/2013	<0.001	
1/23/2014	<0.001	
6/25/2014	<0.001	
1/14/2015	<0.001	
1/21/2016	<0.001	
3/24/2016	<0.001	
5/23/2016	<0.001	
7/21/2016	<0.001	
9/15/2016	<0.001	
11/15/2016	<0.001	
1/25/2017	<0.001	
3/22/2017	<0.001	
5/1/2017	<0.001	
8/3/2017	<0.001	
1/23/2018	<0.001	
6/20/2018	<0.001	
1/28/2019	<0.001	
6/26/2019	0.00014 (J)	
9/11/2019	<0.001	
3/11/2020	<0.001	
9/11/2020	<0.001	
3/16/2021	<0.001	
8/24/2021	<0.001	
3/2/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-35	GWC-35
9/16/2011	<0.001	
10/31/2011	<0.001	
12/12/2011	<0.001	
2/1/2012	<0.001	
7/16/2012	<0.001	
1/22/2013	<0.001	
7/2/2013	<0.001	
1/21/2014	<0.001	
6/25/2014	0.0001	
1/14/2015	<0.001	
1/21/2016	<0.001	
3/24/2016	<0.001	
5/23/2016	<0.001	
7/21/2016	<0.001	
9/15/2016	<0.001	
11/15/2016	<0.001	
1/26/2017	<0.001	
3/22/2017	<0.001	
5/2/2017	<0.001	
8/3/2017	<0.001	
1/23/2018	<0.001	
6/19/2018	<0.001	
1/21/2019	<0.001	
6/26/2019	0.00019 (J)	
9/12/2019	<0.001	
3/11/2020	<0.001	
9/11/2020	0.0004 (J)	
3/16/2021	<0.001	
8/18/2021	<0.001	
3/2/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-6	GWC-6
8/31/2011	<0.001	
10/30/2011	<0.001	
12/5/2011	<0.001	
1/25/2012	<0.001	
7/23/2012	<0.001	
7/24/2012	<0.001	
1/8/2013	<0.001	
7/9/2013	<0.001	
1/15/2014	<0.001	
6/25/2014	<0.001	
7/24/2015	7E-05 (J)	
1/20/2016	6.7E-05 (J)	
3/28/2016	<0.001	
5/24/2016	<0.001	
7/21/2016	<0.001	
9/15/2016	<0.001	
11/16/2016	0.00012 (J)	
1/26/2017	<0.001	
3/22/2017	<0.001	
5/2/2017	<0.001	
8/3/2017	<0.001	
1/23/2018	<0.001	
6/25/2018	0.00011 (J)	
1/30/2019	<0.001	
6/26/2019	<0.001	
9/12/2019	0.00017 (J)	
3/16/2020	0.00015 (J)	
9/11/2020	0.00025 (J)	
3/17/2021	<0.001	
8/18/2021	<0.001	
3/2/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-7	GWC-7
9/7/2011	<0.001	
10/30/2011	<0.001	
12/5/2011	<0.001	
1/25/2012	<0.001	
7/18/2012	<0.001	
1/7/2013	<0.001	
7/9/2013	<0.001	
1/14/2014	<0.001	
6/24/2014	<0.001	
1/26/2016	8.5E-05 (J)	
3/29/2016	<0.001	
5/24/2016	<0.001	
7/22/2016	<0.001	
9/15/2016	<0.001	
11/16/2016	<0.001	
1/26/2017	<0.001	
3/22/2017	<0.001	
5/2/2017	<0.001	
8/4/2017	<0.001	
1/23/2018	<0.001	
6/25/2018	<0.001	
1/21/2019	<0.001	
6/25/2019	<0.001	
9/10/2019	<0.001	
3/12/2020	<0.001	
9/14/2020	<0.001	
3/16/2021	<0.001	
8/19/2021	<0.001	
3/2/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-8	GWC-8
9/7/2011	<0.001	
10/30/2011	<0.001	
12/5/2011	<0.001	
1/19/2012	<0.001	
7/18/2012	<0.001	
1/7/2013	<0.001	
7/9/2013	<0.001	
1/14/2014	<0.001	
6/24/2014	<0.001	
1/26/2016	<0.001	
3/29/2016	<0.001	
5/24/2016	<0.001	
7/26/2016	<0.001	
9/19/2016	<0.001	
11/16/2016	9E-05 (J)	
1/26/2017	0.00012 (J)	
3/23/2017	<0.001	
5/3/2017	0.00016 (J)	
8/7/2017	0.0001 (J)	
1/24/2018	<0.001	
6/21/2018	<0.001	
1/22/2019	<0.001	
6/25/2019	<0.001	
9/10/2019	<0.001	
3/12/2020	0.00064 (J)	
9/14/2020	<0.001	
3/16/2021	<0.001	
8/20/2021	0.00028 (J)	
3/2/2022		<0.001

Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-9	GWC-9
9/7/2011	<0.001	
10/30/2011	<0.001	
12/4/2011	<0.001	
1/19/2012	<0.001	
7/18/2012	<0.001	
1/8/2013	<0.001	
7/9/2013	<0.001	
1/14/2014	<0.001	
6/24/2014	<0.001	
1/26/2016	7.3E-05 (J)	
3/29/2016	<0.001	
5/24/2016	<0.001	
7/25/2016	<0.001	
9/19/2016	0.00026 (J)	
11/16/2016	0.00015 (J)	
1/31/2017	<0.001	
3/23/2017	<0.001	
5/2/2017	<0.001	
8/7/2017	<0.001	
1/24/2018	<0.001	
6/21/2018	<0.001	
1/22/2019	<0.001	
6/25/2019	<0.001	
9/16/2019	<0.001	
3/16/2020	0.00044 (J)	
9/11/2020	0.00017 (J)	
3/16/2021	0.00017 (J)	
8/25/2021	<0.001	
3/9/2022		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1	GWA-1
9/16/2011	<0.001	
10/27/2011	<0.001	
12/13/2011	<0.001	
1/31/2012	<0.001	
7/18/2012	<0.001	
1/24/2013	<0.001	
7/17/2013	<0.001	
1/21/2014	<0.001	
6/25/2014	<0.001	
1/14/2015	<0.001	
7/21/2015	<0.001	
1/21/2016	<0.001	
1/19/2017	<0.001	
8/3/2017	<0.001	
1/19/2018	<0.001	
6/19/2018	<0.001	
1/17/2019	0.0012	
6/24/2019	0.0028	
9/9/2019	<0.001	
3/10/2020	<0.001	
9/9/2020	<0.001	
3/15/2021	<0.001	
8/16/2021	<0.001	
2/28/2022		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-2	GWA-2
9/17/2011	<0.001	
10/27/2011	<0.001	
12/14/2011	<0.001	
2/7/2012	<0.001	
7/23/2012	<0.001	
1/23/2013	<0.001	
7/24/2013	<0.001	
1/22/2014	<0.001	
7/1/2014	0.0012 (J)	
1/22/2015	0.0013 (J)	
7/22/2015	<0.001	
1/20/2016	<0.001	
1/19/2017	<0.001	
8/2/2017	<0.001	
1/19/2018	<0.001	
6/19/2018	0.0024 (J)	
1/17/2019	0.0016	
6/24/2019	0.0018	
9/10/2019	0.0011	
3/10/2020	<0.001	
9/10/2020	<0.001	
3/15/2021	<0.001	
8/18/2021	0.0011	
3/1/2022		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28	GWA-28
9/16/2011	<0.001	
10/28/2011	<0.001	
12/12/2011	<0.001	
1/25/2012	<0.001	
7/16/2012	<0.001	
1/24/2013	<0.001	
7/23/2013	<0.001	
1/22/2014	0.00072 (J)	
7/1/2014	<0.001	
1/21/2015	<0.001	
7/21/2015	<0.001	
1/22/2016	<0.001	
1/17/2017	<0.001	
8/1/2017	<0.001	
1/19/2018	<0.001	
6/19/2018	<0.001	
1/21/2019	0.0012	
6/25/2019	0.0025	
9/10/2019	0.0012	
3/10/2020	<0.001	
9/9/2020	<0.001	
3/15/2021	<0.001	
8/16/2021	0.0011	
3/1/2022		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29	GWA-29
9/17/2011	<0.001	
10/28/2011	<0.001	
12/12/2011	<0.001	
1/31/2012	<0.001	
7/17/2012	<0.001	
1/24/2013	<0.001	
7/24/2013	<0.001	
1/22/2014	<0.001	
7/8/2014	<0.001 (D)	
1/21/2015	<0.001	
7/22/2015	<0.001	
1/19/2016	<0.001 (D)	
1/17/2017	<0.001	
8/1/2017	<0.001 (*)	
1/19/2018	<0.001	
6/19/2018	0.0014 (J)	
1/18/2019	0.0015	
6/25/2019	0.0023	
9/10/2019	<0.001	
3/10/2020	<0.001	
9/9/2020	<0.001	
3/15/2021	0.0017	
8/18/2021	0.0012	
3/2/2022		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-3	GWA-3
8/31/2011	<0.001	
6/25/2014	<0.001	
7/21/2015	<0.001	
8/1/2017	<0.001	
6/20/2018	<0.001	
1/18/2019	0.0019	
6/25/2019	0.0028	
9/11/2019	0.0014	
3/10/2020	<0.001	
9/9/2020	0.0018	
3/15/2021		<0.001
8/18/2021		0.0015
3/1/2022		0.0012

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-4	GWA-4
8/31/2011	<0.001	
10/27/2011	<0.001	
12/14/2011	<0.001	
2/1/2012	<0.001	
7/23/2012	<0.001	
1/23/2013	<0.001	
7/17/2013	<0.001	
1/15/2014	0.0016 (J)	
6/25/2014	0.00084 (J)	
1/14/2015	0.0014 (J)	
7/21/2015	<0.001	
1/20/2016	<0.001	
1/17/2017	<0.001	
8/2/2017	<0.001	
1/22/2018	0.002 (J)	
6/19/2018	0.0019 (J)	
1/17/2019	0.0016	
6/24/2019	0.002	
9/10/2019	<0.001	
3/10/2020	<0.001	
9/9/2020	<0.001	
3/15/2021	<0.001	
8/18/2021	0.0011	
3/1/2022		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-10	GWC-10
1/25/2016	<0.001	
2/1/2017	0.0032	
8/8/2017	<0.001	
1/25/2018	0.003	
6/21/2018	0.0018 (J)	
1/31/2019	0.0015	
6/26/2019	0.0014	
9/17/2019	<0.001	
3/17/2020	<0.001	
9/10/2020	<0.001	
3/18/2021		<0.001
8/20/2021		<0.001
3/8/2022		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-11	GWC-11
9/13/2011	0.0064	
10/28/2011	<0.0025	
12/4/2011	<0.0025	
2/9/2012	<0.0025	
7/18/2012	0.0062	
1/8/2013	<0.0025	
7/9/2013	0.0053	
1/15/2014	0.0064	
6/25/2014	0.0064	
1/21/2015	0.0059	
7/28/2015	0.0054	
1/26/2016	0.0019 (J)	
1/31/2017	0.0029	
8/7/2017	0.0024 (J)	
1/24/2018	<0.0025	
6/20/2018	0.003	
1/24/2019	0.0032	
6/26/2019	0.0035	
9/16/2019	0.0035	
3/16/2020	0.0027	
9/10/2020	0.0028	
3/17/2021	0.0029	
8/23/2021	0.0025	
3/7/2022		0.0025

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-12	GWC-12
9/13/2011	<0.001	
10/28/2011	<0.001	
12/4/2011	<0.001	
1/24/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/10/2013	<0.001	
1/21/2014	<0.001	
7/1/2014	<0.001	
1/21/2015	<0.001	
7/28/2015	<0.001	
1/26/2016	<0.001	
1/31/2017	<0.001	
8/7/2017	<0.001	
1/24/2018	<0.001	
6/26/2018	<0.001	
1/25/2019	<0.001	
6/26/2019	0.0013	
9/11/2019	0.0011	
3/18/2020	<0.001	
9/10/2020	<0.001	
3/16/2021	<0.001	
8/19/2021	<0.001	
3/7/2022		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:10 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-13
9/13/2011	<0.001	
10/28/2011	<0.001	
12/4/2011	<0.001	
1/24/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/10/2013	<0.001	
1/21/2014	<0.001	
7/1/2014	<0.001	
1/21/2015	<0.001	
7/28/2015	<0.001	
1/27/2016	<0.001	
1/31/2017	0.0015 (J)	
8/4/2017	<0.001	
1/25/2018	<0.001	
6/20/2018	<0.001	
1/22/2019	0.0015	
6/25/2019	0.0021	
9/12/2019	0.0015	
3/12/2020	<0.001	
9/10/2020	<0.001	
3/17/2021	<0.001	
8/23/2021	<0.001	
3/8/2022		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-14	GWC-14
9/13/2011	<0.001	
10/27/2011	<0.001	
12/3/2011	<0.001	
1/24/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/10/2013	<0.001	
1/21/2014	<0.001	
7/1/2014	<0.001	
1/14/2015	<0.001	
7/22/2015	<0.001	
1/27/2016	<0.001	
2/1/2017	0.002 (J)	
8/7/2017	<0.001	
1/25/2018	<0.001	
6/20/2018	0.0016 (J)	
1/22/2019	<0.001	
6/25/2019	0.0014	
9/12/2019	0.0012	
3/17/2020	<0.001	
9/10/2020	<0.001	
3/17/2021	<0.001	
8/23/2021	<0.001	
3/7/2022		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-15	GWC-15
9/16/2011	<0.001	
10/27/2011	<0.001	
12/3/2011	<0.001	
2/8/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/2/2013	<0.001	
1/21/2014	<0.001	
6/24/2014	<0.001	
1/14/2015	<0.001	
7/22/2015	<0.001	
1/27/2016	<0.001	
2/1/2017	0.0016 (J)	
8/4/2017	<0.001	
1/25/2018	0.003	
6/20/2018	<0.001	
1/22/2019	0.0012	
6/25/2019	0.0019	
9/17/2019	0.0013	
3/16/2020	<0.001	
9/10/2020	<0.001	
3/18/2021	<0.001	
8/24/2021	0.0012	
3/7/2022		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-16	GWC-16
8/30/2011	0.0028	
10/26/2011	<0.005	
12/3/2011	<0.005	
1/25/2012	<0.005	
7/11/2012	<0.005	
1/8/2013	<0.005	
7/2/2013	<0.005	
1/14/2014	0.0036 (J)	
6/25/2014	0.0033 (J)	
1/13/2015	0.0037 (J)	
7/22/2015	0.0031 (J)	
1/27/2016	0.0035 (J)	
2/1/2017	0.0067	
8/7/2017	0.005	
1/25/2018	0.0058	
6/20/2018	0.0039	
1/25/2019	0.0052	
6/25/2019	0.0056	
9/11/2019	0.0048	
3/17/2020	0.0044	
9/11/2020	0.0039	
3/17/2021	0.004	
8/20/2021	0.0047	
3/8/2022		0.0039

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-17	GWC-17
8/30/2011	<0.0025	
10/27/2011	<0.0025	
12/3/2011	<0.0025	
1/25/2012	<0.0025	
7/11/2012	<0.0025	
1/8/2013	<0.0025	
7/16/2013	<0.0025	
1/14/2014	0.0019 (J)	
6/25/2014	0.001 (J)	
1/14/2015	0.0014 (J)	
7/28/2015	0.0027 (J)	
1/27/2016	0.0018 (J)	
2/1/2017	0.0044	
8/7/2017	<0.0025	
1/25/2018	0.0042	
6/26/2018	0.0023 (J)	
1/24/2019	0.0027	
6/25/2019	0.005	
9/11/2019	0.0023	
3/17/2020	0.0024	
9/14/2020	0.0017	
3/16/2021	0.0023	
8/20/2021	0.0032	
3/8/2022		0.0019

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-18	GWC-18
8/30/2011	<0.0025	
10/26/2011	<0.0025	
12/3/2011	<0.0025	
2/8/2012	<0.0025	
7/11/2012	<0.0025	
1/8/2013	<0.0025	
7/16/2013	<0.0025	
1/14/2014	0.0022 (J)	
6/24/2014	<0.0025	
1/13/2015	0.00084 (J)	
7/23/2015	<0.0025	
1/27/2016	0.00096 (J)	
2/1/2017	0.0036	
8/7/2017	<0.0025	
1/25/2018	<0.0025	
6/21/2018	<0.0025	
1/28/2019	0.0015	
6/27/2019	0.0031	
9/11/2019	0.0017	
3/17/2020	0.0015	
9/14/2020	0.0018	
3/16/2021	0.0017	
8/24/2021	0.0019	
3/8/2022		0.0014

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-19	GWC-19
8/30/2011	<0.001	
10/26/2011	<0.001	
12/3/2011	<0.001	
2/8/2012	<0.001	
7/11/2012	<0.001	
1/8/2013	<0.001	
7/16/2013	<0.001	
1/21/2014	<0.001	
6/24/2014	<0.001	
1/13/2015	<0.001	
7/23/2015	0.0016 (J)	
1/27/2016	<0.001	
2/2/2017	0.0015 (J)	
8/7/2017	0.0016 (J)	
1/25/2018	0.0021 (J)	
6/21/2018	<0.001	
1/28/2019	<0.001	
6/26/2019	0.0023	
9/12/2019	0.0015	
3/18/2020	0.0011	
9/15/2020	0.0012	
3/17/2021	0.001	
8/24/2021	0.0016	
3/8/2022		0.0011

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-20	GWC-20
8/31/2011	0.0035	
10/27/2011	<0.005	
12/4/2011	<0.005	
2/8/2012	<0.005	
7/11/2012	<0.005	
1/8/2013	<0.005	
7/16/2013	<0.005	
1/21/2014	<0.005	
6/24/2014	0.00089 (J)	
1/13/2015	0.0013 (J)	
7/23/2015	0.0027 (J)	
1/27/2016	0.0012 (J)	
2/2/2017	0.0031	
8/7/2017	0.0041	
1/26/2018	0.0044	
6/21/2018	0.0017 (J)	
1/28/2019	0.0019	
6/25/2019	0.0038	
9/11/2019	0.0027	
3/18/2020	0.0016	
9/15/2020	0.0021	
3/16/2021	0.0019	
8/24/2021	0.0018	
3/7/2022		0.0017

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-21	GWC-21
8/31/2011	<0.001	
10/27/2011	<0.001	
12/4/2011	<0.001	
2/8/2012	<0.001	
7/17/2012	<0.001	
1/9/2013	<0.001	
7/16/2013	<0.001	
1/21/2014	<0.001	
6/24/2014	<0.001	
1/13/2015	<0.001	
7/23/2015	<0.001	
1/26/2016	<0.001	
2/2/2017	0.0028	
8/7/2017	0.0014 (J)	
1/26/2018	<0.001	
6/20/2018	<0.001	
1/24/2019	<0.001	
6/25/2019	0.0021	
9/11/2019	<0.001	
3/18/2020	<0.001	
9/15/2020	<0.001	
3/16/2021	<0.001	
8/19/2021	<0.001	
3/7/2022		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-22
9/15/2011	0.005	
10/29/2011	<0.01	
12/13/2011	<0.01	
1/25/2012	<0.01	
7/18/2012	0.0074	
1/22/2013	0.0071	
7/16/2013	0.0075	
1/21/2014	0.0061	
6/25/2014	0.007	
1/14/2015	0.0063	
7/23/2015	0.0066	
1/26/2016	0.0058	
2/3/2017	0.0082	
8/8/2017	0.0058	
1/25/2018	0.0063	
6/20/2018	0.006	
1/24/2019	0.0065	
6/25/2019	0.0092	
9/10/2019	0.0082	
3/18/2020	0.0069	
9/10/2020	0.0061	
3/15/2021	0.0068	
8/19/2021	0.0063	
3/8/2022		0.009

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-23	GWC-23
9/16/2011	<0.001	
10/29/2011	<0.001	
12/13/2011	<0.001	
1/31/2012	<0.001	
7/18/2012	<0.001	
1/22/2013	<0.001	
7/23/2013	<0.001	
1/22/2014	<0.001	
7/1/2014	<0.001	
1/22/2015	<0.001	
7/29/2015	0.0011 (J)	
1/21/2016	<0.001	
2/3/2017	0.0016 (J)	
8/8/2017	<0.001	
1/25/2018	0.0014 (J)	
6/20/2018	<0.001	
1/25/2019	0.0012	
6/26/2019	0.0019	
9/12/2019	0.001	
3/18/2020	<0.001	
9/10/2020	<0.001	
3/18/2021	0.001	
8/23/2021	<0.001	
3/9/2022		0.00093 (J)

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-24	GWC-24
7/8/2014	<0.001	
7/31/2015	<0.001	
1/20/2016	<0.001	
2/3/2017	0.0015 (J)	
8/8/2017	<0.001	
1/25/2018	<0.001	
6/27/2018	<0.001	
1/31/2019	0.0015	
6/26/2019	0.0014	
9/11/2019	<0.001	
3/12/2020	<0.001	
9/15/2020	<0.001	
3/18/2021		<0.001
8/19/2021		<0.001
3/10/2022		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-25	GWC-25
9/17/2011	0.0074	
10/31/2011	<0.001	
12/14/2011	<0.001	
2/7/2012	<0.001	
7/17/2012	<0.001	
7/24/2013	<0.001	
1/23/2014	0.00082 (J)	
7/8/2014	<0.001	
1/21/2015	0.0013 (J)	
7/30/2015	0.0018 (J)	
1/21/2016	0.0017 (J)	
1/24/2017	0.0077	
8/3/2017	<0.001	
1/25/2018	<0.001	
6/27/2018	<0.001	
1/24/2019	0.0018	
6/25/2019	0.0019	
9/11/2019	0.0013	
3/12/2020	0.0011	
9/14/2020	<0.001	
3/17/2021	<0.001	
8/19/2021	<0.001	
3/8/2022		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-26	GWC-26
9/17/2011	<0.001	
10/29/2011	<0.001	
12/14/2011	<0.001	
2/7/2012	<0.001	
7/17/2012	<0.001	
1/24/2013	<0.001	
7/24/2013	<0.001	
1/23/2014	<0.001	
7/8/2014	<0.001	
1/21/2015	<0.001	
7/31/2015	<0.001	
1/25/2016	<0.001	
1/19/2017	<0.001	
8/3/2017	<0.001	
1/22/2018	<0.001	
6/27/2018	<0.001	
1/24/2019	0.0013	
6/25/2019	0.0024	
9/12/2019	0.0014	
3/13/2020	<0.001	
9/15/2020	<0.001	
3/17/2021	<0.001	
8/19/2021	<0.001	
3/9/2022		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-27	GWC-27
9/17/2011	<0.001	
10/29/2011	<0.001	
12/14/2011	<0.001	
1/25/2012	<0.001	
7/17/2012	<0.001	
1/24/2013	<0.001	
7/24/2013	<0.001	
1/23/2014	<0.001	
7/8/2014	<0.001	
1/21/2015	<0.001	
7/30/2015	<0.001	
1/22/2016	<0.001	
1/20/2017	<0.001	
8/3/2017	<0.001	
1/19/2018	<0.001	
6/27/2018	<0.001	
1/24/2019	<0.001	
6/26/2019	0.0011	
9/12/2019	<0.001	
3/12/2020	<0.001	
9/9/2020	<0.001	
3/18/2021	<0.001	
8/23/2021	<0.001	
3/8/2022		0.00085 (J)

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-30	GWC-30
9/15/2011	<0.0025	
10/28/2011	<0.0025	
12/13/2011	<0.0025	
2/8/2012	<0.0025	
7/18/2012	<0.0025	
1/24/2013	<0.0025	
7/24/2013	<0.0025	
1/23/2014	<0.0025	
7/1/2014	<0.0025	
1/20/2015	<0.0025	
7/30/2015	<0.0025	
1/19/2016	0.001 (J)	
1/24/2017	0.0059	
8/4/2017	0.0018 (J)	
1/24/2018	<0.0025	
6/21/2018	0.0031	
1/30/2019	0.0021	
6/27/2019	0.0029	
9/10/2019	0.0018	
3/11/2020	0.00099 (J)	
9/10/2020	0.0012	
3/18/2021	0.0014	
8/23/2021	0.0015	
3/2/2022		0.0013

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-31	GWC-31
9/17/2011	<0.001	
10/31/2011	<0.001	
2/7/2012	<0.001	
1/23/2013	<0.001	
1/23/2014	0.00068 (J)	
7/1/2014	<0.001	
1/21/2015	<0.001	
1/25/2016	<0.001	
1/25/2017	0.0043	
8/4/2017	<0.001	
1/23/2018	0.0023 (J)	
6/27/2018	<0.001	
1/31/2019	0.0014	
6/26/2019	0.0015	
9/11/2019	0.0025	
3/17/2020	<0.001	
9/11/2020	<0.001	
3/16/2021	<0.001	
8/25/2021	0.001	
3/10/2022		0.0012

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-32	GWC-32
9/15/2011	<0.001	
10/31/2011	<0.001	
12/13/2011	<0.001	
2/1/2012	<0.001	
7/17/2012	<0.001	
1/23/2013	<0.001	
7/24/2013	<0.001	
1/23/2014	<0.001	
7/1/2014	<0.001	
1/20/2015	<0.001	
7/30/2015	<0.001	
1/25/2016	<0.001	
1/26/2017	0.0016 (J)	
8/3/2017	<0.001	
1/23/2018	0.003	
6/26/2018	<0.001	
1/30/2019	0.0012	
6/27/2019	0.0021	
9/12/2019	0.0012	
3/18/2020	<0.001	
9/15/2020	<0.001	
3/17/2021	0.0011	
8/24/2021	0.0011	
3/9/2022		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-33
9/16/2011	<0.001	
10/30/2011	<0.001	
12/12/2011	<0.001	
2/1/2012	<0.001	
7/17/2012	<0.001	
1/23/2013	<0.001	
7/17/2013	<0.001	
1/23/2014	<0.001	
1/20/2015	<0.001	
7/29/2015	<0.001	
1/25/2016	<0.001	
1/25/2017	0.0052	
8/4/2017	<0.001	
1/23/2018	0.003	
6/26/2018	<0.001	
1/30/2019	0.0014	
6/26/2019	0.0017	
9/12/2019	0.0014	
3/12/2020	<0.001	
9/16/2020	<0.001	
3/18/2021	<0.001	
8/24/2021	<0.001	
3/9/2022		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-34	GWC-34
9/16/2011	<0.001	
10/31/2011	<0.001	
12/12/2011	<0.001	
2/1/2012	<0.001	
7/16/2012	<0.001	
1/22/2013	<0.001	
7/17/2013	<0.001	
1/23/2014	<0.001	
6/25/2014	<0.001	
1/14/2015	<0.001	
7/29/2015	<0.001	
1/21/2016	<0.001	
1/25/2017	0.0055	
8/3/2017	<0.001	
1/23/2018	<0.001	
6/20/2018	<0.001	
1/28/2019	<0.001	
6/26/2019	0.002	
9/11/2019	<0.001	
3/11/2020	<0.001	
9/11/2020	<0.001	
3/16/2021	<0.001	
8/24/2021	<0.001	
3/2/2022		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-35	GWC-35
9/16/2011	<0.001	
10/31/2011	<0.001	
12/12/2011	<0.001	
2/1/2012	<0.001	
7/16/2012	<0.001	
1/22/2013	<0.001	
7/2/2013	<0.001	
1/21/2014	<0.001	
6/25/2014	<0.001	
1/14/2015	<0.001	
7/28/2015	<0.001	
1/21/2016	<0.001	
1/26/2017	0.0026	
8/3/2017	<0.001	
1/23/2018	0.0022 (J)	
6/19/2018	0.0019 (J)	
1/21/2019	0.0011	
6/26/2019	0.0015	
9/12/2019	<0.001	
3/11/2020	<0.001	
9/11/2020	<0.001	
3/16/2021	<0.001	
8/18/2021	<0.001	
3/2/2022		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-5	GWC-5
8/31/2011	<0.005	
10/27/2011	<0.005	
12/5/2011	<0.005	
1/25/2012	<0.005	
7/18/2012	<0.005	
1/9/2013	<0.005	
7/17/2013	<0.005	
1/15/2014	0.0042 (J)	
6/25/2014	0.0022 (J)	
1/13/2015	0.004 (J)	
7/24/2015	0.0021 (J)	
1/20/2016	0.0035 (J)	
1/26/2017	0.0064	
8/3/2017	0.0031	
1/23/2018	0.0062	
6/25/2018	0.0021 (J)	
1/30/2019	0.0031	
6/26/2019	0.0033	
9/12/2019	0.0031	
3/16/2020	0.0028	
9/9/2020	0.0025	
3/17/2021	0.0025	
8/19/2021	0.0026	
3/2/2022		0.003

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-6	GWC-6
8/31/2011	<0.001	
10/30/2011	<0.001	
12/5/2011	<0.001	
1/25/2012	<0.001	
7/24/2012	<0.001	
1/8/2013	<0.001	
7/9/2013	<0.001	
1/15/2014	0.002 (J)	
6/25/2014	<0.001	
1/20/2015	<0.001	
7/24/2015	<0.001	
1/20/2016	<0.001	
1/26/2017	0.0064	
8/3/2017	<0.001	
1/23/2018	0.0038	
6/25/2018	<0.001	
1/30/2019	0.0015	
6/26/2019	0.0016	
9/12/2019	<0.001	
3/16/2020	<0.001	
9/11/2020	<0.001	
3/17/2021	<0.001	
8/18/2021	<0.001	
3/2/2022		<0.001

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-7	GWC-7
9/7/2011	<0.0025	
10/30/2011	<0.0025	
12/5/2011	<0.0025	
1/25/2012	<0.0025	
7/18/2012	<0.0025	
1/7/2013	<0.0025	
7/9/2013	<0.0025	
1/14/2014	<0.0025	
6/24/2014	0.00087 (J)	
1/20/2015	0.00094 (J)	
7/27/2015	<0.0025	
1/26/2016	0.0011 (J)	
1/26/2017	0.0057	
8/4/2017	<0.0025	
1/23/2018	0.0042	
6/25/2018	0.0035	
1/21/2019	0.003	
6/25/2019	0.0035	
9/10/2019	0.0024	
3/12/2020	0.0019	
9/14/2020	0.0017	
3/16/2021	0.0025	
8/19/2021	0.002	
3/2/2022		0.0031

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-8	GWC-8
9/7/2011	<0.001	
10/30/2011	<0.001	
12/5/2011	<0.001	
1/19/2012	<0.001	
7/18/2012	<0.001	
1/7/2013	<0.001	
7/9/2013	<0.001	
1/14/2014	<0.001	
6/24/2014	0.0014 (J)	
1/20/2015	0.0013 (J)	
7/27/2015	<0.001	
1/26/2016	<0.001	
1/26/2017	0.0038	
8/7/2017	<0.001	
1/24/2018	<0.001	
6/21/2018	0.0015 (J)	
1/22/2019	0.0015	
6/25/2019	0.0026	
9/10/2019	0.0014	
3/12/2020	<0.001	
9/14/2020	<0.001	
3/16/2021	0.0014	
8/20/2021	0.0012	
3/2/2022		0.0013

Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-9	GWC-9
9/7/2011	<0.001	
10/30/2011	<0.001	
12/4/2011	<0.001	
1/19/2012	<0.001	
7/18/2012	<0.001	
1/8/2013	<0.001	
7/9/2013	<0.001	
1/14/2014	0.0022 (J)	
6/24/2014	0.0022 (J)	
1/20/2015	0.0025 (J)	
7/27/2015	0.0024 (J)	
1/26/2016	<0.001	
1/31/2017	<0.001	
8/7/2017	<0.001	
1/24/2018	<0.001	
6/21/2018	<0.001	
1/22/2019	0.0014	
6/25/2019	0.002	
9/16/2019	0.0014	
3/16/2020	<0.001	
9/11/2020	<0.001	
3/16/2021	0.0011	
8/25/2021	<0.001	
3/9/2022		<0.001

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1	GWA-1
9/16/2011	0.0071	
10/27/2011	0.0062	
12/13/2011	0.0065	
1/31/2012	0.0047	
7/18/2012	0.0044	
1/24/2013	0.0058	
7/17/2013	0.0028	
1/21/2014	0.0037	
6/25/2014	0.0026	
1/14/2015	0.003	
7/21/2015	0.0033	
1/21/2016	0.0043	
1/19/2017	0.0077 (J)	
8/3/2017	<0.005	
1/19/2018	<0.005	
6/19/2018	0.0068 (J)	
1/17/2019	0.0037 (J)	
6/24/2019	0.0048 (J)	
9/9/2019	0.0064	
3/10/2020	0.0036 (J)	
9/9/2020	0.078 (o)	
3/15/2021	<0.005	
8/16/2021	<0.005	
2/28/2022		0.0032 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-2	GWA-2
9/17/2011	0.0061	
10/27/2011	0.0059	
12/14/2011	0.0077	
2/7/2012	0.0053	
7/23/2012	0.0043	
1/23/2013	0.0054	
7/24/2013	0.004	
1/22/2014	0.0056	
7/1/2014	0.004	
1/22/2015	0.0051	
7/22/2015	0.0033	
1/20/2016	0.0029	
1/19/2017	<0.005	
8/2/2017	<0.005	
1/19/2018	<0.005	
6/19/2018	<0.005	
1/17/2019	0.0024 (J)	
6/24/2019	0.0046 (J)	
9/10/2019	0.0064	
3/10/2020	<0.005	
9/10/2020	<0.005	
3/15/2021	<0.005	
8/18/2021	0.0046 (J)	
3/1/2022		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28	GWA-28
9/16/2011	0.003	
10/28/2011	0.0073	
12/12/2011	0.0053	
1/25/2012	0.0046	
7/16/2012	0.0034	
1/24/2013	0.0049	
7/23/2013	0.0026	
1/22/2014	0.0052	
7/1/2014	0.0042	
1/21/2015	0.0038	
7/21/2015	0.0042	
1/22/2016	0.0041	
1/17/2017	<0.02	
8/1/2017	<0.02	
1/19/2018	<0.02	
6/19/2018	<0.02	
1/21/2019	0.0065	
6/25/2019	0.011	
9/10/2019	0.01	
3/10/2020	0.017	
9/9/2020	0.063	
3/15/2021	0.0057	
8/16/2021	0.0061	
3/1/2022		0.0057

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29	GWA-29
9/17/2011	0.026	
10/28/2011	0.019	
12/12/2011	0.02	
1/31/2012	0.036	
7/17/2012	0.015	
1/24/2013	0.048	
7/24/2013	0.048	
1/22/2014	0.044	
7/8/2014	0.04 (D)	
1/21/2015	0.037	
7/22/2015	0.031	
1/19/2016	0.035 (D)	
1/17/2017	0.024	
8/1/2017	0.028	
1/19/2018	0.024	
6/19/2018	0.028	
1/18/2019	0.022	
6/25/2019	0.041	
9/10/2019	0.031	
3/10/2020	0.034	
9/9/2020	0.025	
3/15/2021	0.024	
8/18/2021	0.024	
3/2/2022		0.024

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-3	GWA-3
8/31/2011	0.0037	
6/25/2014	0.015	
7/21/2015	0.042	
8/1/2017	<0.02	
6/20/2018	<0.02	
1/18/2019	0.0088	
6/25/2019	0.014	
9/11/2019	0.02	
3/10/2020	0.015	
9/9/2020	0.013	
3/15/2021		0.015
8/18/2021		0.038
3/1/2022		0.012

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-4	GWA-4
8/31/2011	<0.005	
10/27/2011	<0.005	
12/14/2011	<0.005	
2/1/2012	<0.005	
7/23/2012	0.0037	
1/23/2013	<0.005	
7/17/2013	<0.005	
1/15/2014	0.00085 (J)	
6/25/2014	0.0014 (J)	
1/14/2015	0.0082	
7/21/2015	0.0015 (J)	
1/20/2016	0.0093	
1/17/2017	0.014 (J)	
8/2/2017	<0.005	
1/22/2018	<0.005	
6/19/2018	<0.005	
1/17/2019	<0.005	
6/24/2019	0.0036 (J)	
9/10/2019	0.006	
3/10/2020	0.052 (o)	
9/9/2020	<0.005	
3/15/2021	0.044 (o)	
8/18/2021	0.0034 (J)	
3/1/2022		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-10	GWC-10
1/25/2016	0.0027	
2/1/2017	<0.005	
8/8/2017	<0.005	
1/25/2018	<0.005	
6/21/2018	<0.005	
1/31/2019	0.0039 (J)	
6/26/2019	0.0044 (J)	
9/17/2019	0.013	
3/17/2020	0.0044 (J)	
9/10/2020	0.13 (o)	
12/2/2020	0.011	
3/18/2021		0.004 (J)
8/20/2021		<0.005
3/8/2022		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-11	GWC-11
9/13/2011	<0.005	
10/28/2011	<0.005	
12/4/2011	0.0025	
2/9/2012	<0.005	
7/18/2012	0.008	
1/8/2013	<0.005	
7/9/2013	<0.005	
1/15/2014	0.00052 (J)	
6/25/2014	0.00089 (J)	
1/21/2015	<0.005	
7/28/2015	0.0021 (J)	
1/26/2016	<0.005	
1/31/2017	<0.005	
8/7/2017	<0.005	
1/24/2018	<0.005	
6/20/2018	<0.005	
1/24/2019	<0.005	
6/26/2019	<0.005	
9/16/2019	0.005	
3/16/2020	<0.005	
9/10/2020	0.017	
3/17/2021	<0.005	
8/23/2021	<0.005	
3/7/2022		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-12	GWC-12
9/13/2011	<0.005	
10/28/2011	<0.005	
12/4/2011	0.0027	
1/24/2012	<0.005	
7/11/2012	<0.005	
1/8/2013	<0.005	
7/10/2013	<0.005	
1/21/2014	0.0019 (J)	
7/1/2014	0.0087	
1/21/2015	<0.005	
7/28/2015	<0.005	
1/26/2016	<0.005	
1/31/2017	<0.005	
8/7/2017	<0.005	
1/24/2018	<0.005	
6/26/2018	<0.005	
1/25/2019	<0.005	
6/26/2019	<0.005	
9/11/2019	0.0056	
3/18/2020	<0.005	
9/10/2020	<0.005	
3/16/2021	<0.005	
8/19/2021	<0.005	
3/7/2022		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-13
9/13/2011	<0.005	
10/28/2011	<0.005	
12/4/2011	0.0028	
1/24/2012	<0.005	
7/11/2012	<0.005	
1/8/2013	<0.005	
7/10/2013	<0.005	
1/21/2014	0.0026	
7/1/2014	0.0014 (J)	
1/21/2015	0.0018 (J)	
7/28/2015	<0.005	
1/27/2016	<0.005	
1/31/2017	<0.005	
8/4/2017	<0.005	
1/25/2018	<0.005	
6/20/2018	<0.005	
1/22/2019	<0.005	
6/25/2019	<0.005	
9/12/2019	0.0085	
3/12/2020	<0.005	
9/10/2020	0.0036 (J)	
3/17/2021	0.0039 (J)	
8/23/2021	<0.005	
3/8/2022		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-14	GWC-14
9/13/2011	0.0039	
10/27/2011	0.0046	
12/3/2011	0.0028	
1/24/2012	0.0033	
7/11/2012	<0.0025	
1/8/2013	<0.0025	
7/10/2013	<0.0025	
1/21/2014	0.0036	
7/1/2014	0.0018 (J)	
1/14/2015	0.0035	
7/22/2015	0.005	
1/27/2016	0.0094	
2/1/2017	0.0084 (J)	
8/7/2017	0.012 (J)	
1/25/2018	0.0095 (J)	
6/20/2018	0.012 (J)	
1/22/2019	0.0094	
6/25/2019	0.014	
9/12/2019	0.019	
3/17/2020	0.014	
9/10/2020	0.014	
3/17/2021	0.014	
8/23/2021	0.017	
3/7/2022		0.014

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-15	GWC-15
9/16/2011	<0.005	
10/27/2011	<0.005	
12/3/2011	<0.005	
2/9/2012	<0.005	
7/11/2012	<0.005	
1/8/2013	<0.005	
7/2/2013	<0.005	
1/21/2014	0.0017 (J)	
6/24/2014	<0.005	
1/14/2015	0.0013 (J)	
7/22/2015	<0.005	
1/27/2016	<0.005	
2/1/2017	<0.005	
8/4/2017	<0.005	
1/25/2018	<0.005	
6/20/2018	<0.005	
1/22/2019	<0.005	
6/25/2019	<0.005	
9/17/2019	0.0041 (J)	
3/16/2020	<0.005	
9/10/2020	<0.005	
3/18/2021	<0.005	
8/24/2021	<0.005	
3/7/2022		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-16	GWC-16
8/30/2011	0.0081	
10/26/2011	0.0035	
12/3/2011	0.0033	
1/25/2012	<0.005	
7/11/2012	<0.005	
1/8/2013	<0.005	
7/2/2013	<0.005	
1/14/2014	0.00074 (J)	
6/25/2014	0.00071 (J)	
1/13/2015	0.0015 (J)	
7/22/2015	<0.005	
1/27/2016	<0.005	
2/1/2017	<0.005	
8/7/2017	<0.005	
1/25/2018	<0.005	
6/20/2018	<0.005	
1/25/2019	<0.005	
6/25/2019	<0.005	
9/11/2019	0.0062	
3/17/2020	<0.005	
9/11/2020	0.0033 (J)	
3/17/2021	<0.005	
8/20/2021	<0.005	
3/8/2022		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-17	GWC-17
8/30/2011	0.0035	
10/26/2011	0.0032	
12/3/2011	0.0027	
1/25/2012	<0.005	
7/11/2012	<0.005	
1/8/2013	<0.005	
7/16/2013	<0.005	
1/14/2014	0.0021 (J)	
6/25/2014	0.0012 (J)	
1/14/2015	0.0015 (J)	
7/28/2015	<0.005	
1/27/2016	<0.005	
2/1/2017	<0.005	
8/7/2017	<0.005	
1/25/2018	<0.005	
6/26/2018	<0.005	
1/24/2019	<0.005	
6/25/2019	<0.005	
9/11/2019	0.012	
3/17/2020	<0.005	
9/14/2020	0.0048 (J)	
3/16/2021	<0.005	
8/20/2021	<0.005	
3/8/2022		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-18	GWC-18
8/30/2011	<0.005	
10/26/2011	0.0025	
12/3/2011	0.0027	
2/9/2012	<0.005	
7/11/2012	<0.005	
1/8/2013	<0.005	
7/16/2013	<0.005	
1/14/2014	0.0005 (J)	
6/24/2014	0.00099 (J)	
1/13/2015	0.00063 (J)	
7/23/2015	<0.005	
1/27/2016	<0.005	
2/1/2017	<0.005	
8/7/2017	<0.005	
1/25/2018	<0.005	
6/21/2018	<0.005	
1/28/2019	0.0033 (J)	
6/27/2019	<0.005	
9/11/2019	0.0038 (J)	
3/17/2020	<0.005	
9/14/2020	0.0053	
3/16/2021	<0.005	
8/24/2021	<0.005	
3/8/2022		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-19	GWC-19
8/30/2011	0.0035	
10/26/2011	0.0054	
12/3/2011	0.0046	
2/8/2012	<0.02	
7/11/2012	<0.02	
1/8/2013	<0.02	
7/16/2013	<0.02	
1/21/2014	0.0025	
6/24/2014	0.0014 (J)	
1/13/2015	0.0019 (J)	
7/23/2015	0.0025	
1/27/2016	<0.02	
2/2/2017	<0.02	
8/7/2017	<0.02	
1/25/2018	<0.02	
6/21/2018	<0.02	
1/28/2019	0.0049 (J)	
6/26/2019	0.0038 (J)	
9/12/2019	0.0086	
3/18/2020	0.0078	
9/15/2020	0.0037 (J)	
3/17/2021	0.0056	
8/24/2021	0.0034 (J)	
3/8/2022		0.0056

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-20	GWC-20
8/31/2011	<0.005	
10/27/2011	0.0038	
12/4/2011	0.0028	
2/8/2012	<0.005	
7/11/2012	<0.005	
1/8/2013	<0.005	
7/16/2013	<0.005	
1/21/2014	0.0018 (J)	
6/24/2014	0.0006 (J)	
1/13/2015	0.00086 (J)	
7/23/2015	<0.005	
1/27/2016	<0.005	
2/2/2017	<0.005	
8/7/2017	0.013 (J)	
1/26/2018	<0.005	
6/21/2018	<0.005	
1/28/2019	0.014	
6/25/2019	<0.005	
9/11/2019	0.0061	
3/18/2020	<0.005	
9/15/2020	<0.005	
3/16/2021	<0.005	
8/24/2021	<0.005	
3/7/2022		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-21	GWC-21
8/31/2011	0.01	
10/27/2011	0.0087	
12/4/2011	0.0093	
2/8/2012	0.0086	
7/17/2012	0.009	
1/9/2013	0.006	
7/16/2013	0.0052	
1/21/2014	0.0066	
6/24/2014	0.0059	
1/13/2015	0.005	
7/23/2015	0.0042	
1/26/2016	0.0043	
2/2/2017	<0.005	
8/7/2017	<0.005	
1/26/2018	<0.005	
6/20/2018	<0.005	
1/24/2019	0.0034 (J)	
6/25/2019	0.0039 (J)	
9/11/2019	0.0068	
3/18/2020	0.0052	
9/15/2020	0.0052	
3/16/2021	0.0033 (J)	
8/19/2021	<0.005	
3/7/2022		0.0029 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-22
9/15/2011	0.0058	
10/29/2011	0.0031	
12/13/2011	0.0068	
1/25/2012	<0.005	
7/18/2012	0.0056	
1/22/2013	<0.005	
7/16/2013	<0.005	
1/21/2014	<0.005	
6/25/2014	0.00094 (J)	
1/14/2015	0.00073 (J)	
7/23/2015	<0.005	
1/26/2016	<0.005	
2/3/2017	<0.005	
8/8/2017	<0.005	
1/25/2018	<0.005	
6/20/2018	<0.005	
1/24/2019	<0.005	
6/25/2019	<0.005	
9/10/2019	0.0061	
3/18/2020	<0.005	
9/10/2020	<0.005	
3/15/2021	<0.005	
8/19/2021	<0.005	
3/8/2022		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-23	GWC-23
9/16/2011	0.0058	
10/29/2011	0.0032	
12/13/2011	0.0074	
1/31/2012	0.0031	
7/18/2012	0.0054	
1/22/2013	0.0061	
7/23/2013	0.0038	
1/22/2014	0.0035	
7/1/2014	0.0031	
1/22/2015	0.0049	
7/29/2015	0.0024 (J)	
1/21/2016	<0.005	
2/3/2017	<0.005	
8/8/2017	<0.005	
1/25/2018	<0.005	
6/20/2018	<0.005	
1/25/2019	<0.005	
6/26/2019	<0.005	
9/12/2019	0.0042 (J)	
3/18/2020	<0.005	
9/10/2020	0.004 (J)	
3/18/2021	<0.005	
8/23/2021	0.032 (o)	
3/9/2022		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-24	GWC-24
7/8/2014	0.0043	
7/31/2015	0.0052	
1/20/2016	0.0086	
2/3/2017	0.0094 (J)	
8/8/2017	0.0098 (J)	
1/25/2018	<0.02	
6/27/2018	<0.02	
1/31/2019	0.006	
6/26/2019	0.0062	
9/11/2019	0.0081	
3/12/2020	0.008	
9/15/2020	0.0073	
3/18/2021		0.0064
8/19/2021		0.014
3/10/2022		0.0037 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-25	GWC-25
9/17/2011	0.0028	
10/31/2011	0.003	
12/14/2011	0.0029	
2/7/2012	0.0092	
7/17/2012	0.01	
7/24/2013	0.033	
1/23/2014	0.015	
7/8/2014	0.011	
1/21/2015	0.0057	
7/30/2015	0.0072	
1/21/2016	0.017	
1/24/2017	0.0085 (J)	
8/3/2017	<0.005	
1/25/2018	0.009 (J)	
6/27/2018	0.0086 (J)	
1/24/2019	0.013	
6/25/2019	0.01	
9/11/2019	0.037	
3/12/2020	0.0089	
9/14/2020	0.024	
3/17/2021	0.0088	
8/19/2021	0.0076	
3/8/2022		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-26	GWC-26
9/17/2011	0.0061	
10/29/2011	0.0038	
12/14/2011	0.0033	
2/7/2012	0.0036	
7/17/2012	0.0028	
1/24/2013	<0.005	
7/24/2013	<0.005	
1/23/2014	0.019	
7/8/2014	0.0048	
1/21/2015	0.0022 (J)	
7/31/2015	<0.005	
1/25/2016	0.0035	
1/19/2017	0.015 (J)	
8/3/2017	<0.005	
1/22/2018	<0.005	
6/27/2018	<0.005	
1/24/2019	<0.005	
6/25/2019	0.0045 (J)	
9/12/2019	0.0059	
3/13/2020	0.0087	
9/15/2020	0.0042 (J)	
3/17/2021	<0.005	
8/19/2021	0.0049 (J)	
3/9/2022		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-27	GWC-27
9/17/2011	0.0044	
10/29/2011	0.0049	
12/14/2011	0.0057	
1/25/2012	0.0051	
7/17/2012	0.015	
1/24/2013	0.0041	
7/24/2013	0.0036	
1/23/2014	0.02	
7/8/2014	0.0032	
1/21/2015	0.0039	
7/30/2015	0.0033	
1/22/2016	0.012	
1/20/2017	<0.005	
8/3/2017	<0.005	
1/19/2018	<0.005	
6/27/2018	<0.005	
1/24/2019	0.0041 (J)	
6/26/2019	<0.005	
9/12/2019	0.0079	
3/12/2020	0.0051	
9/9/2020	0.0079	
3/18/2021	<0.005	
8/23/2021	<0.005	
3/8/2022		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-30	GWC-30
9/15/2011	<0.005	
10/28/2011	0.0062	
12/13/2011	0.003	
2/8/2012	0.009	
7/18/2012	<0.005	
1/24/2013	0.0066	
7/24/2013	<0.005	
1/23/2014	0.0028	
7/1/2014	0.0014 (J)	
1/20/2015	<0.005	
7/30/2015	<0.005	
1/19/2016	<0.005	
1/24/2017	<0.005	
8/4/2017	<0.005	
1/24/2018	<0.005	
6/21/2018	<0.005	
1/30/2019	<0.005	
6/27/2019	<0.005	
9/10/2019	0.019	
3/11/2020	0.022	
9/10/2020	<0.005	
3/18/2021	0.078 (o)	
8/23/2021	<0.005	
3/2/2022		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-31	GWC-31
9/17/2011	0.02	
10/31/2011	0.028	
2/7/2012	0.0091	
1/23/2013	0.014	
1/23/2014	0.012	
7/1/2014	0.015	
1/21/2015	0.0081	
1/25/2016	0.0067	
1/25/2017	<0.02	
8/4/2017	0.033	
1/23/2018	0.026	
6/27/2018	0.012 (J)	
1/31/2019	0.008	
6/26/2019	0.011	
9/11/2019	0.081	
3/17/2020	0.044	
9/11/2020	0.0094	
3/16/2021	0.014	
8/25/2021	0.0074	
3/10/2022		0.0066

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-32	GWC-32
9/15/2011	0.11	
10/31/2011	0.099	
12/13/2011	0.11	
2/1/2012	0.1	
7/17/2012	0.084	
1/23/2013	0.06	
7/24/2013	0.073	
1/23/2014	0.038	
7/1/2014	0.054	
1/20/2015	0.033	
7/30/2015	0.029	
1/25/2016	0.037	
1/26/2017	0.07	
8/3/2017	0.059	
1/23/2018	0.065	
6/26/2018	0.047	
1/30/2019	0.053	
6/27/2019	0.082	
9/12/2019	0.098	
3/18/2020	0.13	
9/15/2020	0.07	
3/17/2021	0.081	
8/24/2021	0.022	
3/9/2022		0.024

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-33
9/16/2011	0.0033	
10/30/2011	0.0071	
12/13/2011	0.0062	
2/1/2012	0.0033	
7/17/2012	0.0083	
1/23/2013	0.0038	
7/17/2013	0.0059	
1/23/2014	0.008	
1/20/2015	0.0058	
7/29/2015	0.0049	
1/25/2016	0.0046	
1/25/2017	<0.005	
8/4/2017	<0.005	
1/23/2018	<0.005	
6/26/2018	<0.005	
1/30/2019	0.0096	
6/26/2019	0.0056	
9/12/2019	0.01	
3/12/2020	0.0061	
9/16/2020	0.012	
3/18/2021	<0.005	
8/24/2021	<0.005	
3/9/2022		0.12

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-34	GWC-34
9/16/2011	0.0029	
10/31/2011	<0.005	
12/12/2011	0.0027	
2/1/2012	<0.005	
7/16/2012	<0.005	
1/22/2013	<0.005	
7/17/2013	<0.005	
1/23/2014	0.0034	
6/25/2014	0.00083 (J)	
1/14/2015	0.0014 (J)	
7/29/2015	<0.005	
1/21/2016	<0.005	
1/25/2017	<0.005	
8/3/2017	<0.005	
1/23/2018	<0.005	
6/20/2018	<0.005	
1/28/2019	0.0031 (J)	
6/26/2019	<0.005	
9/11/2019	0.0068	
3/11/2020	0.0032 (J)	
9/11/2020	<0.005	
3/16/2021	<0.005	
8/24/2021	<0.005	
3/2/2022		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-35	GWC-35
9/16/2011	0.006	
10/31/2011	0.0055	
12/12/2011	0.006	
2/1/2012	0.0046	
7/16/2012	0.0038	
1/22/2013	0.0028	
7/2/2013	0.0025	
1/21/2014	0.0036	
6/25/2014	0.0021 (J)	
1/14/2015	0.0022 (J)	
7/28/2015	0.0016 (J)	
1/21/2016	0.0016 (J)	
1/26/2017	<0.005	
8/3/2017	<0.005	
1/23/2018	<0.005	
6/19/2018	<0.005	
1/21/2019	<0.005	
6/26/2019	<0.005	
9/12/2019	0.0045 (J)	
3/11/2020	0.0034 (J)	
9/11/2020	<0.005	
3/16/2021	<0.005	
8/18/2021	<0.005	
3/2/2022		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-5	GWC-5
8/31/2011	<0.005	
10/27/2011	0.0025	
12/5/2011	<0.005	
1/25/2012	<0.005	
7/18/2012	<0.005	
1/9/2013	<0.005	
7/17/2013	0.0043	
1/15/2014	0.0023 (J)	
6/25/2014	0.0022 (J)	
1/13/2015	0.0027	
7/24/2015	0.002 (J)	
1/20/2016	0.0022 (J)	
1/26/2017	<0.005	
8/3/2017	<0.005	
1/23/2018	<0.005	
6/25/2018	<0.005	
1/30/2019	<0.005	
6/26/2019	<0.005	
9/12/2019	0.0067	
3/16/2020	0.0033 (J)	
9/9/2020	<0.005	
3/17/2021	<0.005	
8/19/2021	<0.005	
3/2/2022		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-6	GWC-6
8/31/2011	0.0037	
10/30/2011	0.0043	
12/5/2011	0.0047	
1/25/2012	<0.005	
7/24/2012	<0.005	
1/8/2013	<0.005	
7/9/2013	<0.005	
1/15/2014	0.0034	
6/25/2014	0.002 (J)	
1/20/2015	<0.005	
7/24/2015	0.0017 (J)	
1/20/2016	0.0018 (J)	
1/26/2017	<0.005	
8/3/2017	<0.005	
1/23/2018	<0.005	
6/25/2018	<0.005	
1/30/2019	<0.005	
6/26/2019	0.0033 (J)	
9/12/2019	0.049 (o)	
3/16/2020	0.0032 (J)	
9/11/2020	0.0071	
3/17/2021	<0.005	
8/18/2021	0.0034 (J)	
3/2/2022		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-7	GWC-7
9/7/2011	<0.005	
10/30/2011	<0.005	
12/5/2011	<0.005	
1/25/2012	<0.005	
7/18/2012	0.0035	
1/7/2013	0.0033	
7/9/2013	0.0035	
1/14/2014	0.0022 (J)	
6/24/2014	0.01	
1/20/2015	0.0018 (J)	
7/27/2015	<0.005	
1/26/2016	0.0016 (J)	
1/26/2017	<0.005	
8/4/2017	<0.005	
1/23/2018	<0.005	
6/25/2018	<0.005	
1/21/2019	<0.005	
6/25/2019	<0.005	
9/10/2019	0.0063	
3/12/2020	0.038 (o)	
9/14/2020	0.0041 (J)	
3/16/2021	<0.005	
8/19/2021	<0.005	
3/2/2022		<0.005

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-8	GWC-8
9/7/2011	0.0029	
10/30/2011	<0.005	
12/5/2011	0.004	
1/19/2012	0.0029	
7/18/2012	0.006	
1/7/2013	<0.005	
7/9/2013	<0.005	
1/14/2014	0.002 (J)	
6/24/2014	0.0011 (J)	
1/20/2015	0.0018 (J)	
7/27/2015	0.0015 (J)	
1/26/2016	<0.005	
1/26/2017	<0.005	
8/7/2017	0.0086 (J)	
1/24/2018	<0.005	
6/21/2018	<0.005	
1/22/2019	<0.005	
6/25/2019	0.0043 (J)	
9/10/2019	0.0051	
3/12/2020	0.044 (o)	
9/14/2020	0.0079	
3/16/2021	0.0045 (J)	
8/20/2021	0.0046 (J)	
3/2/2022		0.0037 (J)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/14/2022 1:11 PM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-9	GWC-9
9/7/2011	0.016 (O)	
10/30/2011	0.004	
12/4/2011	0.0086	
1/19/2012	0.0081	
7/18/2012	0.0058	
1/8/2013	0.0034	
7/9/2013	<0.005	
1/14/2014	0.003	
6/24/2014	0.0016 (J)	
1/20/2015	0.0021 (J)	
7/27/2015	<0.005	
1/26/2016	<0.005	
1/31/2017	<0.005	
8/7/2017	<0.005	
1/24/2018	<0.005	
6/21/2018	<0.005	
1/22/2019	<0.005	
6/25/2019	0.005	
9/16/2019	0.0049 (J)	
3/16/2020	0.0094	
9/11/2020	0.0055	
3/16/2021	0.0048 (J)	
8/25/2021	<0.005	
3/9/2022		0.003 (J)

FIGURE H.

Interwell Prediction Limits Appendix I (Two-Step) - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 2:32 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	**GWC-14**	**0.00021**	**n/a**	**3/7/2022**	**0.00023**	**Yes**	**139**	**n/a**	**n/a**	**94.24**	**n/a**	**n/a**	**0.0001003**	**NP Inter (NDs) 1 of 2**
Zinc (mg/L)	**GWC-33**	**0.063**	**n/a**	**3/9/2022**	**0.12**	**Yes**	**107**	**n/a**	**n/a**	**24.3**	**n/a**	**n/a**	**0.0001695**	**NP Inter (normality) 1 of 2**

Interwell Prediction Limits Appendix I (Two-Step) - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 2:32 PM

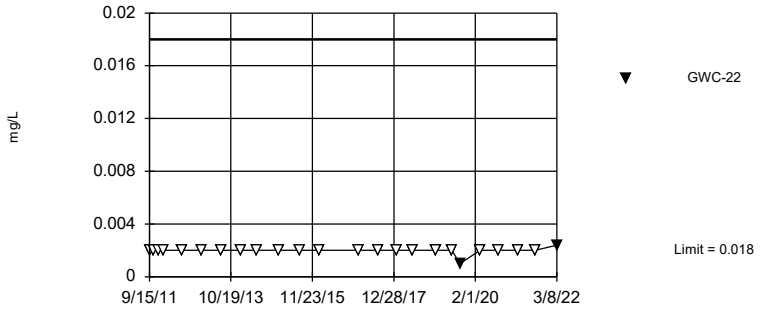
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Copper (mg/L)	GWC-22	0.018	n/a	3/8/2022	0.0024	No	109	n/a	n/a	66.06	n/a	n/a	0.0001639	NP Inter (NDs) 1 of 2
Mercury (mg/L)	**GWC-14**	**0.00021**	**n/a**	**3/7/2022**	**0.00023**	**Yes**	**139**	**n/a**	**n/a**	**94.24**	**n/a**	**n/a**	**0.0001003**	**NP Inter (NDs) 1 of 2**
Zinc (mg/L)	**GWC-33**	**0.063**	**n/a**	**3/9/2022**	**0.12**	**Yes**	**107**	**n/a**	**n/a**	**24.3**	**n/a**	**n/a**	**0.0001695**	**NP Inter (normality) 1 of 2**

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 109 background values. 66.06% NDs. Annual per-constituent alpha = 0.009462. Individual comparison alpha = 0.0001639 (1 of 2). Assumes 28 future values.

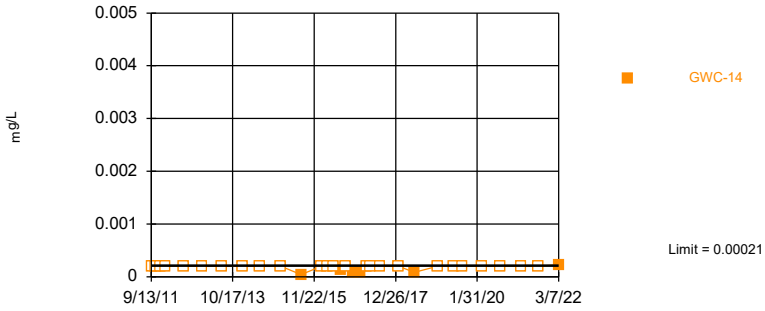
Constituent: Copper Analysis Run 5/11/2022 2:31 PM View: PLs Interwell for App I Intra Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: GWC-14

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 139 background values. 94.24% NDs. Annual per-constituent alpha = 0.005799. Individual comparison alpha = 0.0001003 (1 of 2). Assumes 28 future values.

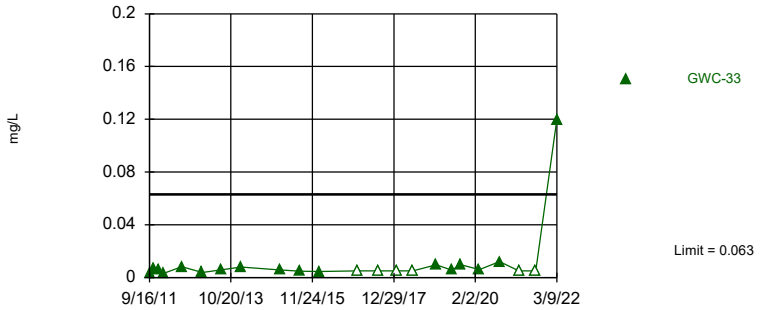
Constituent: Mercury Analysis Run 5/11/2022 2:31 PM View: PLs Interwell for App I Intra Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: GWC-33

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 107 background values. 24.3% NDs. Annual per-constituent alpha = 0.009785. Individual comparison alpha = 0.0001695 (1 of 2). Assumes 28 future values.

Constituent: Zinc Analysis Run 5/11/2022 2:31 PM View: PLs Interwell for App I Intra Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/11/2022 2:32 PM View: PLs Interwell for App I Intra Exceedances

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-4 (bg)	GWA-3 (bg)	GWC-22	GWA-28 (bg)	GWA-2 (bg)	GWA-29 (bg)
8/31/2011	<0.002	<0.002				
9/15/2011			<0.002			
9/16/2011				<0.002		
9/17/2011					<0.002	<0.002
10/27/2011	<0.002				<0.002	
10/28/2011				<0.002		<0.002
10/29/2011			<0.002			
12/12/2011				<0.002		<0.002
12/13/2011			<0.002			
12/14/2011	<0.002				<0.002	
1/25/2012			<0.002	<0.002		
1/31/2012						0.018
2/1/2012	<0.002					
2/7/2012					<0.002	
7/16/2012				<0.002		
7/17/2012						0.0066
7/18/2012			<0.002			
7/23/2012	<0.002				<0.002	
1/22/2013			<0.002			
1/23/2013	<0.002				<0.002	
1/24/2013				<0.002		0.015
7/16/2013			<0.002			
7/17/2013	<0.002					
7/23/2013				<0.002		
7/24/2013					<0.002	0.015
1/15/2014	<0.002					
1/21/2014			<0.002			
1/22/2014				0.0012 (J)	<0.002	0.015
6/25/2014	<0.002	0.0016 (J)	<0.002			
7/1/2014				<0.002	0.0011 (J)	
7/8/2014						0.0081 (D)
1/14/2015	<0.002		<0.002			
1/21/2015				<0.002		0.0088
1/22/2015					<0.002	
7/21/2015	<0.002	<0.002		<0.002		
7/22/2015					0.0012 (J)	0.0072
7/23/2015			<0.002			
1/19/2016						0.0083 (D)
1/20/2016	<0.002				<0.002	
1/22/2016				<0.002		
1/26/2016			<0.002			
1/17/2017	<0.002			<0.002		0.0065
1/19/2017					<0.002	
2/3/2017			<0.002			
8/1/2017		<0.002		<0.002		0.0044
8/2/2017	<0.002				<0.002	
8/8/2017			<0.002			
1/19/2018				<0.002	<0.002	0.0046
1/22/2018	<0.002					
1/25/2018			<0.002			
6/19/2018	<0.002			<0.002	<0.002	0.0063
6/20/2018		<0.002	<0.002			

Prediction Limit

Constituent: Copper (mg/L) Analysis Run 5/11/2022 2:32 PM View: PLs Interwell for App I Intra Exceedances

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-4 (bg)	GWA-3 (bg)	GWC-22	GWA-28 (bg)	GWA-2 (bg)	GWA-29 (bg)
1/17/2019	<0.002				<0.002	
1/18/2019		<0.002				0.0059
1/21/2019				<0.002		
1/24/2019			<0.002			
6/24/2019	<0.002				0.0011 (J)	
6/25/2019		0.004	<0.002	<0.002		0.0085
9/10/2019	<0.002		0.001 (J)	<0.002	0.0014 (J)	0.0074
9/11/2019		0.0015 (J)				
3/10/2020	<0.002	0.0025		<0.002	<0.002	0.004
3/18/2020			<0.002			
9/9/2020	<0.002	0.0029		<0.002		0.0055
9/10/2020			<0.002		0.00099 (J)	
3/15/2021	<0.002	0.0031	<0.002	<0.002	0.001 (J)	0.0062
8/16/2021				<0.002		
8/18/2021	<0.002	0.0017 (J)			0.0011 (J)	0.006
8/19/2021			<0.002			
3/1/2022	<0.002	0.0025		<0.002	<0.002	
3/2/2022						0.0053
3/8/2022			0.0024			

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/11/2022 2:32 PM View: PLs Interwell for App I Intra Exceedances

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-3 (bg)	GWA-4 (bg)	GWC-14	GWA-28 (bg)	GWA-29 (bg)	GWA-2 (bg)
8/31/2011	<0.0002	<0.0002				
9/13/2011			<0.0002			
9/16/2011				<0.0002		
9/17/2011					<0.0002	<0.0002
10/27/2011		<0.0002	<0.0002			<0.0002
10/28/2011				<0.0002	<0.0002	
12/3/2011			<0.0002			
12/12/2011				<0.0002	<0.0002	
12/14/2011		<0.0002				<0.0002
1/24/2012			<0.0002			
1/25/2012				<0.0002		
1/31/2012					<0.0002	
2/1/2012		<0.0002				
2/7/2012						<0.0002
7/11/2012			<0.0002			
7/16/2012				<0.0002		
7/17/2012					<0.0002	
7/23/2012		<0.0002				<0.0002
1/8/2013			<0.0002			
1/23/2013		<0.0002				<0.0002
1/24/2013				<0.0002	<0.0002	
7/10/2013			<0.0002			
7/17/2013		<0.0002				
7/23/2013				<0.0002		
7/24/2013					<0.0002	<0.0002
1/15/2014		<0.0002				
1/21/2014			<0.0002			
1/22/2014				<0.0002	<0.0002	<0.0002
6/25/2014	<0.0002	<0.0002				
7/1/2014			<0.0002	<0.0002		<0.0002
7/8/2014					<0.0002 (D)	
1/14/2015		<0.0002	<0.0002			
1/21/2015				<0.0002	<0.0002	
1/22/2015						<0.0002
7/21/2015	<0.0002	<0.0002		<0.0002		
7/22/2015			3.99E-05 (J)		<0.0002	<0.0002
1/19/2016					<0.0002 (D)	
1/20/2016		<0.0002				<0.0002
1/22/2016				<0.0002		
1/27/2016			<0.0002			
3/22/2016				<0.0002	<0.0002	
3/23/2016		<0.0002				<0.0002
3/30/2016			<0.0002			
3/31/2016	<0.0002					
5/19/2016		<0.0002			<0.0002	
5/23/2016				<0.0002		
5/24/2016						<0.0002
5/25/2016	<0.0002		<0.0002			
7/21/2016		8.7E-05 (J)			<0.0002	
7/25/2016				8.9E-05 (J)		
7/26/2016			0.00012 (J)			0.00012 (J)
7/27/2016	0.00011 (J)					

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/11/2022 2:32 PM View: PLs Interwell for App I Intra Exceedances

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-3 (bg)	GWA-4 (bg)	GWC-14	GWA-28 (bg)	GWA-29 (bg)	GWA-2 (bg)
9/14/2016		<0.0002				
9/15/2016			<0.0002	<0.0002		
9/16/2016						<0.0002
11/9/2016				<0.0002		
11/10/2016		<0.0002				<0.0002
11/17/2016			8.7E-05 (J)			
1/17/2017		<0.0002		<0.0002	<0.0002	
1/19/2017						<0.0002
2/1/2017			9.2E-05 (J)			
3/16/2017		0.00016 (J)		0.00016 (J)		
3/17/2017						0.00015 (J)
3/23/2017			<0.0002			
4/27/2017		<0.0002		<0.0002	<0.0002	
4/28/2017						<0.0002
5/3/2017			<0.0002			
7/18/2017					<0.0002	
8/1/2017	<0.0002			<0.0002	<0.0002	
8/2/2017		<0.0002				<0.0002
8/7/2017			<0.0002			
10/3/2017	<0.0002					
1/19/2018				<0.0002	<0.0002	<0.0002
1/22/2018		<0.0002				
1/25/2018			<0.0002			
6/19/2018		<0.0002		<0.0002	<0.0002	<0.0002
6/20/2018	<0.0002		8.5E-05 (J)			
1/17/2019		<0.0002				<0.0002
1/18/2019	<0.0002				<0.0002	
1/21/2019				<0.0002		
1/22/2019			<0.0002			
6/24/2019		<0.0002				<0.0002
6/25/2019	<0.0002		<0.0002	<0.0002	<0.0002	
9/10/2019		<0.0002		<0.0002	0.00021	<0.0002
9/11/2019	<0.0002					
9/12/2019			<0.0002			
3/10/2020	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002
3/17/2020			<0.0002			
9/9/2020	<0.0002	<0.0002		<0.0002	<0.0002	
9/10/2020			<0.0002			<0.0002
3/15/2021	<0.0002	<0.0002		<0.0002	<0.0002	<0.0002
3/17/2021			<0.0002			
8/16/2021				<0.0002		
8/18/2021	<0.0002	<0.0002			<0.0002	<0.0002
8/23/2021			<0.0002			
3/1/2022	<0.0002	<0.0002		<0.0002		<0.0002
3/2/2022					<0.0002	
3/7/2022			0.00023			

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/11/2022 2:32 PM View: PLs Interwell for App I Intra Exceedances

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-4 (bg)	GWA-3 (bg)	GWC-33	GWA-28 (bg)	GWA-29 (bg)	GWA-2 (bg)
8/31/2011	<0.005	0.0037				
9/16/2011			0.0033	0.003		
9/17/2011					0.026	0.0061
10/27/2011	<0.005					0.0059
10/28/2011				0.0073	0.019	
10/30/2011			0.0071			
12/12/2011				0.0053	0.02	
12/13/2011			0.0062			
12/14/2011	<0.005					0.0077
1/25/2012				0.0046		
1/31/2012					0.036	
2/1/2012	<0.005		0.0033			
2/7/2012						0.0053
7/16/2012				0.0034		
7/17/2012			0.0083		0.015	
7/23/2012	0.0037					0.0043
1/23/2013	<0.005		0.0038			0.0054
1/24/2013				0.0049	0.048	
7/17/2013	<0.005		0.0059			
7/23/2013				0.0026		
7/24/2013					0.048	0.004
1/15/2014	0.00085 (J)					
1/22/2014				0.0052	0.044	0.0056
1/23/2014			0.008			
6/25/2014	0.0014 (J)	0.015				
7/1/2014				0.0042		0.004
7/8/2014					0.04 (D)	
1/14/2015	0.0082					
1/20/2015			0.0058			
1/21/2015				0.0038	0.037	
1/22/2015						0.0051
7/21/2015	0.0015 (J)	0.042		0.0042		
7/22/2015					0.031	0.0033
7/29/2015			0.0049			
1/19/2016					0.035 (D)	
1/20/2016	0.0093					0.0029
1/22/2016				0.0041		
1/25/2016			0.0046			
1/17/2017	0.014 (J)			<0.005	0.024	
1/19/2017						<0.005
1/25/2017			<0.005			
8/1/2017		<0.005		<0.005	0.028	
8/2/2017	<0.005					<0.005
8/4/2017			<0.005			
1/19/2018				<0.005	0.024	<0.005
1/22/2018	<0.005					
1/23/2018			<0.005			
6/19/2018	<0.005			<0.005	0.028	<0.005
6/20/2018		<0.005				
6/26/2018			<0.005			
1/17/2019	<0.005					0.0024 (J)
1/18/2019		0.0088			0.022	

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/11/2022 2:32 PM View: PLs Interwell for App I Intra Exceedances

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-4 (bg)	GWA-3 (bg)	GWC-33	GWA-28 (bg)	GWA-29 (bg)	GWA-2 (bg)
1/21/2019				0.0065		
1/30/2019			0.0096			
6/24/2019	0.0036 (J)					0.0046 (J)
6/25/2019		0.014		0.011	0.041	
6/26/2019			0.0056			
9/10/2019	0.006			0.01	0.031	0.0064
9/11/2019		0.02				
9/12/2019			0.01			
3/10/2020	0.052 (o)	0.015		0.017	0.034	<0.005
3/12/2020			0.0061			
9/9/2020	<0.005	0.013		0.063	0.025	
9/10/2020						<0.005
9/16/2020			0.012			
3/15/2021	0.044 (o)	0.015		0.0057	0.024	<0.005
3/18/2021			<0.005			
8/16/2021				0.0061		
8/18/2021	0.0034 (J)	0.038			0.024	0.0046 (J)
8/24/2021			<0.005			
3/1/2022	<0.005	0.012		0.0057		<0.005
3/2/2022					0.024	
3/9/2022			0.12			

FIGURE I.

Intrawell Prediction Limits Appendix III - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 2:37 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate as SO4 (mg/L)	**GWC-12**	**32.83**	**n/a**	**3/7/2022**	**40**	**Yes**	**19**	**23.47**	**3.532**	**0**	**None**	**No**	**0.0002595**	**Param Intra 1 of 2**
Sulfate as SO4 (mg/L)	**GWC-15**	**2.661**	**n/a**	**3/7/2022**	**3.1**	**Yes**	**19**	**1.57**	**0.4117**	**0**	**None**	**No**	**0.0002595**	**Param Intra 1 of 2**
Sulfate as SO4 (mg/L)	**GWC-16**	**1**	**n/a**	**3/8/2022**	**1.1**	**Yes**	**19**	**n/a**	**n/a**	**57.89**	**n/a**	**n/a**	**0.004832**	**NP Intra (NDs) 1 of 2**
Sulfate as SO4 (mg/L)	**GWC-18**	**1**	**n/a**	**3/8/2022**	**1.1**	**Yes**	**19**	**n/a**	**n/a**	**57.89**	**n/a**	**n/a**	**0.004832**	**NP Intra (NDs) 1 of 2**
Sulfate as SO4 (mg/L)	**GWC-21**	**1**	**n/a**	**3/7/2022**	**1.1**	**Yes**	**19**	**n/a**	**n/a**	**89.47**	**n/a**	**n/a**	**0.004832**	**NP Intra (NDs) 1 of 2**

Intrawell Prediction Limits Appendix III - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 2:37 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
pH, Field (S.U.)	GWA-1	5.828	4.989	2/28/2022	5.29	No	20	5.409	0.1608	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWA-2	6.041	5.301	3/1/2022	5.65	No	19	5.671	0.1397	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWA-28	6.685	5.523	3/1/2022	5.96	No	20	6.104	0.2226	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWA-29	6.445	5.51	3/2/2022	5.87	No	18	n/a	n/a	0	n/a	n/a	0.01075	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWA-3	7.236	4.41	3/1/2022	5.7	No	12	5.823	0.4629	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWA-4	6.603	5.892	3/1/2022	6.29	No	18	6.248	0.1322	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWC-10	7.131	4.939	3/8/2022	5.9	No	19	6.035	0.4138	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWC-11	6.554	5.623	3/7/2022	6.1	No	20	6.088	0.1783	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWC-12	7.851	6.403	3/7/2022	7.32	No	19	151512	31184	0	None	x^6	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWC-13	7.566	6.52	3/8/2022	6.93	No	19	n/a	n/a	0	n/a	n/a	0.009664	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-14	6.344	4.579	3/7/2022	5.5	No	20	5.461	0.3378	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWC-15	7.24	6.31	3/7/2022	6.5	No	19	n/a	n/a	0	n/a	n/a	0.009664	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-16	6.44	5.755	3/8/2022	6.03	No	18	6.097	0.1276	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWC-17	6.481	5.934	3/8/2022	6.06	No	19	6.207	0.1034	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWC-18	6.066	5.77	3/8/2022	6.01	No	18	n/a	n/a	0	n/a	n/a	0.01075	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-19	6.317	5.524	3/8/2022	5.81	No	19	5.921	0.1497	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWC-20	7.121	6.08	3/7/2022	6.13	No	18	n/a	n/a	0	n/a	n/a	0.01075	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-21	6.575	5.3	3/7/2022	5.37	No	19	n/a	n/a	0	n/a	n/a	0.009664	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-22	7.002	6.257	3/8/2022	6.41	No	19	6.63	0.1407	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWC-23	7.295	4.87	3/9/2022	5.5	No	19	n/a	n/a	0	n/a	n/a	0.009664	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-24	7.5	4.97	3/10/2022	5.14	No	18	n/a	n/a	0	n/a	n/a	0.01075	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-25	7.268	4.994	3/8/2022	6.24	No	22	6.131	0.443	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWC-26	6.038	5.52	3/9/2022	5.69	No	19	n/a	n/a	0	n/a	n/a	0.009664	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-27	6.005	5.108	3/8/2022	5.57	No	20	5.557	0.1719	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWC-30	6.78	5.77	3/2/2022	6.07	No	20	n/a	n/a	0	n/a	n/a	0.008582	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-31	6.454	5.724	3/10/2022	6.02	No	19	6.089	0.1377	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWC-32	6.401	5.852	3/9/2022	6.11	No	19	6.126	0.1035	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWC-33	6.998	5.683	3/9/2022	5.85	No	20	6.34	0.2517	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWC-34	6.533	5.377	3/2/2022	5.91	No	20	1.779	0.0373	0	None	ln(x)	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWC-35	6.32	5.19	3/2/2022	5.73	No	20	n/a	n/a	0	n/a	n/a	0.008582	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-5	7.05	6.15	3/2/2022	6.31	No	19	n/a	n/a	0	n/a	n/a	0.009664	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-6	6.5	5.71	3/2/2022	5.89	No	19	n/a	n/a	0	n/a	n/a	0.009664	NP Intra (normality) 1 of 2
pH, Field (S.U.)	GWC-7	6.622	6.087	3/2/2022	6.4	No	19	6.355	0.1008	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWC-8	6.56	5.472	3/2/2022	5.89	No	21	6.016	0.2101	0	None	No	0.0001297	Param Intra 1 of 2
pH, Field (S.U.)	GWC-9	6.358	5.262	3/9/2022	5.53	No	18	5.81	0.2041	0	None	No	0.0001297	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWA-1	1.7	n/a	2/28/2022	1ND	No	19	n/a	n/a	89.47	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWA-2	2.5	n/a	3/1/2022	2	No	19	n/a	n/a	0	n/a	n/a	0.004832	NP Intra (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWA-28	3	n/a	3/1/2022	1	No	19	n/a	n/a	5.263	n/a	n/a	0.004832	NP Intra (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWA-29	26	n/a	3/2/2022	6	No	18	n/a	n/a	0	n/a	n/a	0.005373	NP Intra (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWA-3	256.6	n/a	3/1/2022	64	No	12	72.39	60.36	8.333	None	No	0.0002595	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWA-4	15	n/a	3/1/2022	9.6	No	19	n/a	n/a	0	n/a	n/a	0.004832	NP Intra (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWC-10	53.32	n/a	3/8/2022	13	No	19	24.9	10.73	0	None	No	0.0002595	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-11	1.5	n/a	3/7/2022	1ND	No	18	n/a	n/a	77.78	n/a	n/a	0.005373	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	**GWC-12**	**32.83**	**n/a**	**3/7/2022**	**40**	**Yes**	**19**	**23.47**	**3.532**	**0**	**None**	**No**	**0.0002595**	**Param Intra 1 of 2**
Sulfate as SO4 (mg/L)	GWC-13	4.5	n/a	3/8/2022	3.3	No	19	n/a	n/a	0	n/a	n/a	0.004832	NP Intra (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWC-14	36.35	n/a	3/7/2022	16	No	19	2.395	0.3463	0	None	x^(1/3)	0.0002595	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	**GWC-15**	**2.661**	**n/a**	**3/7/2022**	**3.1**	**Yes**	**19**	**1.57**	**0.4117**	**0**	**None**	**No**	**0.0002595**	**Param Intra 1 of 2**
Sulfate as SO4 (mg/L)	**GWC-16**	**1**	**n/a**	**3/8/2022**	**1.1**	**Yes**	**19**	**n/a**	**n/a**	**57.89**	**n/a**	**n/a**	**0.004832**	**NP Intra (NDs) 1 of 2**
Sulfate as SO4 (mg/L)	GWC-17	1.204	n/a	3/8/2022	1	No	19	0.6438	0.416	47.37	Kaplan-Meier	x^3	0.0002595	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	**GWC-18**	**1**	**n/a**	**3/8/2022**	**1.1**	**Yes**	**19**	**n/a**	**n/a**	**57.89**	**n/a**	**n/a**	**0.004832**	**NP Intra (NDs) 1 of 2**

Intrawell Prediction Limits Appendix III - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 2:37 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate as SO4 (mg/L)	GWC-19	2.5	n/a	3/8/2022	0.94J	No	18	n/a	n/a	33.33	n/a	n/a	0.005373	NP Intra (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWC-20	1.37	n/a	3/7/2022	1.3	No	19	0.9408	0.162	10.53	None	No	0.0002595	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	**GWC-21**	**1**	**n/a**	**3/7/2022**	**1.1**	**Yes**	**19**	**n/a**	**n/a**	**89.47**	**n/a**	**n/a**	**0.004832**	**NP Intra (NDs) 1 of 2**
Sulfate as SO4 (mg/L)	GWC-22	1.2	n/a	3/8/2022	1ND	No	19	n/a	n/a	63.16	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-23	1	n/a	3/9/2022	0.76J	No	19	n/a	n/a	73.68	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-24	2.3	n/a	3/10/2022	0.83J	No	19	n/a	n/a	63.16	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-25	31.87	n/a	3/8/2022	5.4	No	19	11.33	7.753	0	None	No	0.0002595	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-26	1.8	n/a	3/9/2022	1ND	No	19	n/a	n/a	63.16	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2
Sulfate as SO4 (mg/L)	GWC-27	4.037	n/a	3/8/2022	1.6	No	19	1.754	0.8617	5.263	None	No	0.0002595	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-30	3.3	n/a	3/2/2022	1.4	No	19	n/a	n/a	0	n/a	n/a	0.004832	NP Intra (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWC-31	24.08	n/a	3/10/2022	8.9	No	14	13.81	3.532	0	None	No	0.0002595	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-32	13.5	n/a	3/9/2022	7.6	No	19	n/a	n/a	0	n/a	n/a	0.004832	NP Intra (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWC-33	33.64	n/a	3/9/2022	7.4	No	18	15.78	6.647	0	None	No	0.0002595	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-34	3.8	n/a	3/2/2022	1.6	No	19	n/a	n/a	0	n/a	n/a	0.004832	NP Intra (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWC-35	4.7	n/a	3/2/2022	3.2	No	19	n/a	n/a	0	n/a	n/a	0.004832	NP Intra (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWC-5	41.47	n/a	3/2/2022	28	No	19	23.84	6.654	0	None	No	0.0002595	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-6	30	n/a	3/2/2022	13	No	19	n/a	n/a	0	n/a	n/a	0.004832	NP Intra (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWC-7	109.4	n/a	3/2/2022	41	No	18	66.77	15.88	0	None	No	0.0002595	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-8	37.56	n/a	3/2/2022	14	No	18	2.584	0.2845	0	None	x^(1/3)	0.0002595	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-9	43.17	n/a	3/9/2022	6.6	No	19	2.797	0.3654	0	None	ln(x)	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-1	40.05	n/a	2/28/2022	25	No	19	3.022	1.248	31.58	Kaplan-Meier	sqrt(x)	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-2	86.19	n/a	3/1/2022	26	No	19	33.67	19.83	15.79	Kaplan-Meier	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-28	111.6	n/a	3/1/2022	72	No	19	60.63	19.22	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-29	145.1	n/a	3/2/2022	85	No	18	74.89	26.14	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-3	410	n/a	3/1/2022	180	No	12	n/a	n/a	0	n/a	n/a	0.01077	NP Intra (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-4	213.6	n/a	3/1/2022	140	No	19	158.1	20.95	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-10	302.3	n/a	3/8/2022	130	No	19	158.7	54.2	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-11	311.4	n/a	3/7/2022	130	No	19	153.1	59.77	5.263	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-12	282.9	n/a	3/7/2022	220	No	19	189.8	35.15	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-13	91.76	n/a	3/8/2022	38	No	19	50.21	15.69	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-14	598.6	n/a	3/7/2022	320	No	19	304.1	111.2	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-15	119.6	n/a	3/7/2022	80	No	19	80.11	14.91	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-16	120	n/a	3/8/2022	70	No	19	6294	3060	0	None	x^2	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-17	131.6	n/a	3/8/2022	87	No	19	8696	3256	0	None	x^2	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-18	119.7	n/a	3/8/2022	72	No	19	76.21	16.41	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-19	119.8	n/a	3/8/2022	61	No	19	62.74	21.55	5.263	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-20	124.6	n/a	3/7/2022	72	No	19	89.47	13.27	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-21	91.27	n/a	3/7/2022	43	No	19	48.16	16.27	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-22	127.5	n/a	3/8/2022	89	No	19	1025515	395328	5.263	None	x^3	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-23	140	n/a	3/9/2022	40	No	19	n/a	n/a	5.263	n/a	n/a	0.004832	NP Intra (normality) 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-24	46.18	n/a	3/10/2022	15	No	19	23	8.75	10.53	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-25	130.6	n/a	3/8/2022	59	No	19	77.53	20.05	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-26	93.47	n/a	3/9/2022	28	No	19	37.82	21.01	5.263	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-27	76.84	n/a	3/8/2022	25	No	19	31.53	17.11	15.79	Kaplan-Meier	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-30	83.18	n/a	3/2/2022	41	No	19	42.37	15.41	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-31	172	n/a	3/10/2022	87	No	14	107.6	22.15	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-32	142.4	n/a	3/9/2022	74	No	19	89.21	20.08	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-33	163.1	n/a	3/9/2022	97	No	19	103.9	22.33	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-34	105.8	n/a	3/2/2022	42	No	19	42.37	23.94	10.53	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-35	74.28	n/a	3/2/2022	28	No	19	35.24	14.74	5.263	None	No	0.0002595	Param Intra 1 of 2

Intrawell Prediction Limits Appendix III - All Results

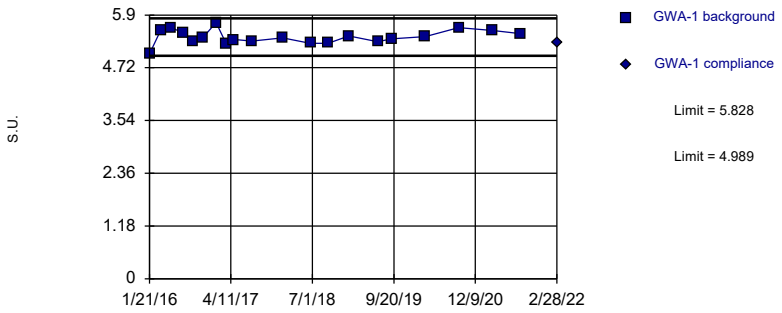
Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 2:37 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Total Dissolved Solids [TDS] (mg/L)	GWC-5	281.4	n/a	3/2/2022	180	No	19	182.2	37.46	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-6	194.7	n/a	3/2/2022	130	No	19	114.9	30.12	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-7	550.3	n/a	3/2/2022	370	No	19	421.6	48.55	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-8	283.1	n/a	3/2/2022	150	No	19	175.2	40.76	0	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-9	338.7	n/a	3/9/2022	82	No	19	165.9	65.23	0	None	No	0.0002595	Param Intra 1 of 2

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.409, Std. Dev.=0.1608, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.975, critical = 0.868. Kappa = 2.611 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 5/11/2022 2:33 PM View: PLs Intra App III

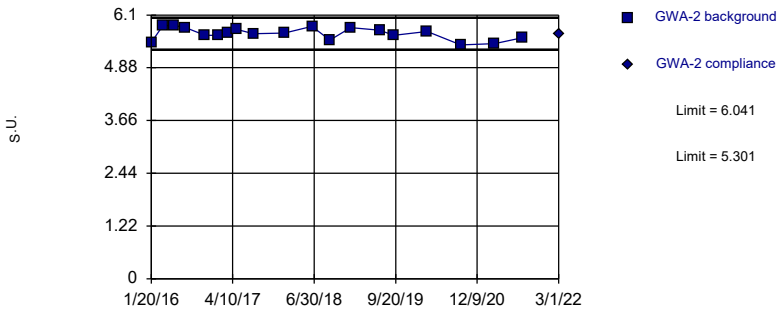
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.671, Std. Dev.=0.1397, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9436, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 5/11/2022 2:33 PM View: PLs Intra App III

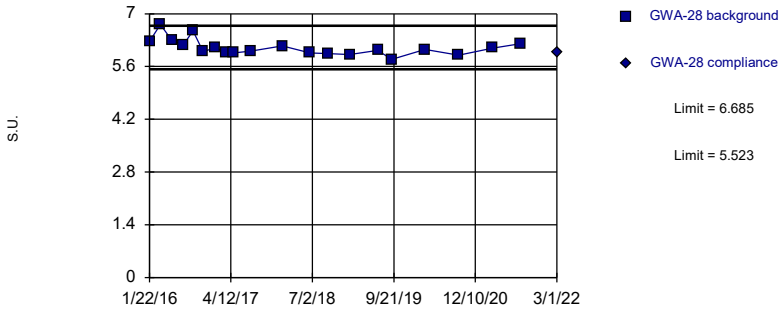
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.104, Std. Dev.=0.2226, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.879, critical = 0.868. Kappa = 2.611 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 5/11/2022 2:33 PM View: PLs Intra App III

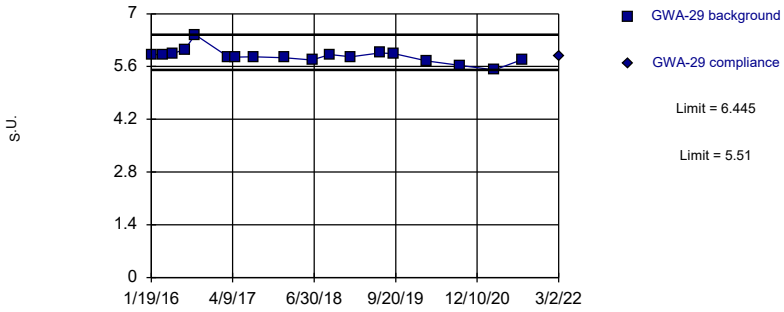
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limits are highest and lowest of 18 background values. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01075 (1 of 2).

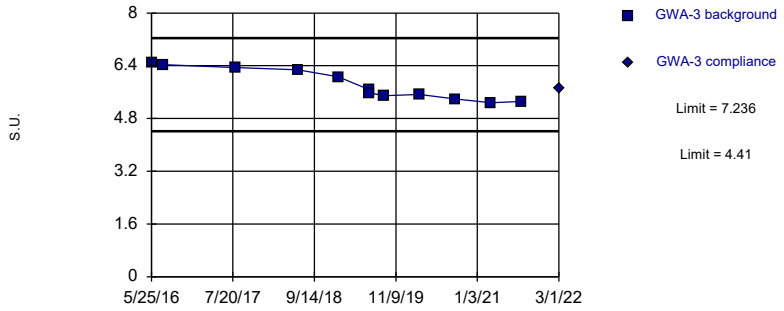
Constituent: pH, Field Analysis Run 5/11/2022 2:33 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.823, Std. Dev.=0.4629, n=12. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8667, critical = 0.859. Kappa = 3.053 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 5/11/2022 2:33 PM View: PLs Intra App III

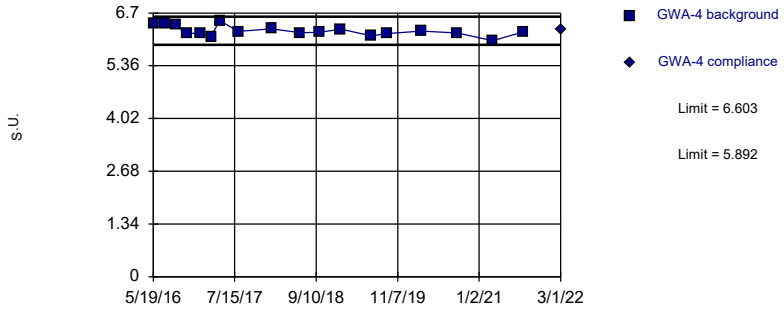
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.248, Std. Dev.=0.1322, n=18. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9374, critical = 0.897. Kappa = 2.687 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 5/11/2022 2:33 PM View: PLs Intra App III

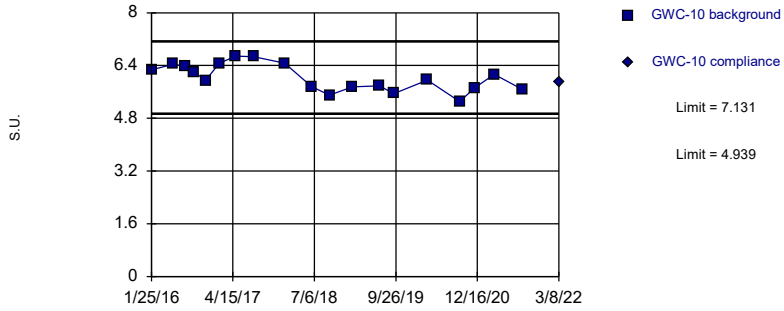
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.035, Std. Dev.=0.4138, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9541, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 5/11/2022 2:33 PM View: PLs Intra App III

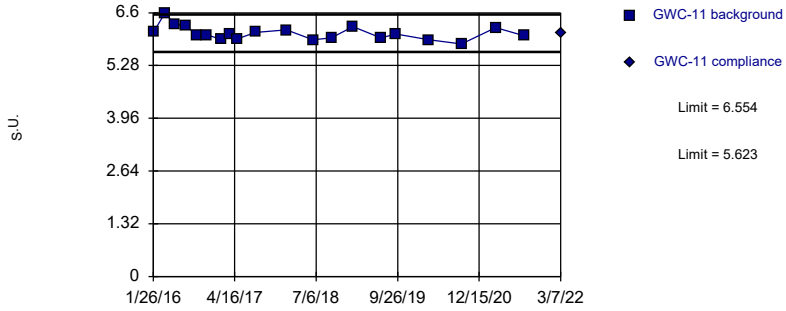
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.088, Std. Dev.=0.1783, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9195, critical = 0.868. Kappa = 2.611 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

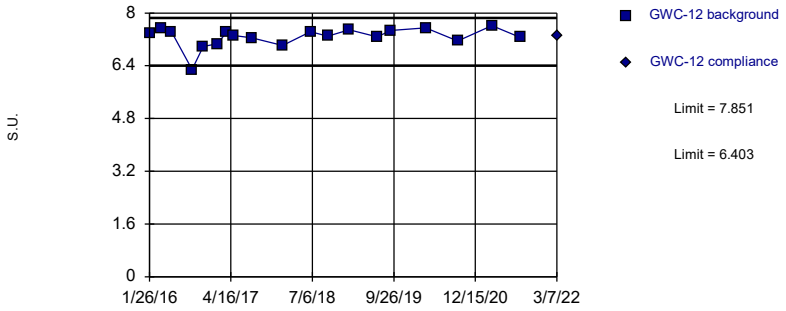
Constituent: pH, Field Analysis Run 5/11/2022 2:33 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary (based on x^6 transformation): Mean=151512, Std. Dev.=31184, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9141, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 5/11/2022 2:33 PM View: PLs Intra App III

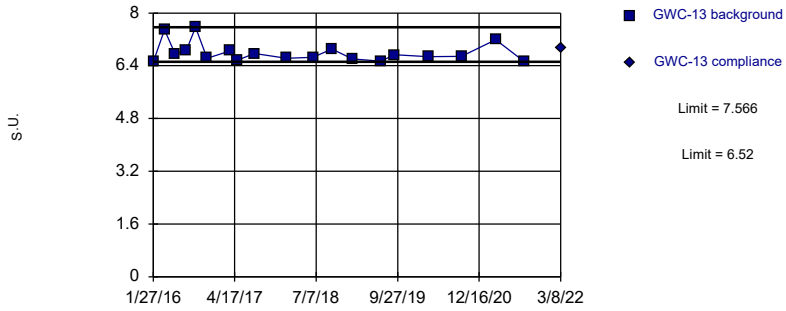
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limits are highest and lowest of 19 background values. Well-constituent pair annual alpha = 0.01928. Individual comparison alpha = 0.009664 (1 of 2).

Constituent: pH, Field Analysis Run 5/11/2022 2:33 PM View: PLs Intra App III

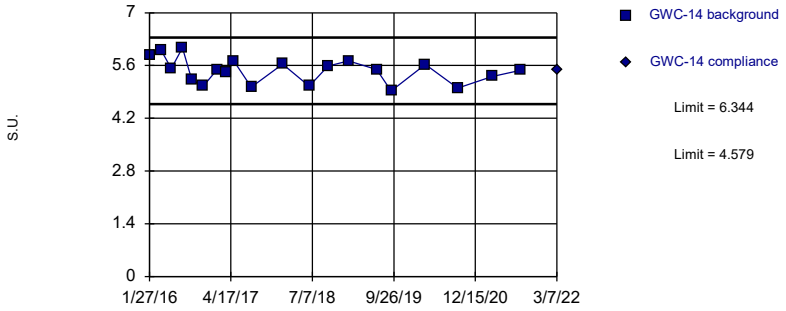
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.461, Std. Dev.=0.3378, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9552, critical = 0.868. Kappa = 2.611 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III

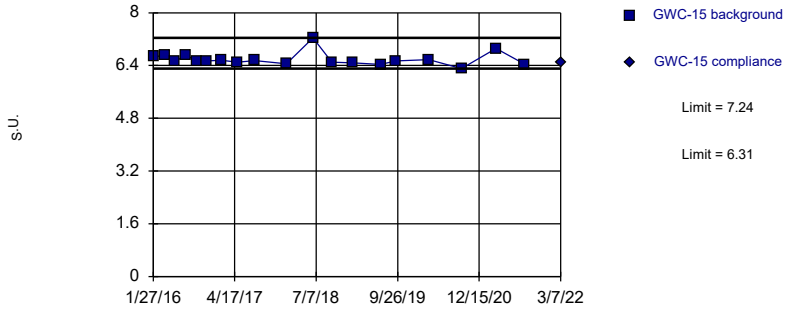
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limits are highest and lowest of 19 background values. Well-constituent pair annual alpha = 0.01928. Individual comparison alpha = 0.009664 (1 of 2).

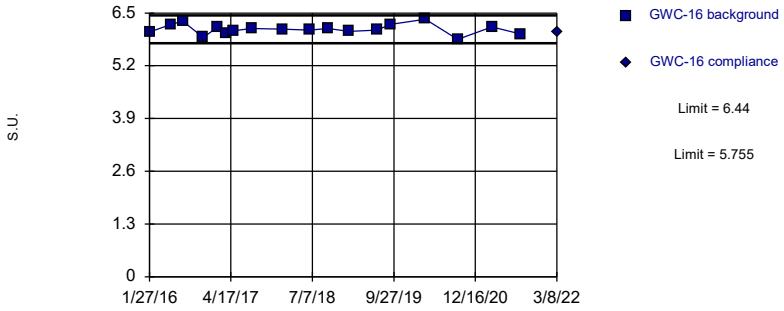
Constituent: pH, Field Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.097, Std. Dev.=0.1276, n=18. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9834, critical = 0.897. Kappa = 2.687 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III

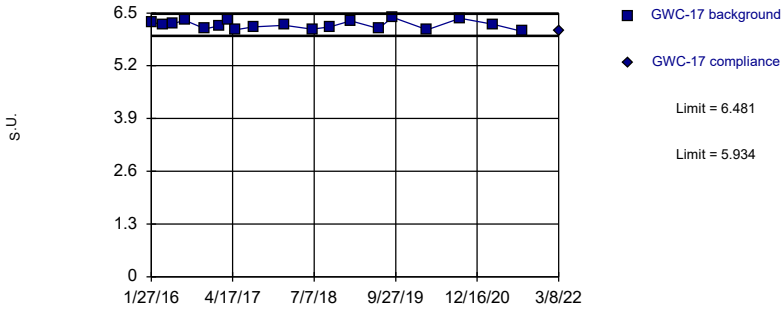
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.207, Std. Dev.=0.1034, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9508, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III

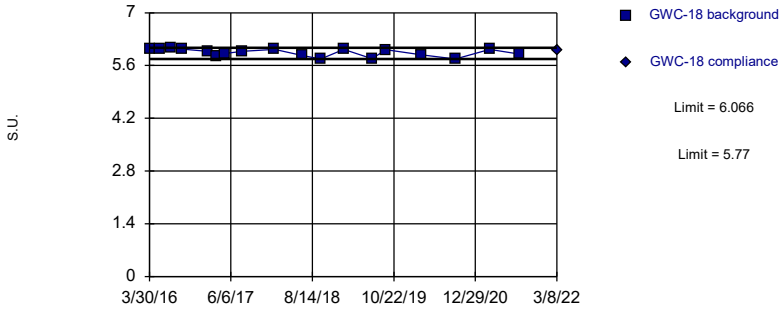
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limits are highest and lowest of 18 background values. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01075 (1 of 2).

Constituent: pH, Field Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III

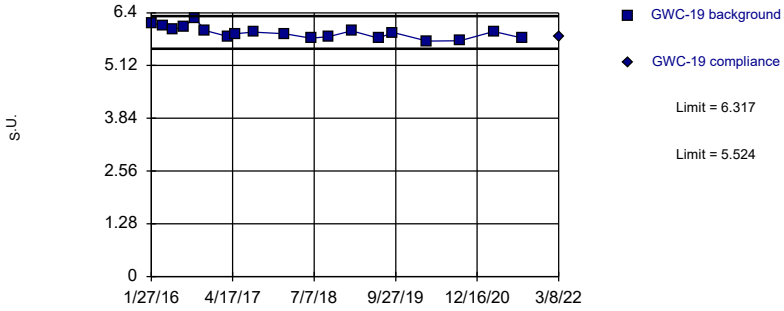
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.921, Std. Dev.=0.1497, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9531, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

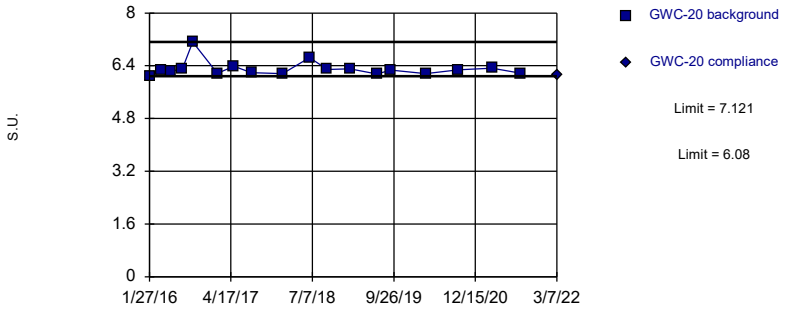
Constituent: pH, Field Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limits are highest and lowest of 18 background values. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01075 (1 of 2).

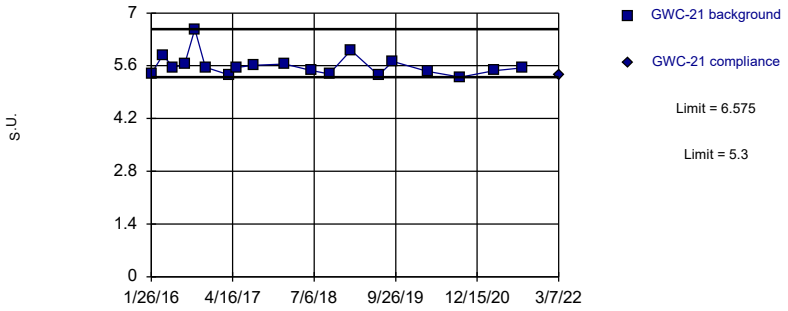
Constituent: pH, Field Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limits are highest and lowest of 19 background values. Well-constituent pair annual alpha = 0.01928. Individual comparison alpha = 0.009664 (1 of 2).

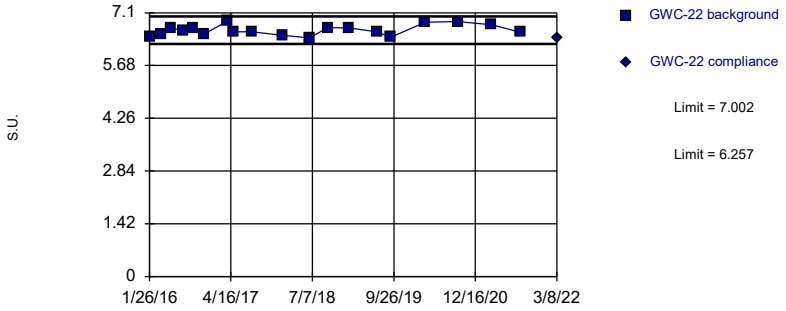
Constituent: pH, Field Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.63, Std. Dev.=0.1407, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9436, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

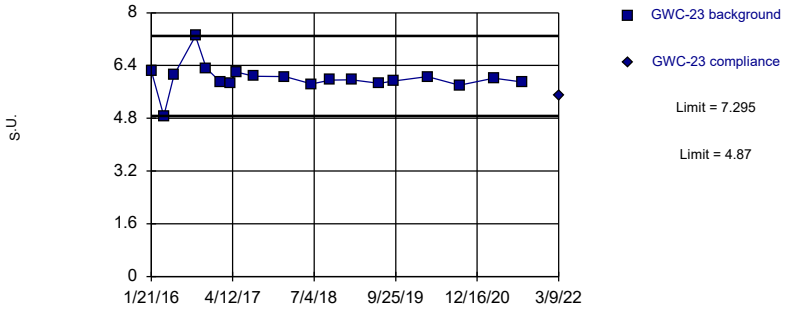
Constituent: pH, Field Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Non-parametric



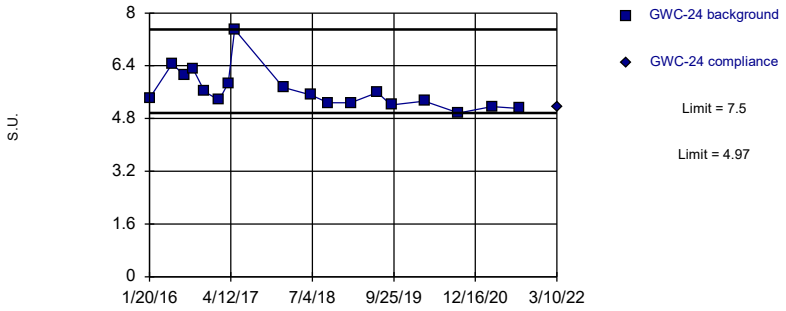
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limits are highest and lowest of 19 background values. Well-constituent pair annual alpha = 0.01928. Individual comparison alpha = 0.009664 (1 of 2).

Constituent: pH, Field Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limits are highest and lowest of 18 background values. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01075 (1 of 2).

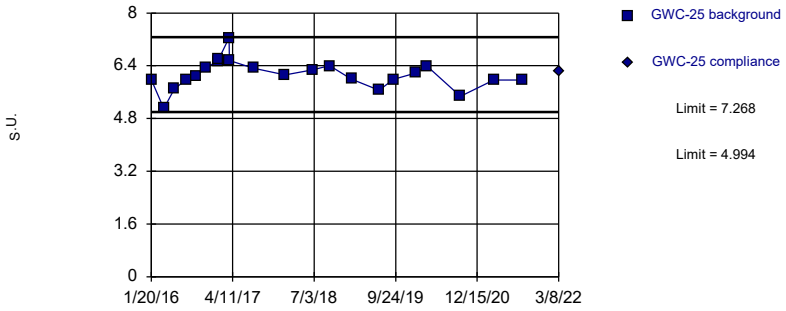
Constituent: pH, Field Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.131, Std. Dev.=0.443, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9598, critical = 0.878. Kappa = 2.566 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

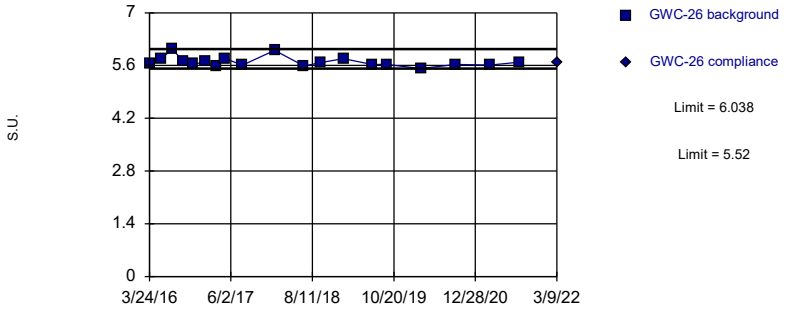
Constituent: pH, Field Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limits are highest and lowest of 19 background values. Well-constituent pair annual alpha = 0.01928. Individual comparison alpha = 0.009664 (1 of 2).

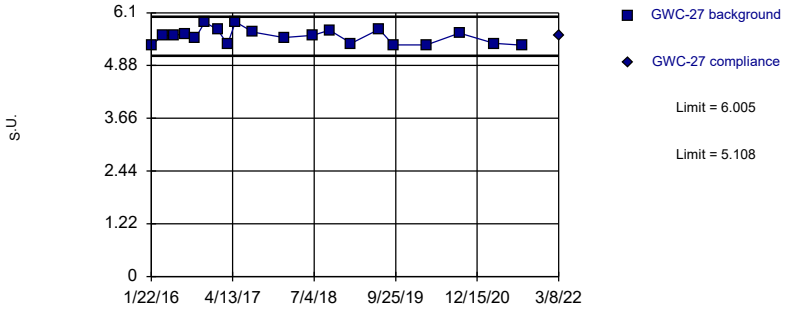
Constituent: pH, Field Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.557, Std. Dev.=0.1719, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9122, critical = 0.868. Kappa = 2.611 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

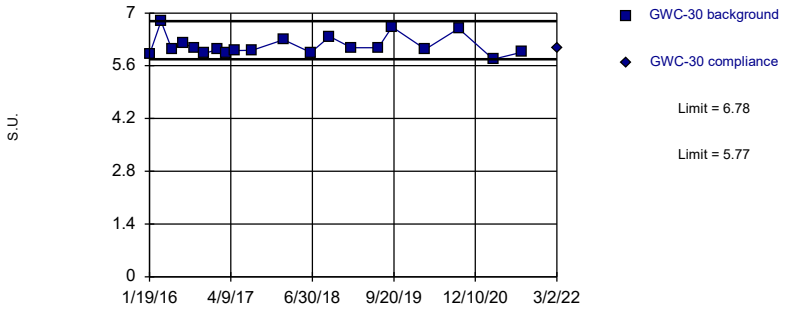
Constituent: pH, Field Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 20 background values. Well-constituent pair annual alpha = 0.01713. Individual comparison alpha = 0.008582 (1 of 2).

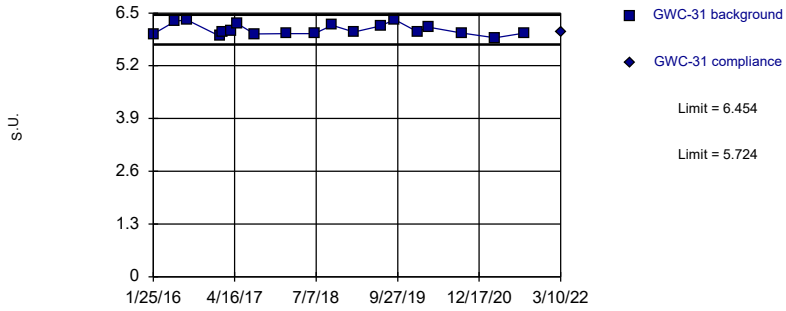
Constituent: pH, Field Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.089, Std. Dev.=0.1377, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9033, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

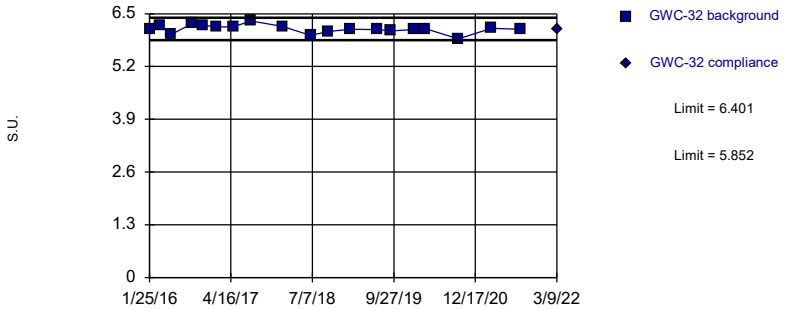
Constituent: pH, Field Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.126, Std. Dev.=0.1035, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9642, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

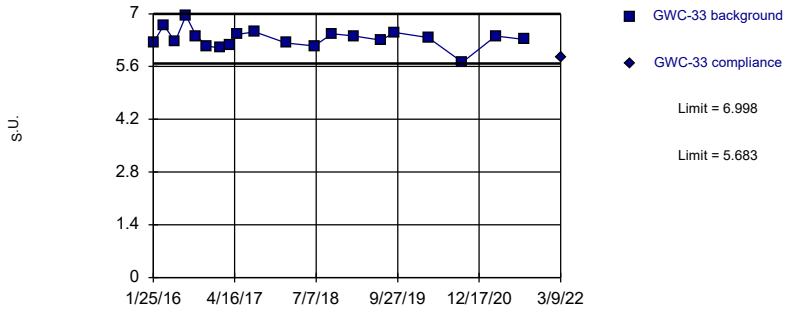
Constituent: pH, Field Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



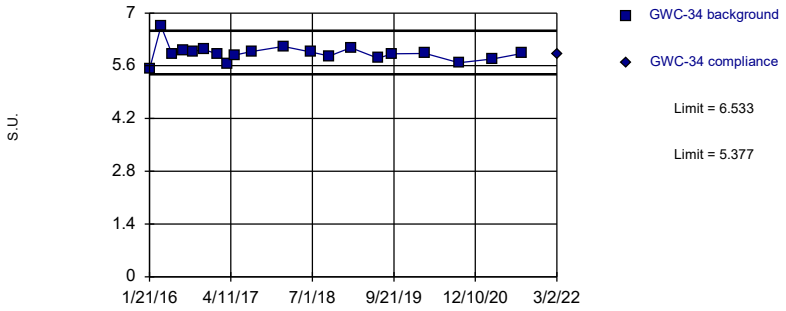
Background Data Summary: Mean=6.34, Std. Dev.=0.2517, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9467, critical = 0.868. Kappa = 2.611 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=1.779, Std. Dev.=0.0373, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8708, critical = 0.868. Kappa = 2.611 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III

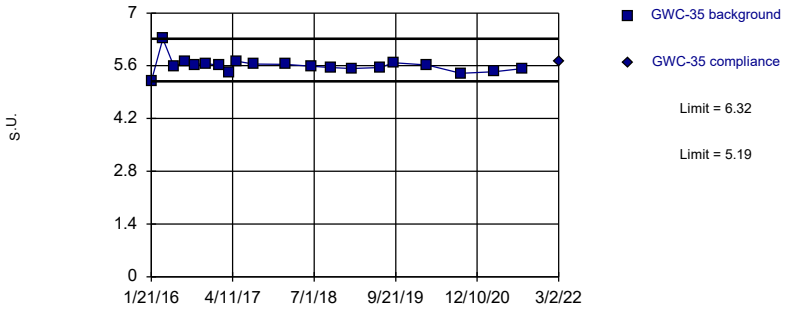
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 20 background values. Well-constituent pair annual alpha = 0.01713. Individual comparison alpha = 0.008582 (1 of 2).

Constituent: pH, Field Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III

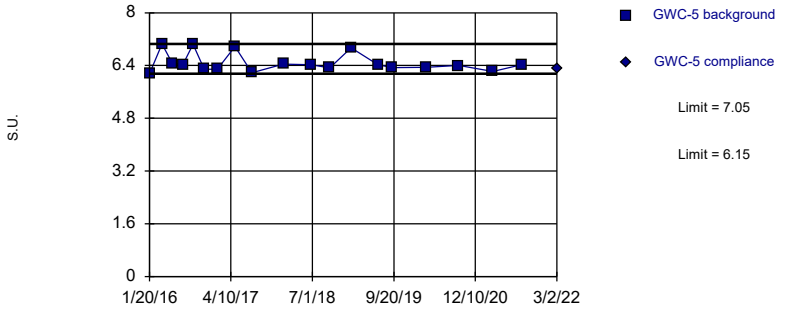
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limits are highest and lowest of 19 background values. Well-constituent pair annual alpha = 0.01928. Individual comparison alpha = 0.009664 (1 of 2).

Constituent: pH, Field Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III

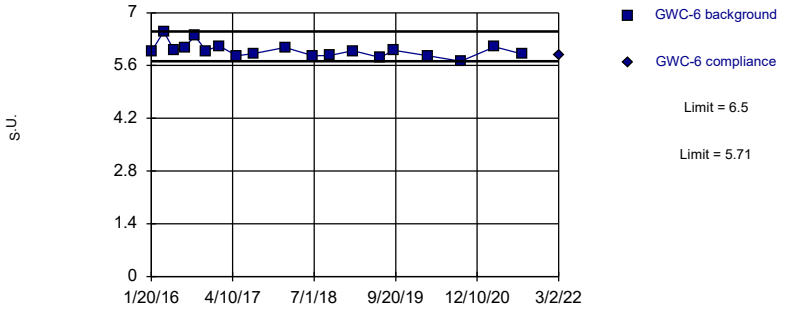
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limits are highest and lowest of 19 background values. Well-constituent pair annual alpha = 0.01928. Individual comparison alpha = 0.009664 (1 of 2).

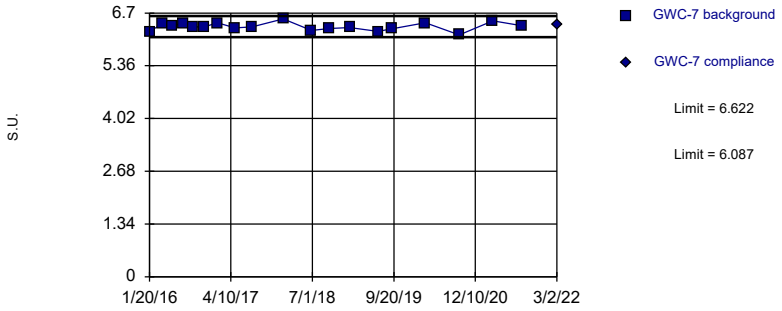
Constituent: pH, Field Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.355, Std. Dev.=0.1008, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9881, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III

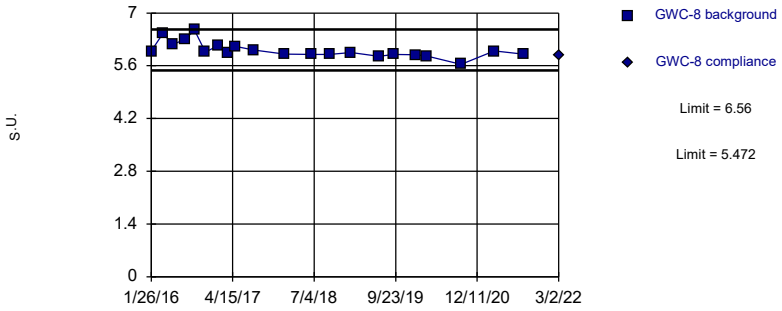
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=6.016, Std. Dev.=0.2101, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.876, critical = 0.873. Kappa = 2.589 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III

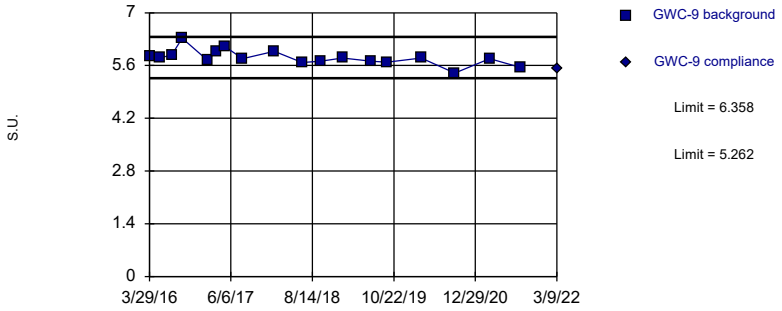
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limits

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=5.81, Std. Dev.=0.2041, n=18. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9441, critical = 0.897. Kappa = 2.687 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

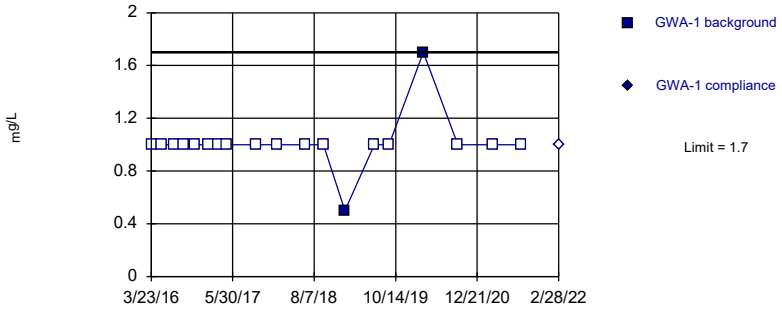
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

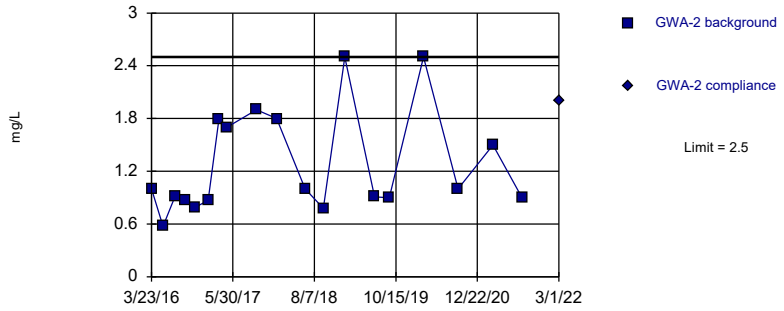
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

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 0.05 alpha level. Limit is highest of 19 background values. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

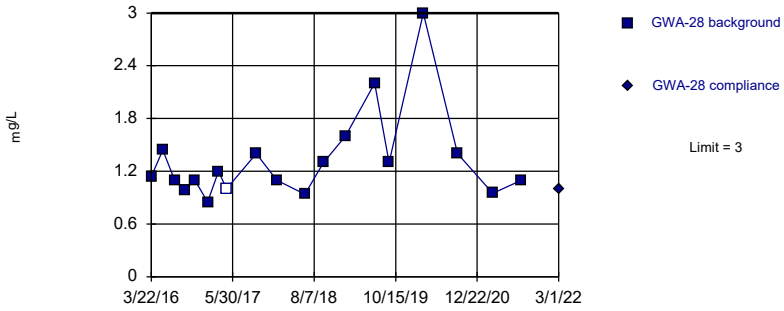
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

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 0.05 alpha level. Limit is highest of 19 background values. 5.263% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

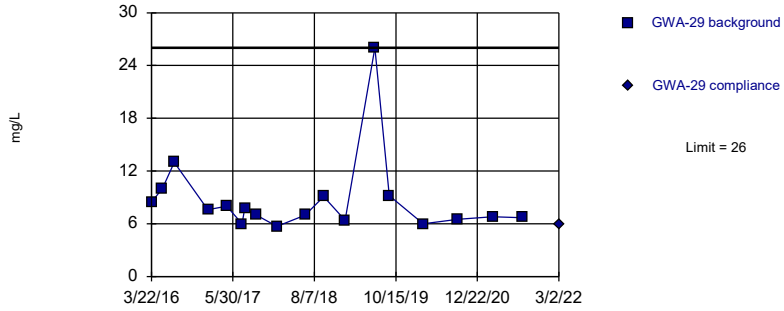
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

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 0.05 alpha level. Limit is highest of 18 background values. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

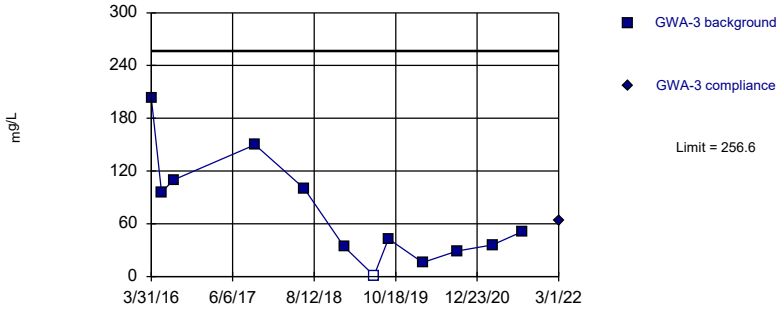
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=72.39, Std. Dev.=60.36, n=12, 8.333% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9043, critical = 0.859. Kappa = 3.053 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

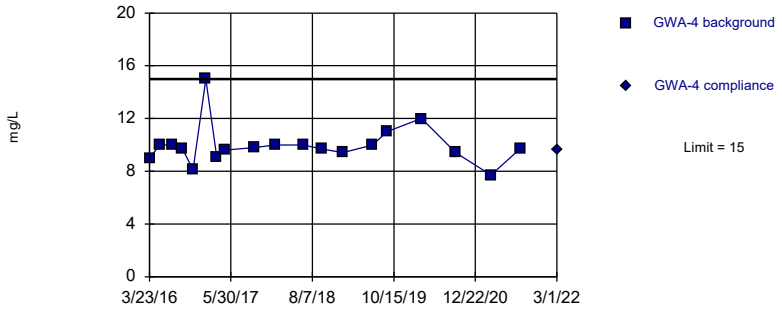
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

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 0.05 alpha level. Limit is highest of 19 background values. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III

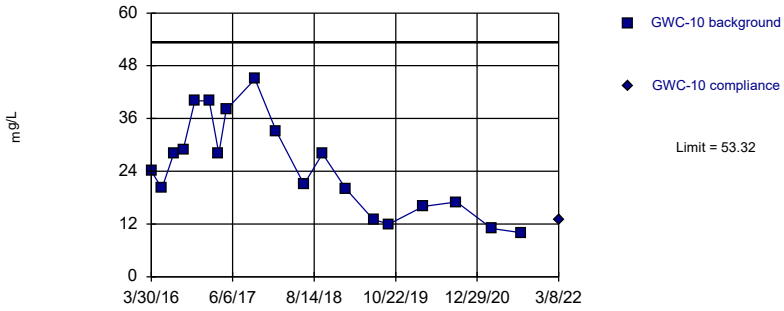
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=24.9, Std. Dev.=10.73, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9467, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

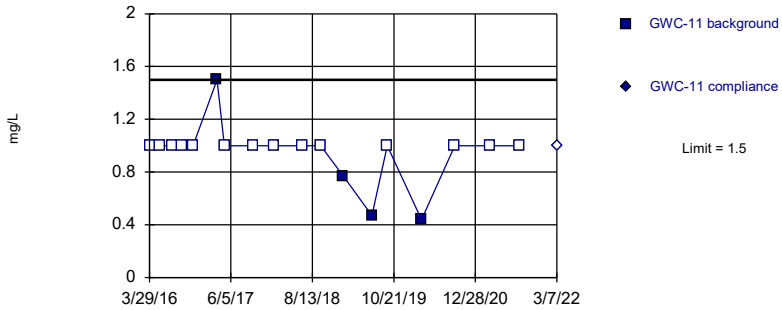
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 77.78% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III

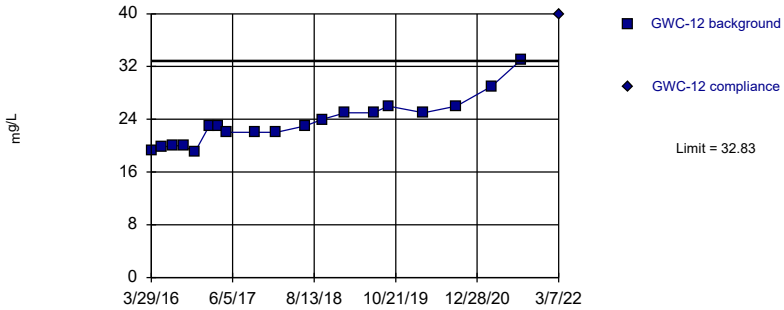
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=23.47, Std. Dev.=3.532, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9145, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

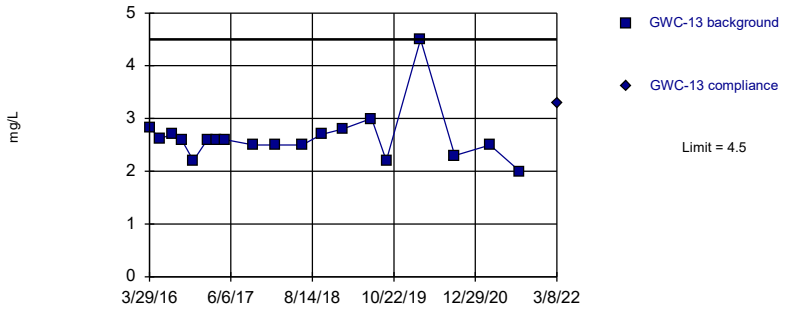
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

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 0.05 alpha level. Limit is highest of 19 background values. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III

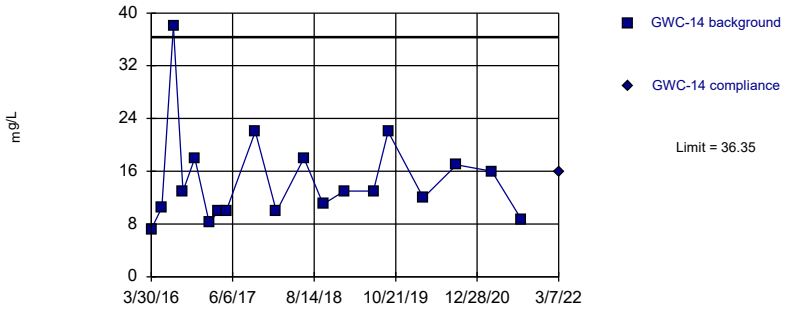
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=2.395, Std. Dev.=0.3463, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9108, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III

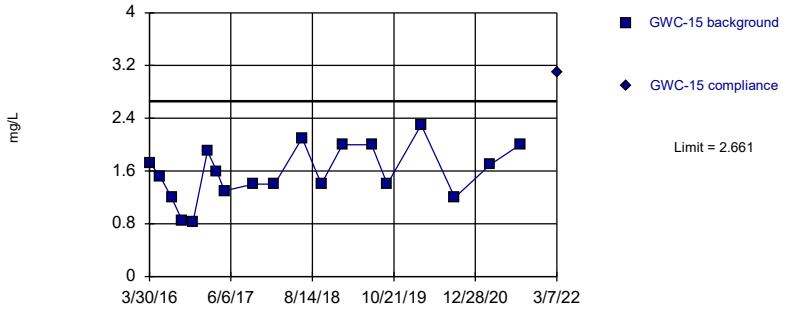
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1.57, Std. Dev.=0.4117, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9627, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

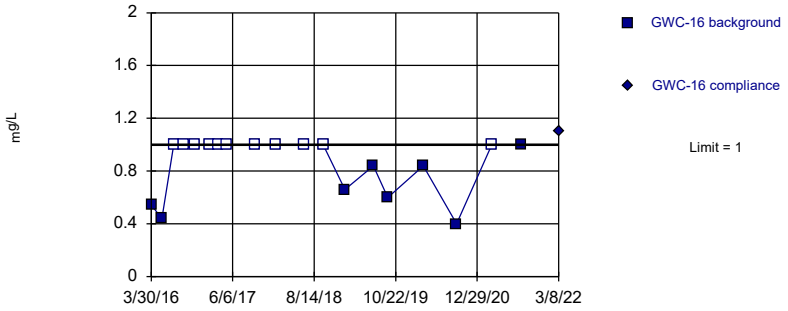
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

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 19 background values. 57.89% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III

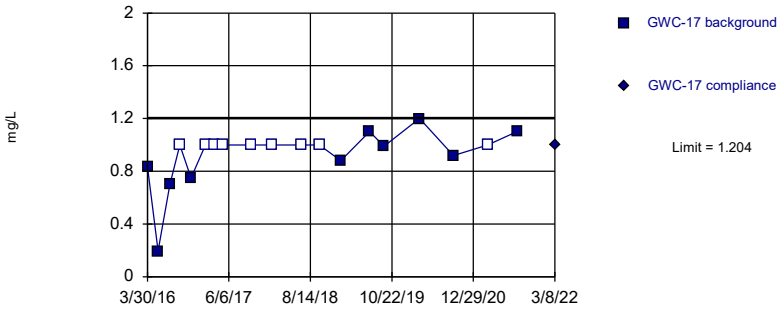
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube transformation) (after Kaplan-Meier Adjustment): Mean=0.6438, Std. Dev.=0.416, n=19, 47.37% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9048, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

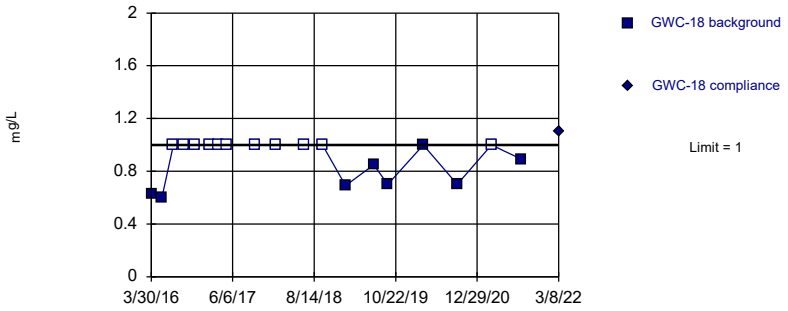
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:34 PM View: PLs Intra App III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by 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 19 background values. 57.89% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

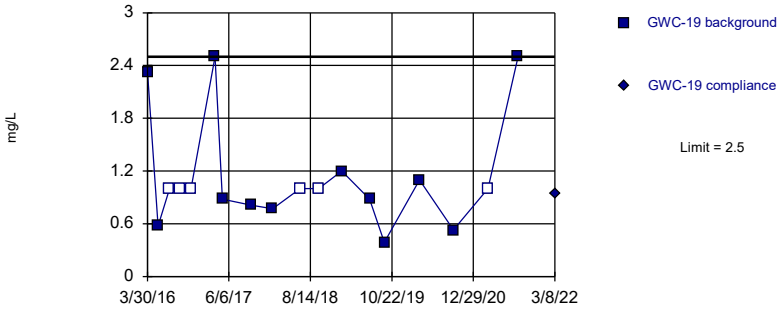
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. 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 0.05 alpha level. Limit is highest of 18 background values. 33.33% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

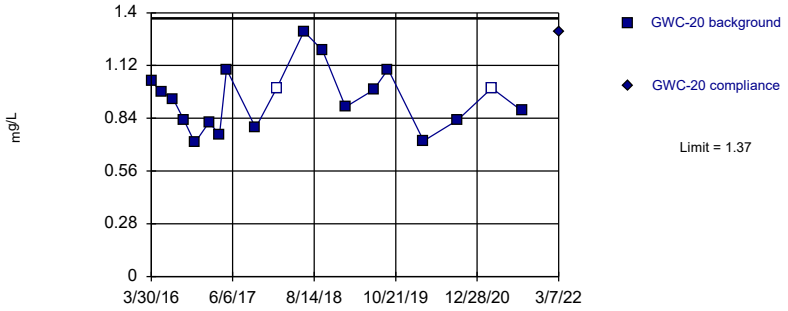
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=0.9408, Std. Dev.=0.162, n=19, 10.53% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9622, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

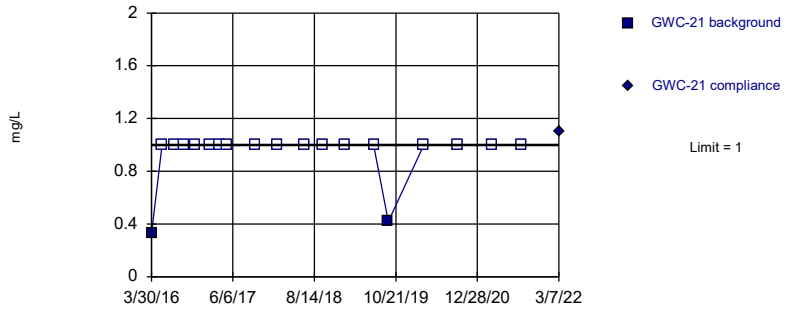
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by 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 19 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

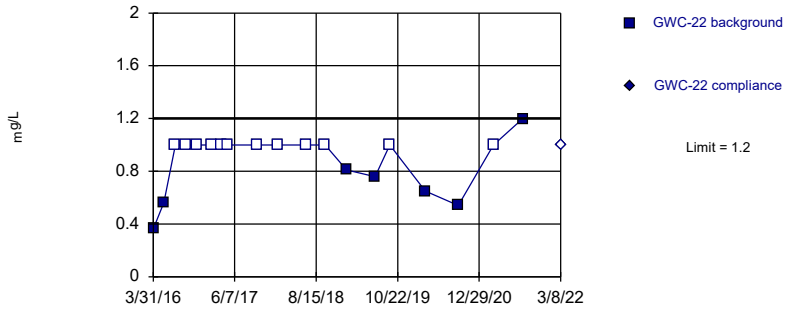
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 63.16% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

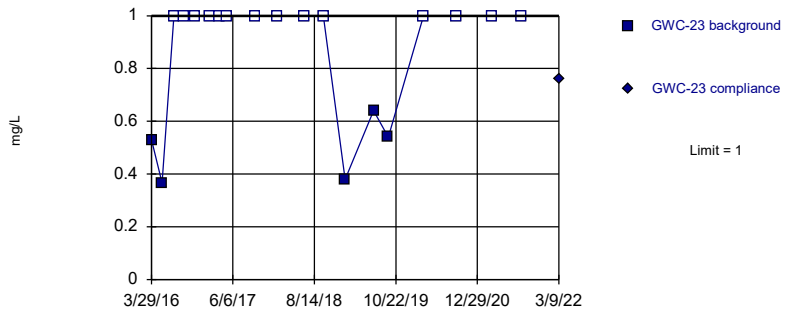
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 73.68% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

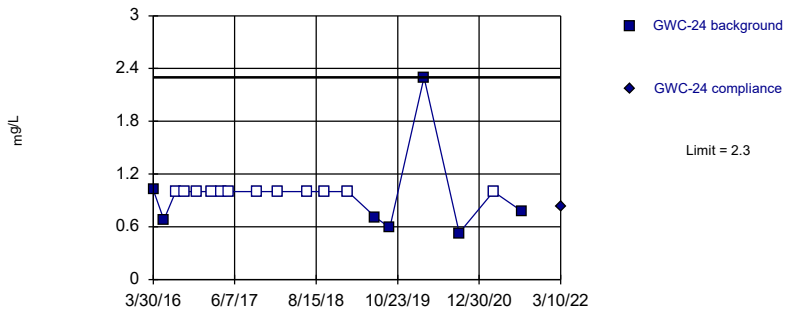
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 63.16% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

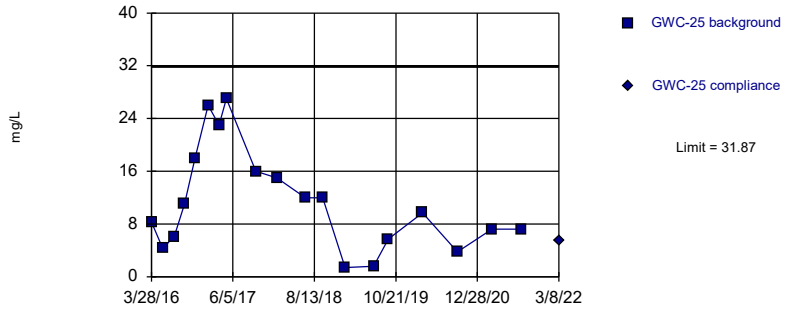
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=11.33, Std. Dev.=7.753, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9215, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

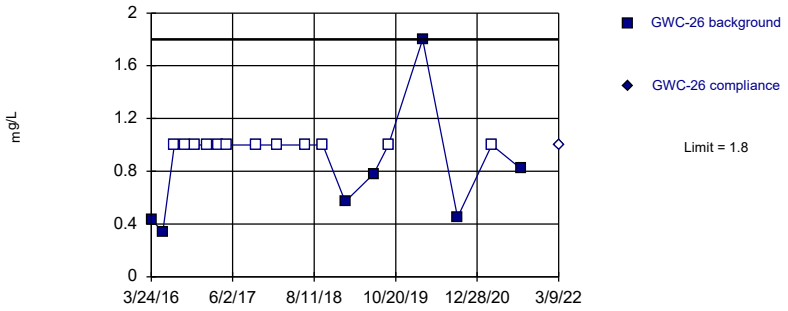
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 63.16% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

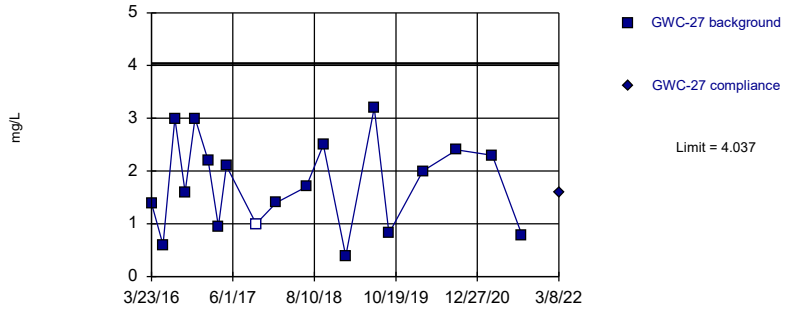
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=1.754, Std. Dev.=0.8617, n=19, 5.263% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9566, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III

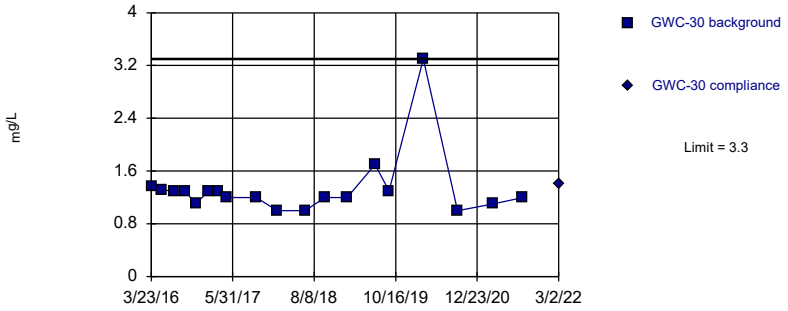
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by 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 0.05 alpha level. Limit is highest of 19 background values. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

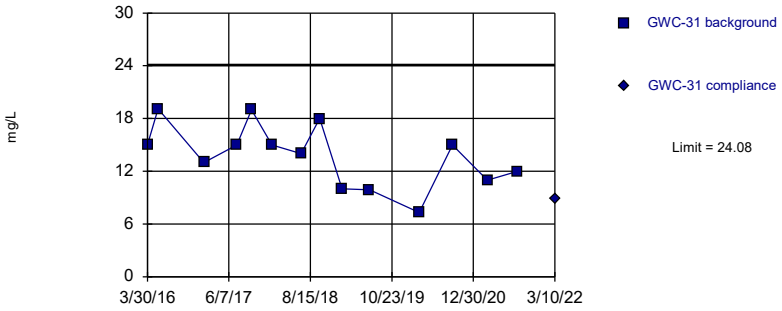
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=13.81, Std. Dev.=3.532, n=14. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9552, critical = 0.874. Kappa = 2.907 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III

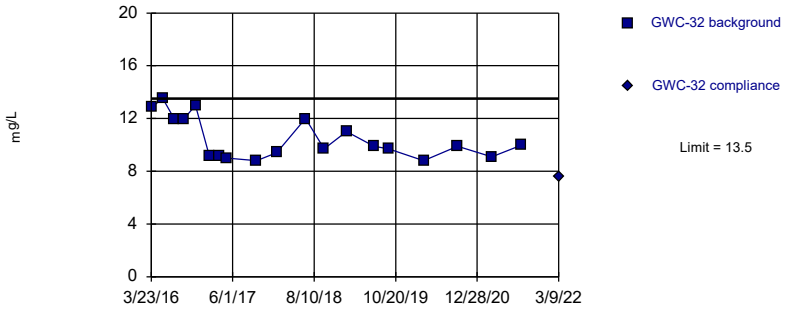
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by 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 0.05 alpha level. Limit is highest of 19 background values. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III

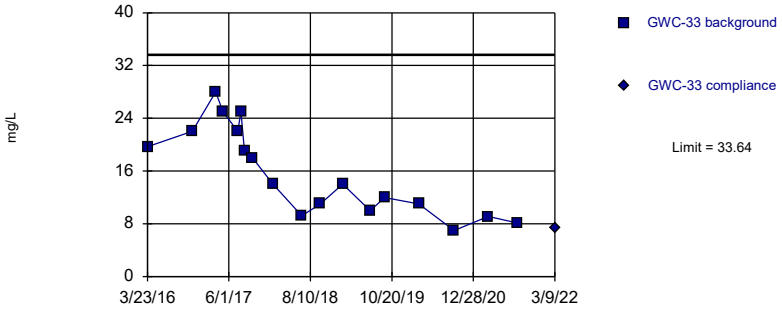
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=15.78, Std. Dev.=6.647, n=18. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9227, critical = 0.897. Kappa = 2.687 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III

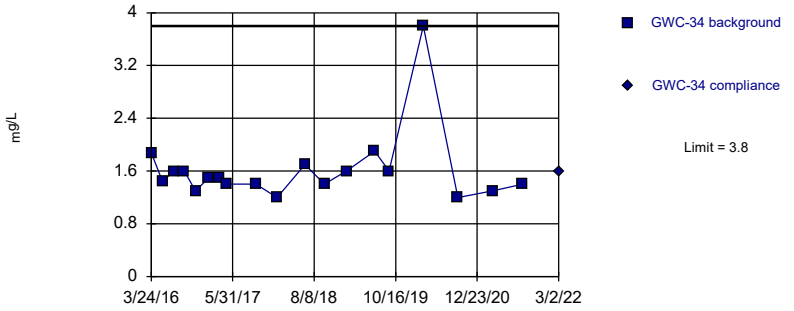
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by 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 0.05 alpha level. Limit is highest of 19 background values. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

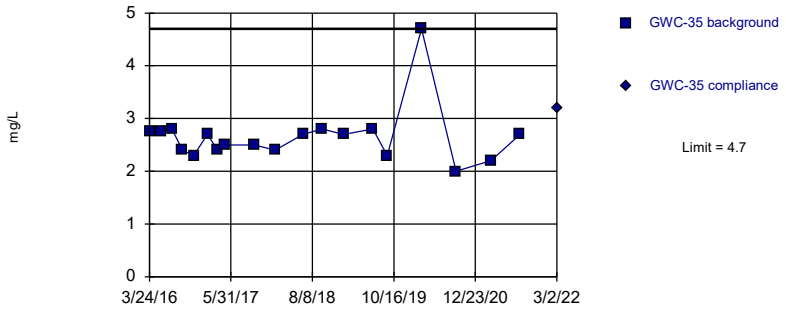
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

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 0.05 alpha level. Limit is highest of 19 background values. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III

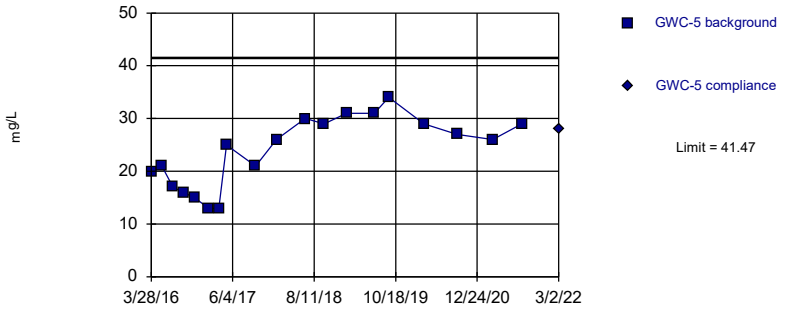
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=23.84, Std. Dev.=6.654, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9255, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III

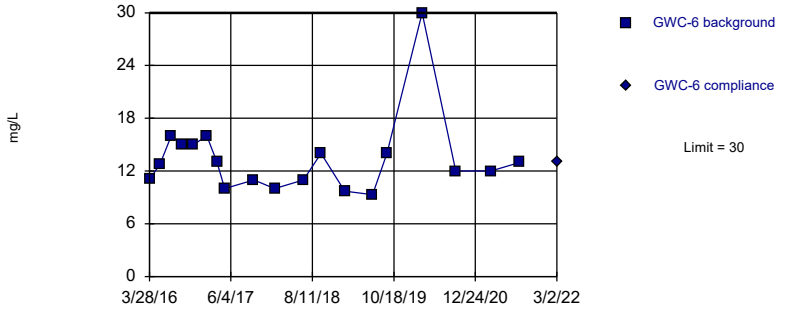
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by 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 0.05 alpha level. Limit is highest of 19 background values. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III

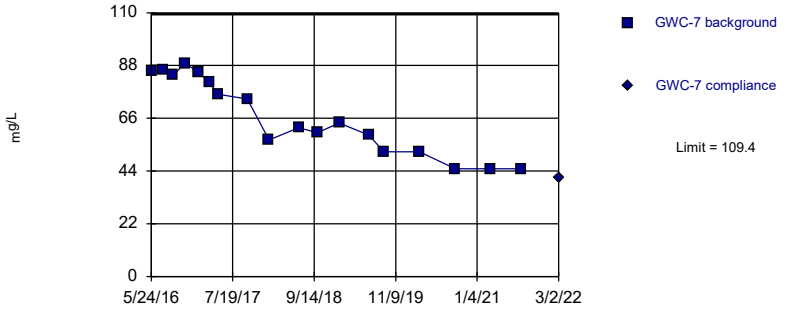
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=66.77, Std. Dev.=15.88, n=18. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8982, critical = 0.897. Kappa = 2.687 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

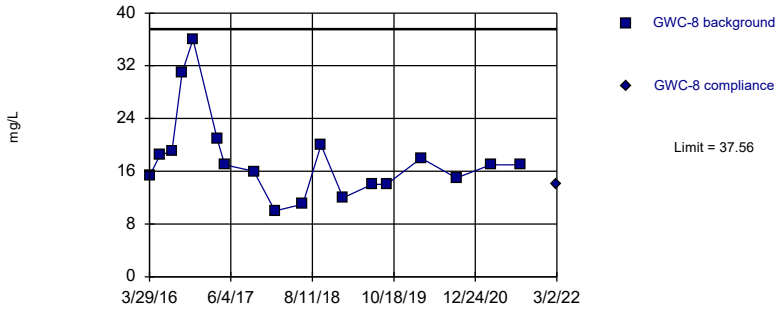
Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube root transformation): Mean=2.584, Std. Dev.=0.2845, n=18. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9069, critical = 0.897. Kappa = 2.687 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III

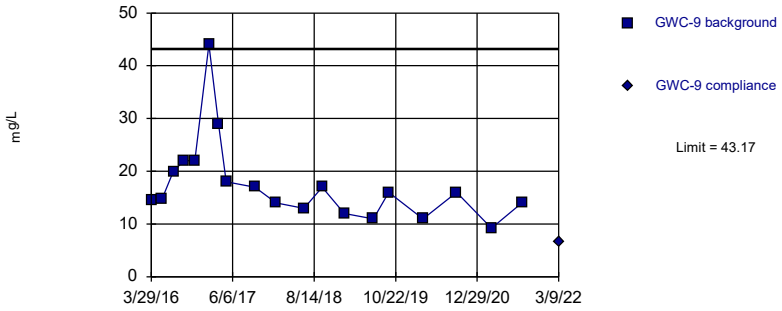
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on natural log transformation): Mean=2.797, Std. Dev.=0.3654, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9369, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

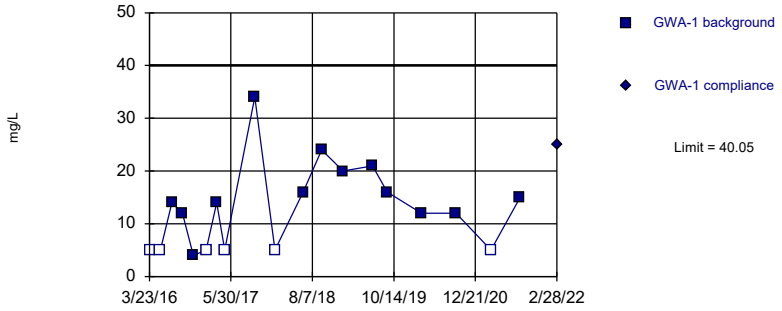
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=3.022, Std. Dev.=1.248, n=19, 31.58% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9033, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

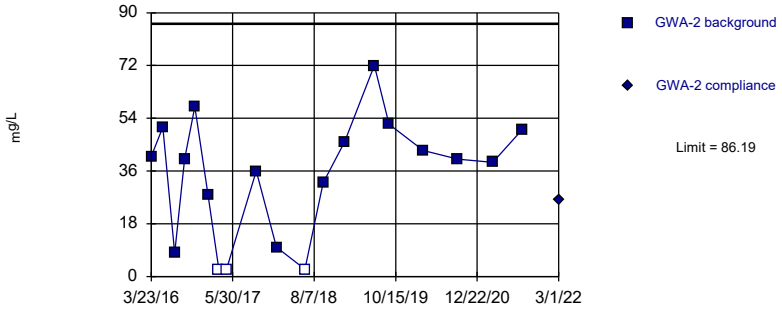
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=33.67, Std. Dev.=19.83, n=19, 15.79% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.917, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

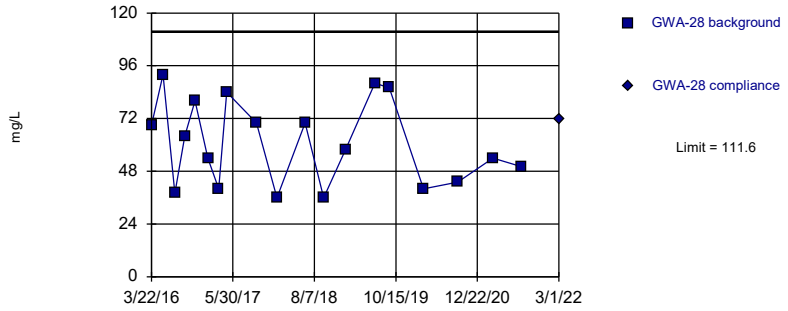
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=60.63, Std. Dev.=19.22, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9187, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III

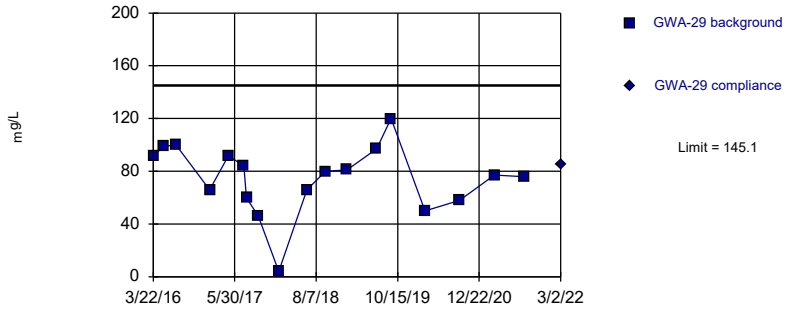
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=74.89, Std. Dev.=26.14, n=18. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9427, critical = 0.897. Kappa = 2.687 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III

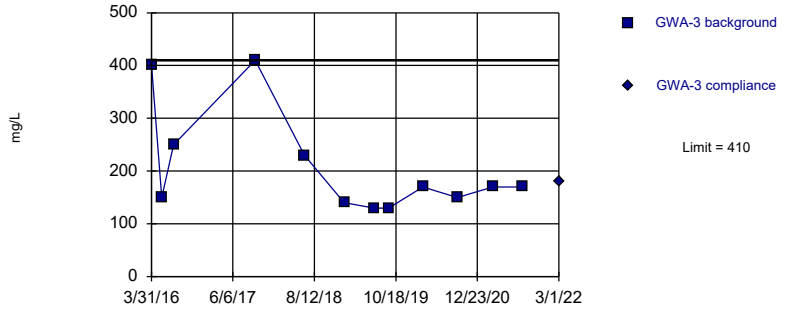
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by 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 0.05 alpha level. Limit is highest of 12 background values. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III

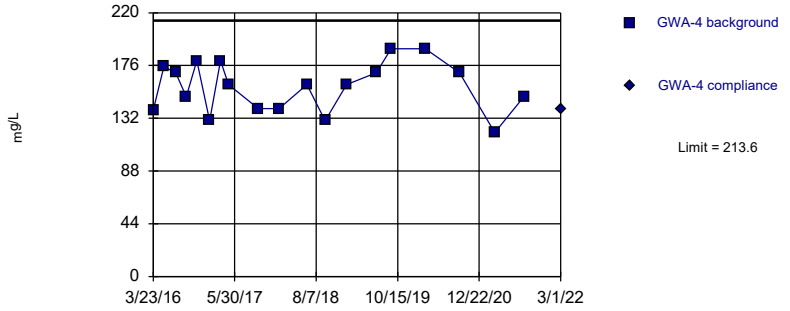
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=158.1, Std. Dev.=20.95, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.957, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III

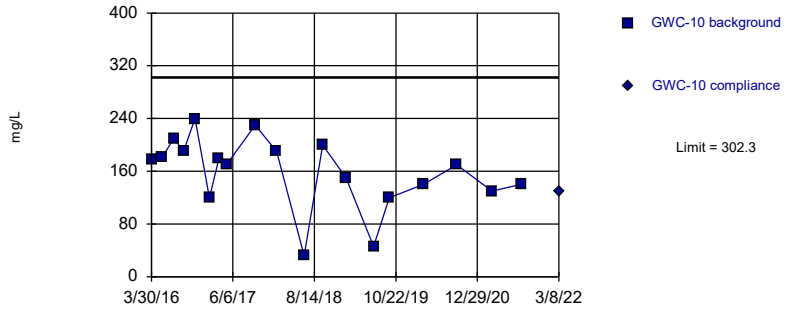
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=158.7, Std. Dev.=54.2, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9242, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

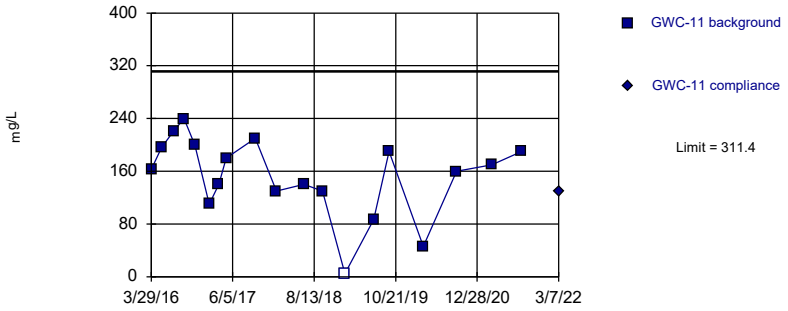
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=153.1, Std. Dev.=59.77, n=19, 5.263% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9355, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III

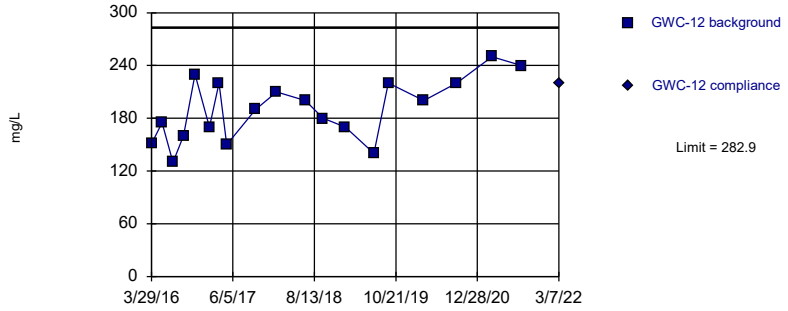
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=189.8, Std. Dev.=35.15, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9684, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III

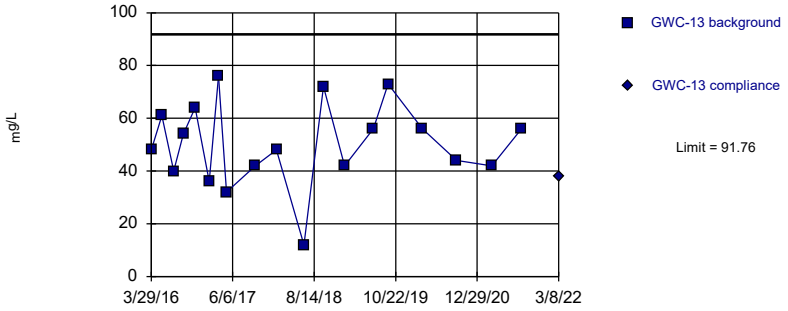
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=50.21, Std. Dev.=15.69, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9628, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

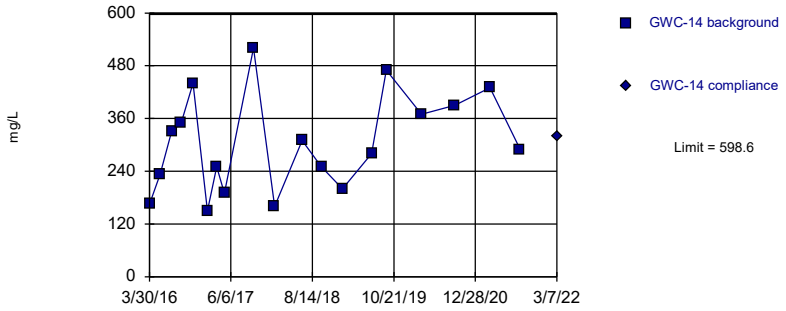
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=304.1, Std. Dev.=111.2, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9583, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III

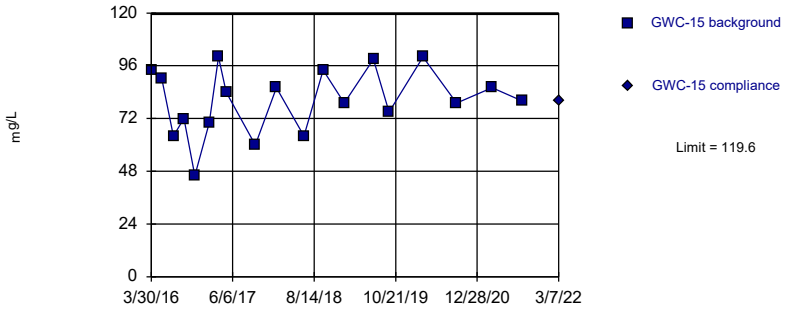
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=80.11, Std. Dev.=14.91, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9568, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III

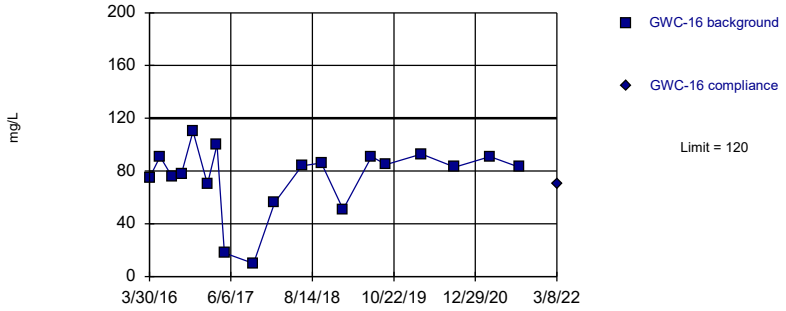
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=6294, Std. Dev.=3060, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9456, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III

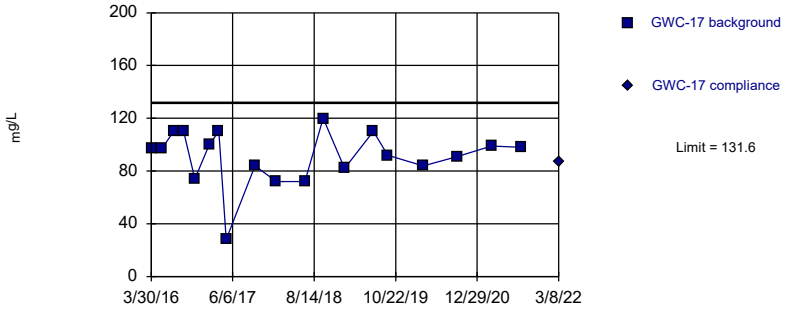
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on square transformation): Mean=8696, Std. Dev.=3256, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9608, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III

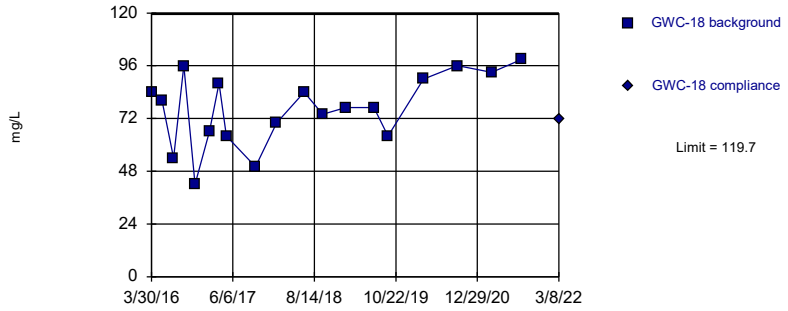
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=76.21, Std. Dev.=16.41, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9559, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

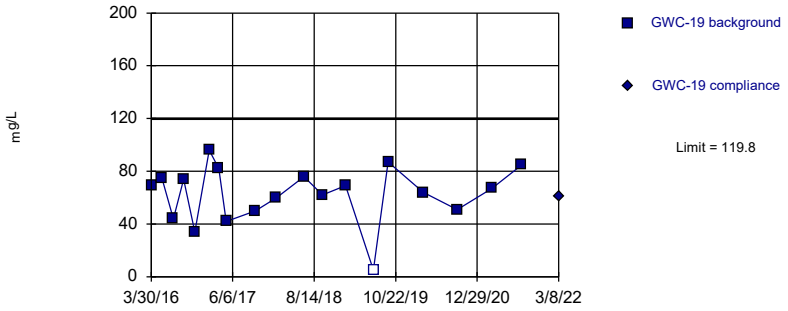
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=62.74, Std. Dev.=21.55, n=19, 5.263% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9456, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III

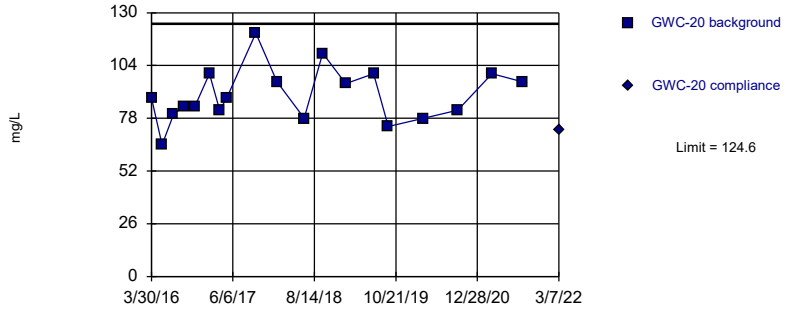
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=89.47, Std. Dev.=13.27, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9687, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:35 PM View: PLs Intra App III

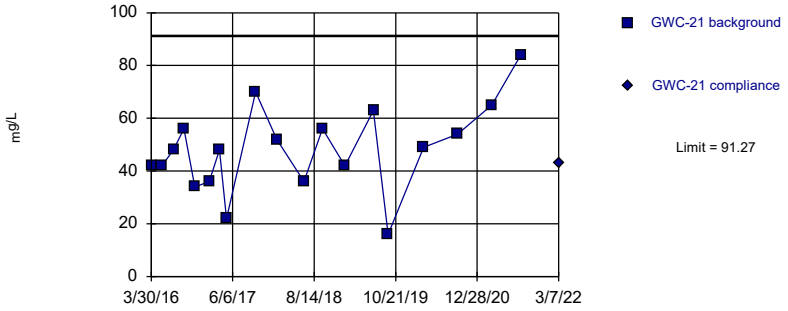
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=48.16, Std. Dev.=16.27, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9852, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:36 PM View: PLs Intra App III

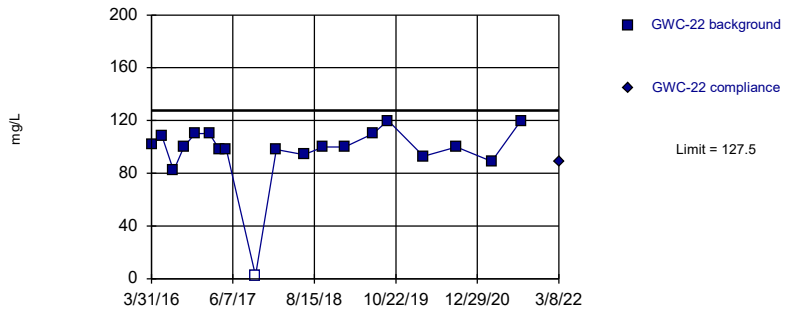
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (based on cube transformation): Mean=1025515, Std. Dev.=395328, n=19, 5.263% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9298, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:36 PM View: PLs Intra App III

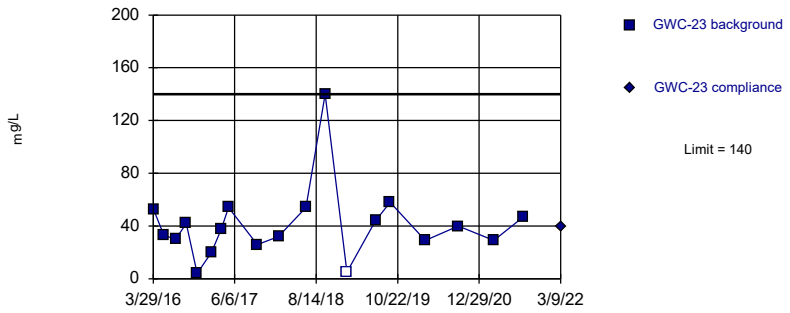
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. 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 0.05 alpha level. Limit is highest of 19 background values. 5.263% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:36 PM View: PLs Intra App III

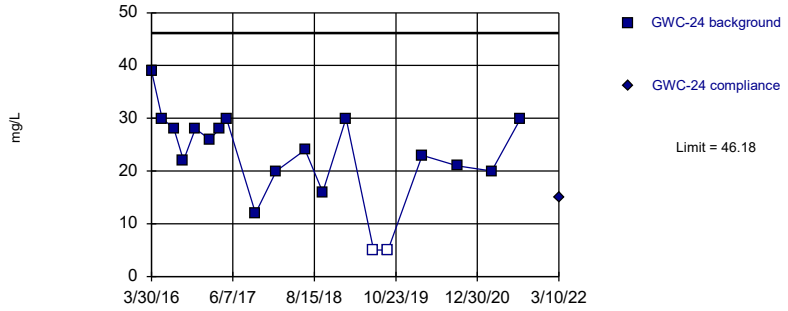
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=23, Std. Dev.=8.75, n=19, 10.53% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9243, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:36 PM View: PLs Intra App III

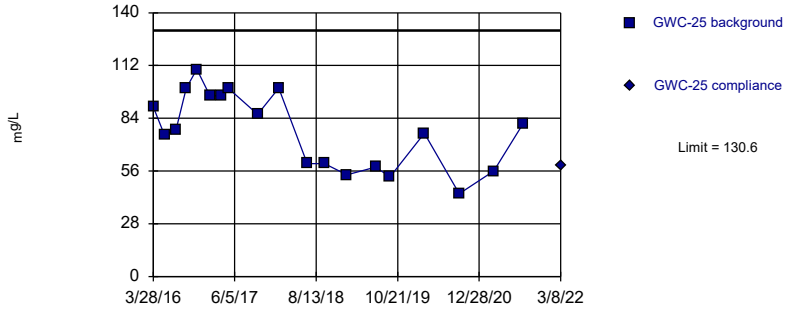
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=77.53, Std. Dev.=20.05, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9333, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:36 PM View: PLs Intra App III

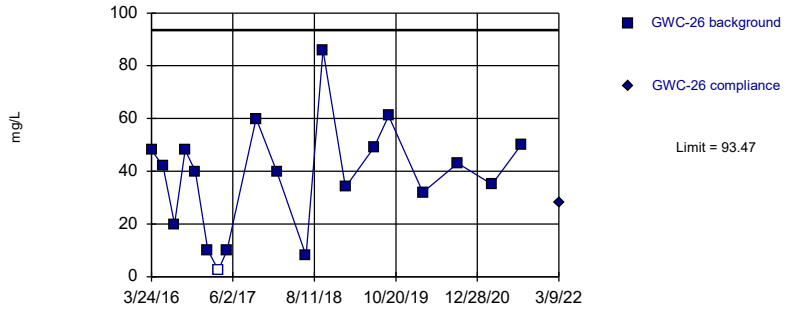
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=37.82, Std. Dev.=21.01, n=19, 5.263% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9521, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

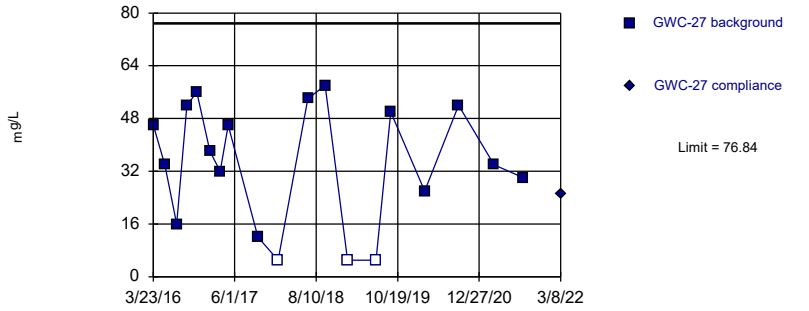
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:36 PM View: PLs Intra App III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=31.53, Std. Dev.=17.11, n=19, 15.79% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9047, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

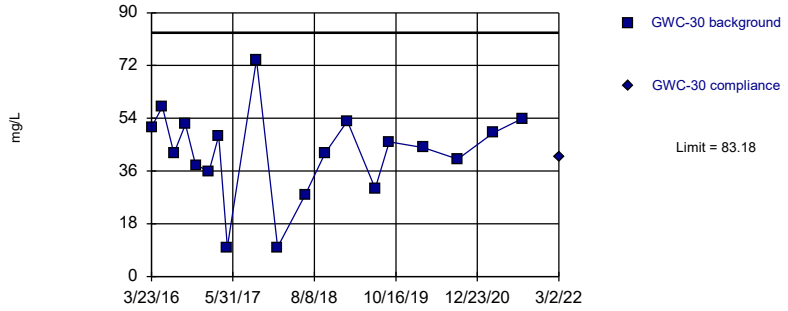
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:36 PM View: PLs Intra App III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=42.37, Std. Dev.=15.41, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9374, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

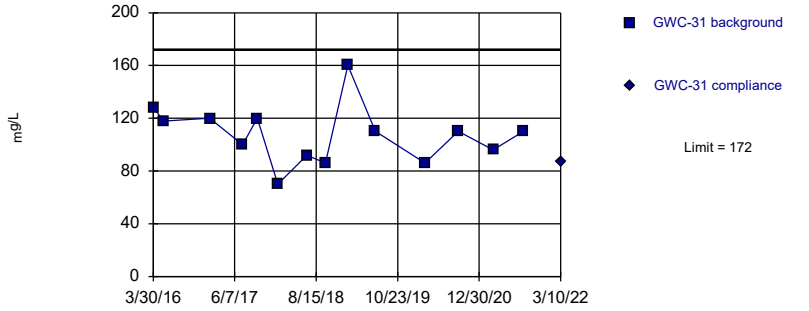
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:36 PM View: PLs Intra App III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=107.6, Std. Dev.=22.15, n=14. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9554, critical = 0.874. Kappa = 2.907 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

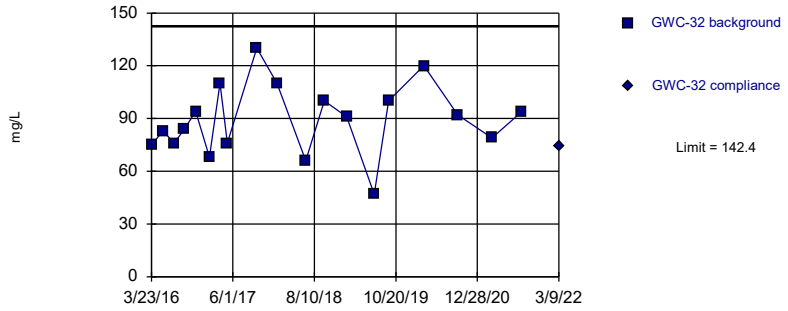
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:36 PM View: PLs Intra App III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=89.21, Std. Dev.=20.08, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9868, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:36 PM View: PLs Intra App III

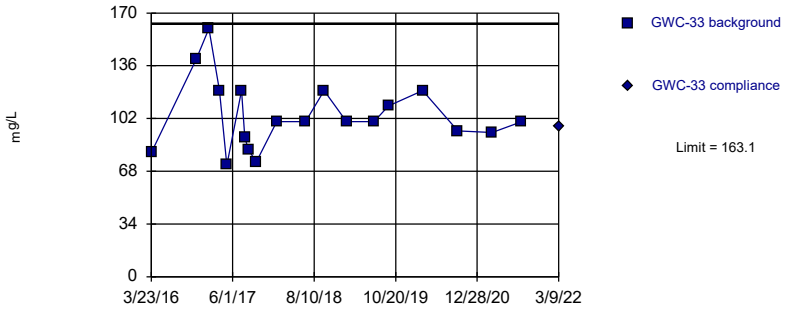
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=103.9, Std. Dev.=22.33, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9342, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:36 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

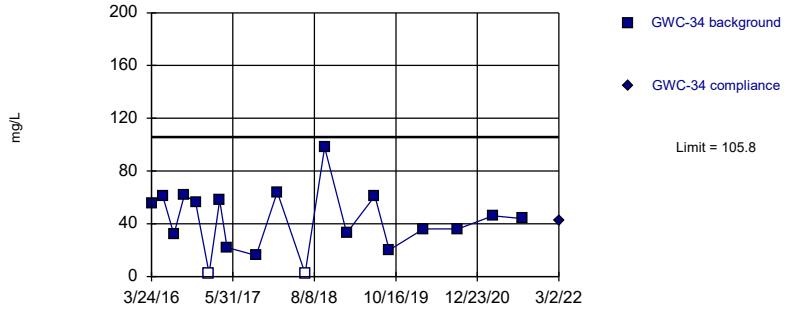
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=42.37, Std. Dev.=23.94, n=19, 10.53% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9566, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:36 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

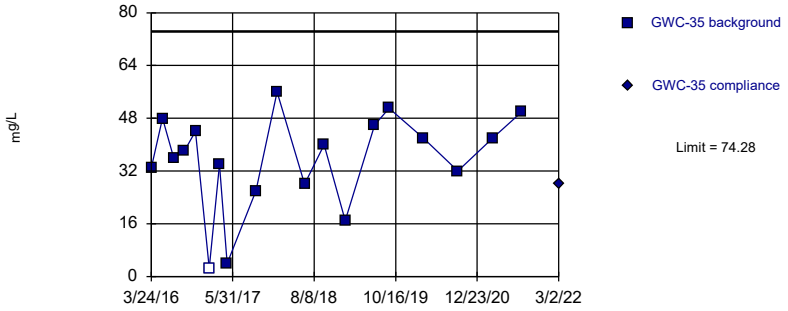
Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=35.24, Std. Dev.=14.74, n=19, 5.263% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9152, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

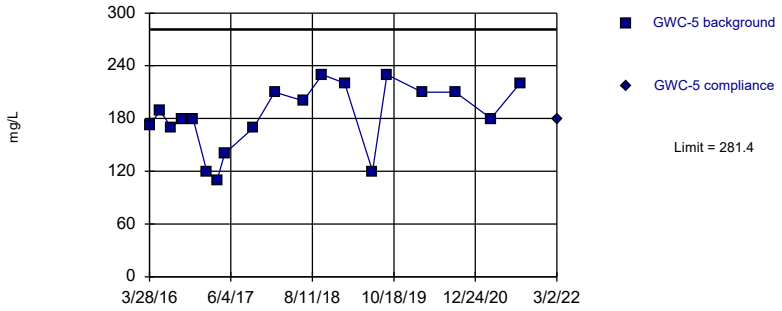
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:36 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=182.2, Std. Dev.=37.46, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.915, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:36 PM View: PLs Intra App III

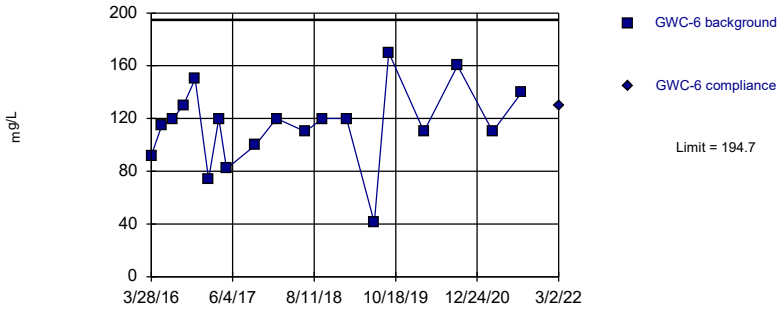
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=114.9, Std. Dev.=30.12, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9572, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:36 PM View: PLs Intra App III

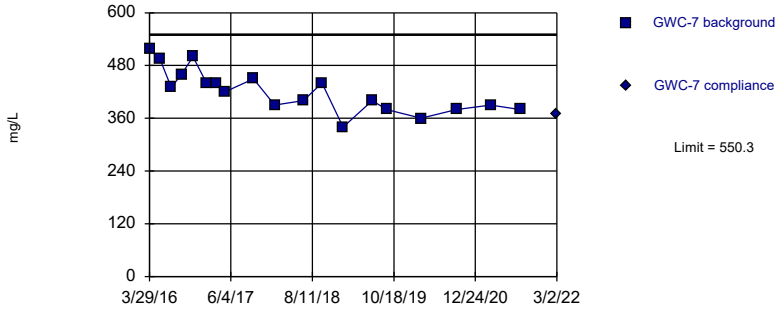
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=421.6, Std. Dev.=48.55, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9604, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:36 PM View: PLs Intra App III

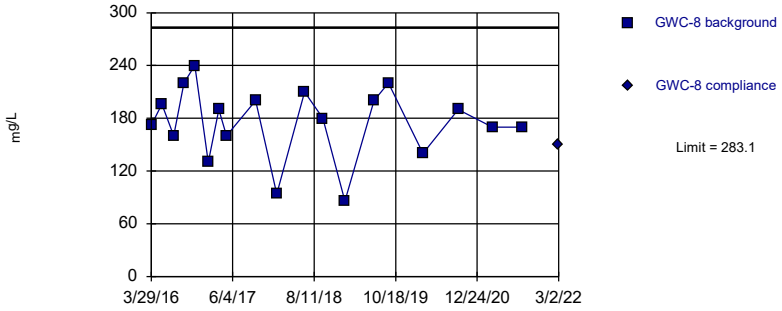
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=175.2, Std. Dev.=40.76, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9445, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

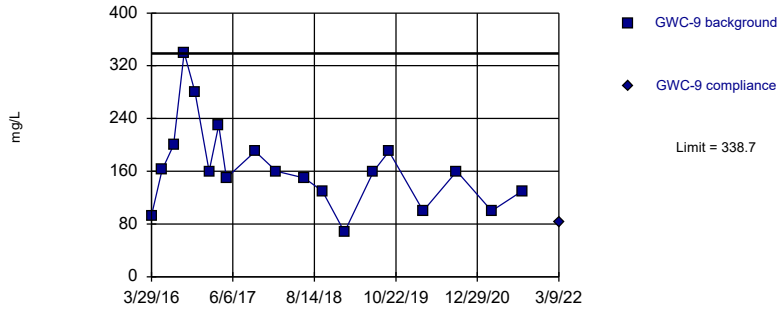
Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:36 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit

Intrawell Parametric



Background Data Summary: Mean=165.9, Std. Dev.=65.23, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9121, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 5/11/2022 2:36 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1	GWA-1
1/21/2016	5.03	
3/23/2016	5.56	
5/20/2016	5.62	
7/21/2016	5.500376	
9/15/2016	5.31	
11/11/2016	5.4	
1/19/2017	5.73	
3/16/2017	5.25	
4/28/2017	5.35	
8/3/2017	5.32 (D)	
1/19/2018	5.39 (D)	
6/19/2018	5.27	
9/25/2018	5.27	
1/17/2019	5.43	
6/24/2019	5.3	
9/9/2019	5.37	
3/10/2020	5.42	
9/9/2020	5.62	
3/15/2021	5.55	
8/16/2021	5.48	
2/28/2022		5.29

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-2	GWA-2
1/20/2016	5.47	
3/23/2016	5.85	
5/24/2016	5.86	
7/26/2016	5.808275	
9/15/2016	7.195292 (O)	
11/10/2016	5.63	
1/19/2017	5.63	
3/17/2017	5.68	
4/28/2017	5.77	
8/2/2017	5.67 (D)	
1/19/2018	5.68 (D)	
6/19/2018	5.84	
9/25/2018	5.52	
1/17/2019	5.81	
6/24/2019	5.75	
9/10/2019	5.63	
3/10/2020	5.72	
9/10/2020	5.41	
3/15/2021	5.44	
8/18/2021	5.58	
3/1/2022		5.65

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28	GWA-28
1/22/2016	6.27	
3/22/2016	6.72	
5/23/2016	6.29	
7/25/2016	6.178217	
9/16/2016	6.545359	
11/9/2016	6	
1/17/2017	6.09	
3/16/2017	5.98	
4/27/2017	5.96	
8/1/2017	6.01 (D)	
1/19/2018	6.15 (D)	
6/19/2018	5.96	
9/25/2018	5.94	
1/21/2019	5.92	
6/25/2019	6.03	
9/10/2019	5.79	
3/10/2020	6.05	
9/9/2020	5.9	
3/15/2021	6.09	
8/16/2021	6.21	
3/1/2022		5.96

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29	GWA-29
1/19/2016	5.92	
3/22/2016	5.92	
5/19/2016	5.95	
7/21/2016	6.049508	
9/15/2016	6.444541	
3/15/2017	5.86	
4/27/2017	5.85	
8/1/2017	5.86 (D)	
1/19/2018	5.83 (D)	
6/19/2018	5.77	
9/25/2018	5.92	
1/18/2019	5.86	
6/25/2019	5.96	
9/10/2019	5.94	
3/10/2020	5.75	
9/9/2020	5.63	
3/15/2021	5.51	
8/18/2021	5.79	
3/2/2022		5.87

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-3	GWA-3
5/25/2016	6.48	
7/27/2016	6.43219	
8/1/2017	6.35 (D)	
6/20/2018	6.28	
1/17/2019	6.06	
6/24/2019	5.68	
6/25/2019	5.58	
9/11/2019	5.49	
3/10/2020	5.53	
9/9/2020	5.39	
3/15/2021	5.28	
8/18/2021	5.32	
3/1/2022		5.7

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-4	GWA-4
5/19/2016	6.45	
7/21/2016	6.449699	
9/14/2016	6.396439	
11/10/2016	6.19	
1/17/2017	6.18	
3/16/2017	6.1	
4/28/2017	6.51	
8/2/2017	6.23 (D)	
1/22/2018	6.3 (D)	
6/19/2018	6.2	
9/25/2018	6.21	
1/17/2019	6.29	
6/24/2019	6.12	
9/10/2019	6.18	
3/10/2020	6.24	
9/9/2020	6.19	
3/15/2021	6	
8/18/2021	6.22	
3/1/2022		6.29

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-10	GWC-10
1/25/2016	6.27	
5/25/2016	6.44	
7/27/2016	6.364588	
9/16/2016	6.202937	
11/17/2016	5.95	
1/31/2017	6.47	
5/2/2017	6.69	
8/8/2017	6.67 (D)	
1/24/2018	6.47 (D)	
6/21/2018	5.76	
9/27/2018	5.5	
1/31/2019	5.75	
6/26/2019	5.78	
9/17/2019	5.55	
3/17/2020	5.96	
9/10/2020	5.31	
12/2/2020	5.72	
3/18/2021	6.13	
8/20/2021	5.68	
3/8/2022		5.9

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-11	GWC-11
1/26/2016	6.11	
3/29/2016	6.59	
5/25/2016	6.31	
7/25/2016	6.287783	
9/19/2016	6.027665	
11/16/2016	6.04	
1/31/2017	5.94	
3/23/2017	6.06	
5/2/2017	5.95	
8/7/2017	6.11 (D)	
1/24/2018	6.17 (D)	
6/20/2018	5.92	
9/27/2018	5.97	
1/24/2019	6.25	
6/26/2019	5.97	
9/16/2019	6.07	
3/16/2020	5.92	
9/10/2020	5.82	
3/17/2021	6.23	
8/23/2021	6.02	
3/7/2022		6.1

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-12	GWC-12
1/26/2016	7.37	
3/29/2016	7.53	
5/25/2016	7.44	
9/15/2016	6.283325	
11/16/2016	6.99	
1/31/2017	7.065 (D)	
3/23/2017	7.41	
5/3/2017	7.32	
8/7/2017	7.25 (D)	
1/24/2018	7.02 (D)	
6/26/2018	7.43	
9/28/2018	7.3	
1/25/2019	7.49	
6/26/2019	7.28	
9/11/2019	7.47	
3/18/2020	7.55	
9/10/2020	7.15	
3/16/2021	7.62	
8/19/2021	7.26	
3/7/2022		7.32

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-13
1/27/2016	6.52	
3/29/2016	7.49	
5/25/2016	6.76	
7/26/2016	6.859244	
9/15/2016	7.565879	
11/17/2016	6.63	
3/23/2017	6.85	
5/3/2017	6.57	
8/4/2017	6.77 (D)	
1/25/2018	6.63 (D)	
6/20/2018	6.66	
10/2/2018	6.91	
1/22/2019	6.61	
6/25/2019	6.54	
9/12/2019	6.73	
3/12/2020	6.68	
9/10/2020	6.69	
3/17/2021	7.19	
8/23/2021	6.52	
3/8/2022		6.93

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-14	GWC-14
1/27/2016	5.88	
3/30/2016	6.01	
5/25/2016	5.52	
7/26/2016	6.066915	
9/15/2016	5.220961	
11/17/2016	5.05	
2/1/2017	5.5	
3/23/2017	5.41	
5/3/2017	5.71	
8/7/2017	5.03 (D)	
1/25/2018	5.64 (D)	
6/20/2018	5.05	
10/1/2018	5.59	
1/22/2019	5.72	
6/25/2019	5.49	
9/12/2019	4.92	
3/17/2020	5.63	
9/10/2020	5	
3/17/2021	5.31	
8/23/2021	5.48	
3/7/2022		5.5

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-15	GWC-15
1/27/2016	6.67	
3/30/2016	6.7	
5/25/2016	6.52	
7/26/2016	6.719922	
9/20/2016	6.519229	
11/17/2016	6.54	
2/1/2017	6.56	
5/3/2017	6.5	
8/4/2017	6.55 (D)	
1/25/2018	6.45 (D)	
6/20/2018	7.24	
10/1/2018	6.5	
1/22/2019	6.48	
6/25/2019	6.43	
9/17/2019	6.54	
3/16/2020	6.58	
9/10/2020	6.31	
3/18/2021	6.92	
8/24/2021	6.43	
3/7/2022		6.5

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-16	GWC-16
1/27/2016	6.03	
5/25/2016	6.22	
7/27/2016	6.30178	
9/16/2016	7.5561 (O)	
11/17/2016	5.9	
2/1/2017	6.14	
3/24/2017	5.99	
5/3/2017	6.06	
8/7/2017	6.12 (D)	
1/25/2018	6.1 (D)	
6/20/2018	6.08	
10/1/2018	6.12	
1/25/2019	6.05	
6/25/2019	6.08	
9/11/2019	6.22	
3/17/2020	6.35	
9/11/2020	5.85	
3/17/2021	6.16	
8/20/2021	5.98	
3/8/2022		6.03

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-17	GWC-17
1/27/2016	6.27	
3/30/2016	6.22	
5/25/2016	6.24	
7/27/2016	6.321385	
9/19/2016	7.948709 (O)	
11/17/2016	6.11	
2/1/2017	6.18	
3/24/2017	6.34	
5/3/2017	6.09	
8/7/2017	6.16 (D)	
1/25/2018	6.2 (D)	
6/26/2018	6.1	
10/2/2018	6.16	
1/24/2019	6.31	
6/25/2019	6.12	
9/11/2019	6.39	
3/17/2020	6.09	
9/14/2020	6.37	
3/16/2021	6.22	
8/20/2021	6.05	
3/8/2022		6.06

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-18	GWC-18
3/30/2016	6.03	
5/26/2016	6.03	
7/25/2016	6.066342	
9/19/2016	6.040669	
2/1/2017	5.98	
3/24/2017	5.85	
5/3/2017	5.92	
8/7/2017	5.98 (D)	
1/25/2018	6.03 (D)	
6/21/2018	5.87	
9/28/2018	5.77	
1/28/2019	6.03	
6/27/2019	5.78	
9/11/2019	6.02	
3/17/2020	5.88	
9/14/2020	5.77	
3/16/2021	6.03	
8/24/2021	5.9	
3/8/2022		6.01

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-19	GWC-19
1/27/2016	6.14	
3/30/2016	6.1	
5/26/2016	5.99	
7/25/2016	6.063209	
9/19/2016	6.276656	
11/17/2016	5.97	
3/24/2017	5.82	
5/3/2017	5.89	
8/7/2017	5.93 (D)	
1/25/2018	5.89 (D)	
6/21/2018	5.78	
9/27/2018	5.82	
1/28/2019	5.96	
6/26/2019	5.78	
9/12/2019	5.92	
3/18/2020	5.71	
9/15/2020	5.72	
3/17/2021	5.95	
8/24/2021	5.78	
3/8/2022		5.81

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-20	GWC-20
1/27/2016	6.08	
3/30/2016	6.27	
5/26/2016	6.23	
7/25/2016	6.3145	
9/20/2016	7.120962	
2/2/2017	6.17	
5/4/2017	6.38	
8/7/2017	6.19 (D)	
1/26/2018	6.16 (D)	
6/21/2018	6.65	
9/27/2018	6.29	
1/28/2019	6.31	
6/25/2019	6.15	
9/11/2019	6.27	
3/18/2020	6.16	
9/15/2020	6.28	
3/16/2021	6.33	
8/24/2021	6.17	
3/7/2022		6.13

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-21	GWC-21
1/26/2016	5.39	
3/30/2016	5.88	
5/26/2016	5.55	
7/26/2016	5.64011	
9/20/2016	6.575025	
11/17/2016	5.56	
3/28/2017	5.36	
5/4/2017	5.55	
8/7/2017	5.61 (D)	
1/26/2018	5.65 (D)	
6/20/2018	5.48	
9/27/2018	5.38	
1/24/2019	6.01	
6/25/2019	5.35	
9/11/2019	5.71	
3/18/2020	5.45	
9/15/2020	5.3	
3/16/2021	5.47	
8/19/2021	5.54	
3/7/2022		5.37

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-22
1/26/2016	6.46	
3/31/2016	6.53	
5/26/2016	6.69	
7/26/2016	6.620398	
9/20/2016	6.696588	
11/17/2016	6.52	
3/28/2017	6.87	
5/3/2017	6.59	
8/8/2017	6.59 (D)	
1/25/2018	6.49 (D)	
6/20/2018	6.42	
10/1/2018	6.7	
1/24/2019	6.69	
6/25/2019	6.59	
9/10/2019	6.44	
3/18/2020	6.85	
9/10/2020	6.86	
3/15/2021	6.78	
8/19/2021	6.58	
3/8/2022		6.41

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-23	GWC-23
1/21/2016	6.24	
3/29/2016	4.87	
5/25/2016	6.11	
9/20/2016	7.295281	
11/18/2016	6.32	
2/3/2017	5.91	
3/28/2017	5.86	
5/4/2017	6.2	
8/8/2017	6.07 (D)	
1/25/2018	6.06 (D)	
6/20/2018	5.84	
10/1/2018	5.96	
1/25/2019	5.97	
6/26/2019	5.86	
9/12/2019	5.93	
3/18/2020	6.06	
9/10/2020	5.8	
3/18/2021	6.02	
8/23/2021	5.9	
3/9/2022		5.5

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-24	GWC-24
1/20/2016	5.41	
5/25/2016	6.46	
7/27/2016	6.119047	
9/16/2016	6.310241	
11/18/2016	5.62	
2/6/2017	5.36	
3/28/2017	5.87	
5/3/2017	7.5	
1/25/2018	5.74 (D)	
6/27/2018	5.51	
9/28/2018	5.28	
1/31/2019	5.28	
6/26/2019	5.59	
9/11/2019	5.21	
3/12/2020	5.33	
9/15/2020	4.97	
3/18/2021	5.16	
8/19/2021	5.1	
3/10/2022		5.14

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-25	GWC-25
1/20/2016	5.98	
3/28/2016	5.1	
5/25/2016	5.7	
7/27/2016	5.966094	
9/19/2016	6.070052	
11/15/2016	6.35	
1/20/2017	6.54	
1/23/2017	6.59	
3/23/2017	7.25	
3/24/2017	6.56	
8/3/2017	6.33 (D)	
1/24/2018	6.12 (D)	
6/27/2018	6.28	
9/26/2018	6.4	
1/24/2019	6	
6/25/2019	5.66	
9/11/2019	5.99	
1/14/2020	6.18	
3/12/2020	6.4	
9/14/2020	5.47	
3/17/2021	5.97	
8/19/2021	5.97	
3/8/2022		6.24

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-26	GWC-26
3/24/2016	5.64	
5/24/2016	5.78	
7/26/2016	6.038068	
9/20/2016	5.701864	
11/14/2016	5.64	
1/19/2017	5.7	
3/16/2017	5.58	
5/1/2017	5.78	
8/3/2017	5.61 (D)	
1/22/2018	6 (D)	
6/27/2018	5.59	
9/27/2018	5.68	
1/24/2019	5.78	
6/25/2019	5.63	
9/12/2019	5.63	
3/13/2020	5.52	
9/15/2020	5.63	
3/17/2021	5.61	
8/19/2021	5.69	
3/9/2022		5.69

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-27	GWC-27
1/22/2016	5.35	
3/23/2016	5.57	
5/24/2016	5.58	
7/26/2016	5.614371	
9/19/2016	5.506855	
11/11/2016	5.88	
1/20/2017	5.71	
3/16/2017	5.37	
4/28/2017	5.89	
8/3/2017	5.65 (D)	
1/19/2018	5.53 (D)	
6/27/2018	5.58	
9/27/2018	5.7	
1/24/2019	5.39	
6/26/2019	5.72	
9/12/2019	5.36	
3/12/2020	5.36	
9/9/2020	5.63	
3/18/2021	5.39	
8/23/2021	5.35	
3/8/2022		5.57

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-30	GWC-30
1/19/2016	5.9	
3/23/2016	6.78	
5/20/2016	6.05	
7/21/2016	6.188237	
9/20/2016	6.075727	
11/14/2016	5.93	
1/24/2017	6.03 (D)	
3/17/2017	5.94	
5/1/2017	6	
8/4/2017	6.01 (D)	
1/24/2018	6.29 (D)	
6/21/2018	5.95	
10/3/2018	6.38	
1/30/2019	6.08	
6/27/2019	6.08	
9/10/2019	6.63	
3/11/2020	6.04	
9/10/2020	6.59	
3/18/2021	5.77	
8/23/2021	5.96	
3/2/2022		6.07

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-31	GWC-31
1/25/2016	5.98	
5/25/2016	6.3	
7/27/2016	6.327805	
1/24/2017	5.93	
2/6/2017	6.04	
3/28/2017	6.06	
5/1/2017	6.24	
8/3/2017	5.98 (D)	
1/22/2018	5.99 (D)	
6/27/2018	5.99	
10/3/2018	6.2	
1/31/2019	6.03	
6/26/2019	6.18	
9/11/2019	6.34	
1/14/2020	6.04	
3/17/2020	6.15	
9/11/2020	6.01	
3/16/2021	5.89	
8/25/2021	6.01	
3/10/2022		6.02

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-32	GWC-32
1/25/2016	6.13	
3/23/2016	6.22	
5/23/2016	5.99	
7/22/2016	7.552699 (O)	
9/16/2016	6.260319	
11/15/2016	6.22	
1/25/2017	6.17	
5/1/2017	6.18	
8/3/2017	6.32 (D)	
1/22/2018	6.19 (D)	
6/26/2018	5.97	
10/2/2018	6.06	
1/30/2019	6.12	
6/27/2019	6.11	
9/12/2019	6.08	
1/14/2020	6.11	
3/18/2020	6.13	
9/15/2020	5.88	
3/17/2021	6.14	
8/24/2021	6.12	
3/9/2022		6.11

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-33
1/25/2016	6.23	
3/23/2016	6.7	
5/24/2016	6.26	
7/22/2016	6.956045	
9/16/2016	6.411956	
11/16/2016	6.15	
1/25/2017	6.09	
3/22/2017	6.18	
5/1/2017	6.45	
8/3/2017	6.52 (D)	
1/22/2018	6.22 (D)	
6/26/2018	6.15	
10/2/2018	6.47	
1/30/2019	6.41	
6/26/2019	6.3	
9/12/2019	6.5	
3/12/2020	6.37	
9/16/2020	5.71	
3/18/2021	6.41	
8/24/2021	6.32	
3/9/2022		5.85

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-34	GWC-34
1/21/2016	5.51	
3/24/2016	6.66	
5/23/2016	5.92	
7/21/2016	6.008569	
9/15/2016	5.982305	
11/15/2016	6.03	
1/25/2017	5.92	
3/22/2017	5.66	
5/1/2017	5.88	
8/3/2017	5.98 (D)	
1/23/2018	6.11 (D)	
6/20/2018	5.97	
10/2/2018	5.86	
1/28/2019	6.08	
6/26/2019	5.8	
9/11/2019	5.92	
3/11/2020	5.93	
9/11/2020	5.68	
3/16/2021	5.78	
8/24/2021	5.93	
3/2/2022		5.91

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-35	GWC-35
1/21/2016	5.19	
3/24/2016	6.32	
5/25/2016	5.58	
7/21/2016	5.701591	
9/15/2016	5.629095	
11/15/2016	5.66	
1/26/2017	5.61	
3/22/2017	5.42	
5/2/2017	5.72	
8/3/2017	5.65 (D)	
1/23/2018	5.64 (D)	
6/19/2018	5.59	
10/1/2018	5.55	
1/21/2019	5.53	
6/26/2019	5.55	
9/12/2019	5.68	
3/11/2020	5.62	
9/11/2020	5.4	
3/16/2021	5.44	
8/18/2021	5.53	
3/2/2022		5.73

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-5	GWC-5
1/20/2016	6.15	
3/28/2016	7.05	
5/23/2016	6.47	
7/21/2016	6.424029	
9/15/2016	7.042684	
11/15/2016	6.29	
1/26/2017	6.29	
5/2/2017	6.98	
8/3/2017	6.18 (D)	
1/23/2018	6.44 (D)	
6/25/2018	6.42	
10/3/2018	6.33	
1/30/2019	6.94	
6/26/2019	6.42	
9/12/2019	6.34	
3/16/2020	6.35	
9/9/2020	6.4	
3/17/2021	6.22	
8/19/2021	6.42	
3/2/2022		6.31

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-6	GWC-6
1/20/2016	5.97	
3/28/2016	6.5	
5/24/2016	6	
7/21/2016	6.08222	
9/15/2016	6.383623	
11/16/2016	5.99	
1/26/2017	6.12	
5/2/2017	5.86	
8/3/2017	5.92 (D)	
1/23/2018	6.08 (D)	
6/25/2018	5.86	
9/25/2018	5.87	
1/30/2019	5.99	
6/26/2019	5.82	
9/12/2019	6	
3/16/2020	5.86	
9/11/2020	5.71	
3/17/2021	6.1	
8/18/2021	5.9	
3/2/2022		5.89

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-7	GWC-7
1/20/2016	6.23	
3/29/2016	6.42	
5/24/2016	6.38	
7/22/2016	6.438562	
9/15/2016	6.347438	
11/16/2016	6.35	
1/26/2017	6.45	
5/2/2017	6.32	
8/4/2017	6.35 (D)	
1/23/2018	6.55 (D)	
6/25/2018	6.26	
10/2/2018	6.31	
1/21/2019	6.33	
6/25/2019	6.23	
9/10/2019	6.3	
3/12/2020	6.45	
9/14/2020	6.14	
3/16/2021	6.5	
8/19/2021	6.38	
3/2/2022		6.4

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-8	GWC-8
1/26/2016	5.99	
3/29/2016	6.45	
5/24/2016	6.17	
7/26/2016	6.291124	
9/19/2016	6.550086	
11/16/2016	5.96	
1/26/2017	6.14	
3/23/2017	5.95	
5/2/2017	6.11	
8/7/2017	6.02 (D)	
1/24/2018	5.91 (D)	
6/21/2018	5.9	
9/26/2018	5.9	
1/22/2019	5.95	
6/25/2019	5.85	
9/10/2019	5.9	
1/13/2020	5.89	
3/12/2020	5.86	
9/14/2020	5.64	
3/16/2021	5.99	
8/20/2021	5.91	
3/2/2022		5.89

Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-9	GWC-9
3/29/2016	5.86	
5/24/2016	5.81	
7/25/2016	5.876175	
9/19/2016	6.323668	
1/31/2017	5.75	
3/23/2017	5.97	
5/2/2017	6.11	
8/7/2017	5.78 (D)	
1/24/2018	5.98 (D)	
6/21/2018	5.68	
9/26/2018	5.71	
1/22/2019	5.8	
6/25/2019	5.71	
9/16/2019	5.69	
3/16/2020	5.8	
9/11/2020	5.4	
3/16/2021	5.78	
8/25/2021	5.55	
3/9/2022		5.53

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1	GWA-1
3/23/2016	<1	
5/20/2016	<1	
7/21/2016	<1	
9/15/2016	<1	
11/11/2016	<1	
1/19/2017	<1	
3/16/2017	<1	
4/28/2017	<1	
10/4/2017	<1	
1/19/2018	<1	
6/19/2018	<1	
9/25/2018	<1	
1/17/2019	0.5 (J)	
6/24/2019	<1	
9/9/2019	<1	
3/10/2020	1.7	
9/9/2020	<1	
3/15/2021	<1	
8/16/2021	<1	
2/28/2022		<1

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-2	GWA-2
3/23/2016	1.001	
5/24/2016	0.576 (J)	
7/26/2016	0.91 (J)	
9/16/2016	0.87 (J)	
11/10/2016	0.79 (J)	
1/19/2017	0.87 (J)	
3/17/2017	1.8	
4/28/2017	1.7	
10/3/2017	1.9	
1/19/2018	1.8	
6/19/2018	1	
9/25/2018	0.78 (J)	
1/17/2019	2.5	
6/24/2019	0.91 (J)	
9/10/2019	0.9 (J)	
3/10/2020	2.5	
9/10/2020	1	
3/15/2021	1.5	
8/18/2021	0.9 (J)	
3/1/2022		2

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28	GWA-28
3/22/2016	1.1423	
5/23/2016	1.44	
7/25/2016	1.1	
9/15/2016	0.99 (J)	
11/9/2016	1.1	
1/17/2017	0.85 (J)	
3/16/2017	1.2	
4/27/2017	<1	
10/3/2017	1.4	
1/19/2018	1.1	
6/19/2018	0.94 (J)	
9/25/2018	1.3	
1/21/2019	1.6	
6/25/2019	2.2	
9/10/2019	1.3	
3/10/2020	3	
9/9/2020	1.4	
3/15/2021	0.95 (J)	
8/16/2021	1.1	
3/1/2022		1

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29	GWA-29
3/22/2016	8.4662	
5/19/2016	10	
7/21/2016	13	
1/17/2017	7.6	
4/27/2017	8	
7/18/2017	6	
8/1/2017	7.7	
10/3/2017	7	
1/19/2018	5.7	
6/19/2018	7	
9/25/2018	9.1	
1/18/2019	6.4	
6/25/2019	26	
9/10/2019	9.2	
3/10/2020	6	
9/9/2020	6.5	
3/15/2021	6.8	
8/18/2021	6.7	
3/2/2022		6

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-3	GWA-3
3/31/2016	202.982	
5/25/2016	95.7	
7/27/2016	110	
10/3/2017	150	
6/20/2018	100	
1/18/2019	34	
6/25/2019	<1	
9/11/2019	43	
3/10/2020	16	
9/9/2020	29	
3/15/2021	36	
8/18/2021	51	
3/1/2022		64

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-4	GWA-4
3/23/2016	9.0208	
5/19/2016	10	
7/21/2016	10	
9/14/2016	9.7	
11/10/2016	8.1	
1/17/2017	15	
3/16/2017	9.1	
4/27/2017	9.6	
10/3/2017	9.8	
1/22/2018	10	
6/19/2018	10	
9/25/2018	9.7	
1/17/2019	9.4	
6/24/2019	10	
9/10/2019	11	
3/10/2020	12	
9/9/2020	9.4	
3/15/2021	7.7	
8/18/2021	9.7	
3/1/2022		9.6

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-10	GWC-10
3/30/2016	24.0688	
5/25/2016	20.1	
7/27/2016	28	
9/16/2016	29	
11/17/2016	40	
2/1/2017	40	
3/24/2017	28	
5/3/2017	38	
10/4/2017	45	
1/25/2018	33	
6/21/2018	21	
9/27/2018	28	
1/31/2019	20	
6/26/2019	13	
9/17/2019	12	
3/17/2020	16	
9/10/2020	17	
3/18/2021	11	
8/20/2021	10	
3/8/2022		13

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-11	GWC-11
3/29/2016	<1	
5/25/2016	<1	
7/25/2016	<1	
9/19/2016	<1	
11/16/2016	<1	
1/31/2017	3.7 (o)	
3/23/2017	1.5	
5/2/2017	<1	
10/4/2017	<1	
1/24/2018	<1	
6/20/2018	<1	
9/27/2018	<1	
1/24/2019	0.77 (J)	
6/26/2019	0.47 (J)	
9/16/2019	<1	
3/16/2020	0.44 (J)	
9/10/2020	<1	
3/17/2021	<1	
8/23/2021	<1	
3/7/2022		<1

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-12	GWC-12
3/29/2016	19.1889	
5/25/2016	19.8	
7/22/2016	20	
9/15/2016	20	
11/16/2016	19	
1/31/2017	23	
3/23/2017	23	
5/3/2017	22	
10/4/2017	22	
1/24/2018	22	
6/26/2018	23	
9/28/2018	24	
1/25/2019	25	
6/26/2019	25	
9/11/2019	26	
3/18/2020	25	
9/10/2020	26	
3/16/2021	29	
8/19/2021	33	
3/7/2022		40

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-13
3/29/2016	2.8316	
5/25/2016	2.62	
7/26/2016	2.7	
9/15/2016	2.6	
11/17/2016	2.2	
1/31/2017	2.6	
3/23/2017	2.6	
5/3/2017	2.6	
10/5/2017	2.5	
1/25/2018	2.5	
6/20/2018	2.5	
10/2/2018	2.7	
1/22/2019	2.8	
6/25/2019	3	
9/12/2019	2.2	
3/12/2020	4.5	
9/10/2020	2.3	
3/17/2021	2.5	
8/23/2021	2	
3/8/2022		3.3

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-14	GWC-14
3/30/2016	7.2023	
5/25/2016	10.5	
7/26/2016	38	
9/15/2016	13	
11/17/2016	18	
2/1/2017	8.2	
3/23/2017	10	
5/3/2017	10	
10/4/2017	22	
1/25/2018	9.9	
6/20/2018	18	
10/1/2018	11	
1/22/2019	13	
6/25/2019	13	
9/12/2019	22	
3/17/2020	12	
9/10/2020	17	
3/17/2021	16	
8/23/2021	8.6	
3/7/2022		16

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-15	GWC-15
3/30/2016	1.7296	
5/25/2016	1.52	
7/26/2016	1.2	
9/20/2016	0.85 (J)	
11/17/2016	0.83 (J)	
2/1/2017	1.9	
3/23/2017	1.6	
5/3/2017	1.3	
10/4/2017	1.4	
1/25/2018	1.4	
6/20/2018	2.1	
10/1/2018	1.4	
1/22/2019	2	
6/25/2019	2	
9/17/2019	1.4	
3/16/2020	2.3	
9/10/2020	1.2	
3/18/2021	1.7	
8/24/2021	2	
3/7/2022		3.1

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-16	GWC-16
3/30/2016	0.5433 (J)	
5/25/2016	0.4393 (J)	
7/27/2016	<1	
9/16/2016	<1	
11/17/2016	<1	
2/1/2017	<1	
3/24/2017	<1	
5/3/2017	<1	
10/5/2017	<1	
1/25/2018	<1	
6/20/2018	<1	
10/1/2018	<1	
1/25/2019	0.66 (J)	
6/25/2019	0.84 (J)	
9/11/2019	0.6 (J)	
3/17/2020	0.84 (J)	
9/11/2020	0.4 (J)	
3/17/2021	<1	
8/20/2021	1	
3/8/2022		1.1

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-17	GWC-17
3/30/2016	0.8313 (J)	
5/25/2016	0.195 (J)	
7/27/2016	0.7 (J)	
9/19/2016	<1	
11/17/2016	0.75 (J)	
2/1/2017	<1	
3/24/2017	<1	
5/3/2017	<1	
10/4/2017	<1	
1/25/2018	<1	
6/26/2018	<1	
10/2/2018	<1	
1/24/2019	0.88 (J)	
6/25/2019	1.1	
9/11/2019	0.99 (J)	
3/17/2020	1.2	
9/14/2020	0.92 (J)	
3/16/2021	<1	
8/20/2021	1.1	
3/8/2022		1

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-18	GWC-18
3/30/2016	0.6239 (J)	
5/26/2016	0.598 (J)	
7/25/2016	<1	
9/19/2016	<1	
11/17/2016	<1	
2/1/2017	<1	
3/24/2017	<1	
5/3/2017	<1	
10/5/2017	<1	
1/25/2018	<1	
6/21/2018	<1	
9/28/2018	<1	
1/28/2019	0.69 (J)	
6/27/2019	0.85 (J)	
9/11/2019	0.7 (J)	
3/17/2020	1	
9/14/2020	0.7 (J)	
3/16/2021	<1	
8/24/2021	0.89 (J)	
3/8/2022		1.1

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-19	GWC-19
3/30/2016	2.3237	
5/26/2016	0.574 (J)	
7/25/2016	<1	
9/19/2016	<1	
11/17/2016	<1	
2/2/2017	8.6 (o)	
3/24/2017	2.5	
5/3/2017	0.88 (J)	
10/5/2017	0.81 (J)	
1/25/2018	0.77 (J)	
6/21/2018	<1	
9/27/2018	<1	
1/28/2019	1.2	
6/26/2019	0.88 (J)	
9/12/2019	0.39 (J)	
3/18/2020	1.1	
9/15/2020	0.53 (J)	
3/17/2021	<1	
8/24/2021	2.5	
3/8/2022		0.94 (J)

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-20	GWC-20
3/30/2016	1.0356	
5/26/2016	0.979 (J)	
7/25/2016	0.94 (J)	
9/20/2016	0.83 (J)	
11/17/2016	0.71 (J)	
2/2/2017	0.82 (J)	
3/28/2017	0.75 (J)	
5/4/2017	1.1	
10/6/2017	0.79 (J)	
1/26/2018	<1	
6/21/2018	1.3	
9/27/2018	1.2	
1/28/2019	0.9 (J)	
6/25/2019	0.99 (J)	
9/11/2019	1.1	
3/18/2020	0.72 (J)	
9/15/2020	0.83 (J)	
3/16/2021	<1	
8/24/2021	0.88 (J)	
3/7/2022		1.3

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-21	GWC-21
3/30/2016	0.3269 (J)	
5/26/2016	<1	
7/26/2016	<1	
9/20/2016	<1	
11/17/2016	<1	
2/2/2017	<1	
3/28/2017	<1	
5/4/2017	<1	
10/6/2017	<1	
1/26/2018	<1	
6/20/2018	<1	
9/27/2018	<1	
1/24/2019	<1	
6/25/2019	<1	
9/11/2019	0.42 (J)	
3/18/2020	<1	
9/15/2020	<1	
3/16/2021	<1	
8/19/2021	<1	
3/7/2022		1.1

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-22
3/31/2016	0.3648 (J)	
5/26/2016	0.562 (J)	
7/26/2016	<1	
9/20/2016	<1	
11/17/2016	<1	
2/3/2017	<1	
3/28/2017	<1	
5/3/2017	<1	
10/5/2017	<1	
1/25/2018	<1	
6/20/2018	<1	
10/1/2018	<1	
1/24/2019	0.81 (J)	
6/25/2019	0.76 (J)	
9/10/2019	<1	
3/18/2020	0.65 (J)	
9/10/2020	0.54 (J)	
3/15/2021	<1	
8/19/2021	1.2	
3/8/2022		<1

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-23	GWC-23
3/29/2016	0.5302 (J)	
5/25/2016	0.3659 (J)	
7/27/2016	<1	
9/20/2016	<1	
11/18/2016	<1	
2/3/2017	<1	
3/28/2017	<1	
5/4/2017	<1	
10/5/2017	<1	
1/25/2018	<1	
6/20/2018	<1	
10/1/2018	<1	
1/25/2019	0.38 (J)	
6/26/2019	0.64 (J)	
9/12/2019	0.54 (J)	
3/18/2020	<1	
9/10/2020	<1	
3/18/2021	<1	
8/23/2021	<1	
3/9/2022		0.76 (J)

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-24	GWC-24
3/30/2016	1.0189	
5/25/2016	0.6811 (J)	
7/27/2016	<1	
9/16/2016	<1	
11/18/2016	<1	
2/3/2017	<1	
3/29/2017	<1	
5/4/2017	<1	
10/5/2017	<1	
1/25/2018	<1	
6/27/2018	<1	
9/28/2018	<1	
1/31/2019	<1	
6/26/2019	0.71 (J)	
9/11/2019	0.59 (J)	
3/12/2020	2.3	
9/15/2020	0.53 (J)	
3/18/2021	<1	
8/19/2021	0.77 (J)	
3/10/2022		0.83 (J)

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-25	GWC-25
3/28/2016	8.3151	
5/26/2016	4.31	
7/27/2016	6.1	
9/19/2016	11	
11/15/2016	18	
1/24/2017	26	
3/23/2017	23	
5/2/2017	27	
10/5/2017	16	
1/25/2018	15	
6/27/2018	12	
9/26/2018	12	
1/24/2019	1.4	
6/25/2019	1.6	
9/11/2019	5.7	
3/12/2020	9.7	
9/14/2020	3.8	
3/17/2021	7.2	
8/19/2021	7.2	
3/8/2022		5.4

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-26	GWC-26
3/24/2016	0.4337 (J)	
5/25/2016	0.3421 (J)	
7/26/2016	<1	
9/19/2016	<1	
11/14/2016	<1	
1/19/2017	<1	
3/16/2017	<1	
5/1/2017	<1	
10/4/2017	<1	
1/22/2018	<1	
6/27/2018	<1	
9/27/2018	<1	
1/24/2019	0.57 (J)	
6/25/2019	0.78 (J)	
9/12/2019	<1	
3/13/2020	1.8	
9/15/2020	0.45 (J)	
3/17/2021	<1	
8/19/2021	0.82 (J)	
3/9/2022		<1

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-27	GWC-27
3/23/2016	1.3897	
5/24/2016	0.598 (J)	
7/26/2016	3	
9/19/2016	1.6	
11/11/2016	3	
1/20/2017	2.2	
3/16/2017	0.95 (J)	
4/28/2017	2.1	
10/3/2017	<1	
1/19/2018	1.4	
6/27/2018	1.7	
9/27/2018	2.5	
1/24/2019	0.39 (J)	
6/26/2019	3.2	
9/12/2019	0.82 (J)	
3/12/2020	2	
9/9/2020	2.4	
3/18/2021	2.3	
8/23/2021	0.78 (J)	
3/8/2022		1.6

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-30	GWC-30
3/23/2016	1.3729	
5/20/2016	1.31	
7/21/2016	1.3	
9/20/2016	1.3	
11/14/2016	1.1	
1/24/2017	1.3	
3/17/2017	1.3	
5/1/2017	1.2	
10/4/2017	1.2	
1/24/2018	1	
6/21/2018	1	
10/3/2018	1.2	
1/30/2019	1.2	
6/27/2019	1.7	
9/10/2019	1.3	
3/11/2020	3.3	
9/10/2020	1	
3/18/2021	1.1	
8/23/2021	1.2	
3/2/2022		1.4

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-31	GWC-31
3/30/2016	15.0114	
5/25/2016	19.1	
1/25/2017	13	
7/19/2017	15	
10/6/2017	19	
1/23/2018	15	
6/27/2018	14	
10/3/2018	18	
1/31/2019	10	
6/26/2019	9.9	
3/17/2020	7.3	
9/11/2020	15	
3/16/2021	11	
8/25/2021	12	
3/10/2022		8.9

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-32	GWC-32
3/23/2016	12.8473	
5/24/2016	13.5	
7/22/2016	12	
9/16/2016	12	
11/15/2016	13	
1/26/2017	9.2	
3/24/2017	9.2	
5/2/2017	9	
10/6/2017	8.8	
1/23/2018	9.4	
6/26/2018	12	
10/2/2018	9.7	
1/30/2019	11	
6/27/2019	9.9	
9/12/2019	9.7	
3/18/2020	8.8	
9/15/2020	9.9	
3/17/2021	9.1	
8/24/2021	10	
3/9/2022		7.6

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-33
3/23/2016	19.6956	
11/17/2016	22	
1/25/2017	50 (o)	
3/23/2017	28	
5/1/2017	25	
7/19/2017	22	
8/4/2017	25	
8/24/2017	19	
10/5/2017	18	
1/23/2018	14	
6/26/2018	9.2	
10/2/2018	11	
1/30/2019	14	
6/26/2019	10	
9/12/2019	12	
3/12/2020	11	
9/16/2020	7	
3/18/2021	9.1	
8/24/2021	8.1	
3/9/2022		7.4

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-34	GWC-34
3/24/2016	1.8782	
5/23/2016	1.44	
7/21/2016	1.6	
9/15/2016	1.6	
11/15/2016	1.3	
1/25/2017	1.5	
3/22/2017	1.5	
5/1/2017	1.4	
10/3/2017	1.4	
1/23/2018	1.2	
6/20/2018	1.7	
10/2/2018	1.4	
1/28/2019	1.6	
6/26/2019	1.9	
9/11/2019	1.6	
3/11/2020	3.8	
9/11/2020	1.2	
3/16/2021	1.3	
8/24/2021	1.4	
3/2/2022		1.6

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-35	GWC-35
3/24/2016	2.7482	
5/23/2016	2.76	
7/21/2016	2.8	
9/15/2016	2.4	
11/15/2016	2.3	
1/26/2017	2.7	
3/22/2017	2.4	
5/2/2017	2.5	
10/3/2017	2.5	
1/23/2018	2.4	
6/19/2018	2.7	
10/1/2018	2.8	
1/21/2019	2.7	
6/26/2019	2.8	
9/12/2019	2.3	
3/11/2020	4.7	
9/11/2020	2	
3/16/2021	2.2	
8/18/2021	2.7	
3/2/2022		3.2

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-5	GWC-5
3/28/2016	19.9405	
5/23/2016	21	
7/21/2016	17	
9/15/2016	16	
11/15/2016	15	
1/26/2017	13	
3/22/2017	13	
5/2/2017	25	
10/3/2017	21	
1/23/2018	26	
6/25/2018	30	
10/3/2018	29	
1/30/2019	31	
6/26/2019	31	
9/12/2019	34	
3/16/2020	29	
9/9/2020	27	
3/17/2021	26	
8/19/2021	29	
3/2/2022		28

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-6	GWC-6
3/28/2016	11.0351	
5/24/2016	12.8	
7/21/2016	16	
9/15/2016	15	
11/16/2016	15	
1/26/2017	16	
3/22/2017	13	
5/2/2017	10	
10/3/2017	11	
1/23/2018	10	
6/25/2018	11	
9/25/2018	14	
1/30/2019	9.7	
6/26/2019	9.3	
9/12/2019	14	
3/16/2020	30	
9/11/2020	12	
3/17/2021	12	
8/18/2021	13	
3/2/2022		13

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-7	GWC-7
3/29/2016	22.385 (JO)	
5/24/2016	85.8	
7/22/2016	86	
9/15/2016	84	
11/16/2016	89	
1/26/2017	85	
3/22/2017	81	
5/2/2017	76	
10/3/2017	74	
1/23/2018	57	
6/25/2018	62	
10/2/2018	60	
1/21/2019	64	
6/25/2019	59	
9/10/2019	52	
3/12/2020	52	
9/14/2020	45	
3/16/2021	45	
8/19/2021	45	
3/2/2022		41

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-8	GWC-8
3/29/2016	15.2958	
5/24/2016	18.5	
7/26/2016	19	
9/19/2016	31	
11/16/2016	36	
1/26/2017	49 (o)	
3/23/2017	21	
5/3/2017	17	
10/5/2017	16	
1/24/2018	10	
6/21/2018	11	
9/26/2018	20	
1/22/2019	12	
6/25/2019	14	
9/10/2019	14	
3/12/2020	18	
9/14/2020	15	
3/16/2021	17	
8/20/2021	17	
3/2/2022		14

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-9	GWC-9
3/29/2016	14.6203	
5/24/2016	14.7	
7/25/2016	20	
9/19/2016	22	
11/16/2016	22	
1/31/2017	44	
3/23/2017	29	
5/2/2017	18	
10/3/2017	17	
1/24/2018	14	
6/21/2018	13	
9/26/2018	17	
1/22/2019	12	
6/25/2019	11	
9/16/2019	16	
3/16/2020	11	
9/11/2020	16	
3/16/2021	9.2	
8/25/2021	14	
3/9/2022		6.6

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1	GWA-1
3/23/2016	<10	
5/20/2016	<10	
7/21/2016	14	
9/15/2016	12	
11/11/2016	4 (J)	
1/19/2017	<10	
3/16/2017	14	
4/28/2017	<10	
10/4/2017	34	
1/19/2018	<10	
6/19/2018	16	
9/25/2018	24	
1/17/2019	20	
6/24/2019	21	
9/9/2019	16	
3/10/2020	12	
9/9/2020	12	
3/15/2021	<10	
8/16/2021	15	
2/28/2022		25

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-2	GWA-2
3/23/2016	41	
5/24/2016	51	
7/26/2016	8	
9/16/2016	40	
11/10/2016	58	
1/19/2017	28	
3/17/2017	<5	
4/28/2017	<5	
10/3/2017	36	
1/19/2018	10	
6/19/2018	<5	
9/25/2018	32	
1/17/2019	46	
6/24/2019	72	
9/10/2019	52	
3/10/2020	43	
9/10/2020	40	
3/15/2021	39	
8/18/2021	50	
3/1/2022		26

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28	GWA-28
3/22/2016	69	
5/23/2016	92	
7/25/2016	38	
9/15/2016	64	
11/9/2016	80	
1/17/2017	54	
3/16/2017	40	
4/27/2017	84	
10/3/2017	70	
1/19/2018	36	
6/19/2018	70	
9/25/2018	36	
1/21/2019	58	
6/25/2019	88	
9/10/2019	86	
3/10/2020	40	
9/9/2020	43	
3/15/2021	54	
8/16/2021	50	
3/1/2022		72

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29	GWA-29
3/22/2016	92	
5/19/2016	99	
7/21/2016	100	
1/17/2017	66	
4/27/2017	92	
7/18/2017	84 (J)	
8/1/2017	60 (J)	
10/3/2017	46	
1/19/2018	4 (J)	
6/19/2018	66	
9/25/2018	80	
1/18/2019	81	
6/25/2019	97	
9/10/2019	120	
3/10/2020	50	
9/9/2020	58	
3/15/2021	77	
8/18/2021	76	
3/2/2022		85

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-3	GWA-3
3/31/2016	401	
5/25/2016	150	
7/27/2016	250	
10/3/2017	410	
6/20/2018	230	
1/18/2019	140	
6/25/2019	130	
9/11/2019	130	
3/10/2020	170	
9/9/2020	150	
3/15/2021	170	
8/18/2021	170	
3/1/2022		180

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-4	GWA-4
3/23/2016	139	
5/19/2016	175	
7/21/2016	170	
9/14/2016	150	
11/10/2016	180	
1/17/2017	130	
3/16/2017	180	
4/27/2017	160	
10/3/2017	140	
1/22/2018	140	
6/19/2018	160	
9/25/2018	130	
1/17/2019	160	
6/24/2019	170	
9/10/2019	190	
3/10/2020	190	
9/9/2020	170	
3/15/2021	120	
8/18/2021	150	
3/1/2022		140

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-10	GWC-10
3/30/2016	177	
5/25/2016	181	
7/27/2016	210	
9/16/2016	190	
11/17/2016	240	
2/1/2017	120	
3/24/2017	180	
5/3/2017	170	
10/4/2017	230	
1/25/2018	190	
6/21/2018	32	
9/27/2018	200	
1/31/2019	150	
6/26/2019	46	
9/17/2019	120	
3/17/2020	140	
9/10/2020	170	
3/18/2021	130	
8/20/2021	140	
3/8/2022		130

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-11	GWC-11
3/29/2016	163	
5/25/2016	197	
7/25/2016	220	
9/19/2016	240	
11/16/2016	200	
1/31/2017	110	
3/23/2017	140	
5/2/2017	180	
10/4/2017	210	
1/24/2018	130	
6/20/2018	140	
9/27/2018	130	
1/24/2019	<10	
6/26/2019	87	
9/16/2019	190	
3/16/2020	46	
9/10/2020	160	
3/17/2021	170	
8/23/2021	190	
3/7/2022		130

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-12	GWC-12
3/29/2016	151	
5/25/2016	175	
7/22/2016	130	
9/15/2016	160	
11/16/2016	230	
1/31/2017	170	
3/23/2017	220	
5/3/2017	150	
10/4/2017	190	
1/24/2018	210	
6/26/2018	200	
9/28/2018	180	
1/25/2019	170	
6/26/2019	140	
9/11/2019	220	
3/18/2020	200	
9/10/2020	220	
3/16/2021	250	
8/19/2021	240	
3/7/2022		220

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-13
3/29/2016	48	
5/25/2016	61	
7/26/2016	40	
9/15/2016	54	
11/17/2016	64	
1/31/2017	36	
3/23/2017	76	
5/3/2017	32	
10/5/2017	42	
1/25/2018	48	
6/20/2018	12	
10/2/2018	72	
1/22/2019	42	
6/25/2019	56	
9/12/2019	73	
3/12/2020	56	
9/10/2020	44	
3/17/2021	42	
8/23/2021	56	
3/8/2022		38

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-14	GWC-14
3/30/2016	165	
5/25/2016	233	
7/26/2016	330	
9/15/2016	350	
11/17/2016	440	
2/1/2017	150	
3/23/2017	250	
5/3/2017	190	
10/4/2017	520	
1/25/2018	160	
6/20/2018	310	
10/1/2018	250	
1/22/2019	200	
6/25/2019	280	
9/12/2019	470	
3/17/2020	370	
9/10/2020	390	
3/17/2021	430	
8/23/2021	290	
3/7/2022		320

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-15	GWC-15
3/30/2016	94	
5/25/2016	90	
7/26/2016	64	
9/20/2016	72	
11/17/2016	46	
2/1/2017	70	
3/23/2017	100	
5/3/2017	84	
10/4/2017	60	
1/25/2018	86	
6/20/2018	64	
10/1/2018	94	
1/22/2019	79	
6/25/2019	99	
9/17/2019	75	
3/16/2020	100	
9/10/2020	79	
3/18/2021	86	
8/24/2021	80	
3/7/2022		80

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-16	GWC-16
3/30/2016	75	
5/25/2016	91	
7/27/2016	76	
9/16/2016	78	
11/17/2016	110	
2/1/2017	70	
3/24/2017	100	
5/3/2017	18	
10/5/2017	10	
1/25/2018	56	
6/20/2018	84	
10/1/2018	86	
1/25/2019	51	
6/25/2019	91	
9/11/2019	85	
3/17/2020	93	
9/11/2020	83	
3/17/2021	91	
8/20/2021	83	
3/8/2022		70

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-17	GWC-17
3/30/2016	97	
5/25/2016	97	
7/27/2016	110	
9/19/2016	110	
11/17/2016	74	
2/1/2017	100	
3/24/2017	110	
5/3/2017	28	
10/4/2017	84	
1/25/2018	72	
6/26/2018	72	
10/2/2018	120	
1/24/2019	82	
6/25/2019	110	
9/11/2019	92	
3/17/2020	84	
9/14/2020	91	
3/16/2021	99	
8/20/2021	98	
3/8/2022		87

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-18	GWC-18
3/30/2016	84	
5/26/2016	80	
7/25/2016	54	
9/19/2016	96	
11/17/2016	42	
2/1/2017	66	
3/24/2017	88	
5/3/2017	64	
10/5/2017	50	
1/25/2018	70	
6/21/2018	84	
9/28/2018	74	
1/28/2019	77	
6/27/2019	77	
9/11/2019	64	
3/17/2020	90	
9/14/2020	96	
3/16/2021	93	
8/24/2021	99	
3/8/2022		72

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-19	GWC-19
3/30/2016	69	
5/26/2016	75	
7/25/2016	44	
9/19/2016	74	
11/17/2016	34	
2/2/2017	96	
3/24/2017	82	
5/3/2017	42	
10/5/2017	50	
1/25/2018	60	
6/21/2018	76	
9/27/2018	62	
1/28/2019	69	
6/26/2019	<10	
9/12/2019	87	
3/18/2020	64	
9/15/2020	51	
3/17/2021	67	
8/24/2021	85	
3/8/2022		61

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-20	GWC-20
3/30/2016	88	
5/26/2016	65	
7/25/2016	80	
9/20/2016	84	
11/17/2016	84	
2/2/2017	100	
3/28/2017	82	
5/4/2017	88	
10/6/2017	120	
1/26/2018	96	
6/21/2018	78	
9/27/2018	110	
1/28/2019	95	
6/25/2019	100	
9/11/2019	74	
3/18/2020	78	
9/15/2020	82	
3/16/2021	100	
8/24/2021	96	
3/7/2022		72

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-21	GWC-21
3/30/2016	42	
5/26/2016	42	
7/26/2016	48	
9/20/2016	56	
11/17/2016	34	
2/2/2017	36	
3/28/2017	48	
5/4/2017	22	
10/6/2017	70	
1/26/2018	52	
6/20/2018	36	
9/27/2018	56	
1/24/2019	42	
6/25/2019	63	
9/11/2019	16	
3/18/2020	49	
9/15/2020	54	
3/16/2021	65	
8/19/2021	84	
3/7/2022		43

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-22	GWC-22
3/31/2016	102	
5/26/2016	108	
7/26/2016	82	
9/20/2016	100	
11/17/2016	110	
2/3/2017	110	
3/28/2017	98	
5/3/2017	98	
10/5/2017	<5	
1/25/2018	98	
6/20/2018	94	
10/1/2018	100	
1/24/2019	100	
6/25/2019	110	
9/10/2019	120	
3/18/2020	93	
9/10/2020	100	
3/15/2021	89	
8/19/2021	120	
3/8/2022		89

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-23	GWC-23
3/29/2016	53	
5/25/2016	33	
7/27/2016	30	
9/20/2016	42	
11/18/2016	4 (J)	
2/3/2017	20	
3/28/2017	38	
5/4/2017	54	
10/5/2017	26	
1/25/2018	32	
6/20/2018	54	
10/1/2018	140	
1/25/2019	<10	
6/26/2019	44	
9/12/2019	58	
3/18/2020	29	
9/10/2020	40	
3/18/2021	29	
8/23/2021	47	
3/9/2022		40

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-24	GWC-24
3/30/2016	39	
5/25/2016	30	
7/27/2016	28	
9/16/2016	22	
11/18/2016	28	
2/3/2017	26	
3/29/2017	28	
5/4/2017	30	
10/5/2017	12	
1/25/2018	20	
6/27/2018	24	
9/28/2018	16	
1/31/2019	30	
6/26/2019	<10	
9/11/2019	<10	
3/12/2020	23	
9/15/2020	21	
3/18/2021	20	
8/19/2021	30	
3/10/2022		15

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-25	GWC-25
3/28/2016	90	
5/26/2016	75	
7/27/2016	78	
9/19/2016	100	
11/15/2016	110	
1/24/2017	96	
3/23/2017	96	
5/2/2017	100	
10/5/2017	86	
1/25/2018	100	
6/27/2018	60	
9/26/2018	60	
1/24/2019	54	
6/25/2019	58	
9/11/2019	53	
3/12/2020	76	
9/14/2020	44	
3/17/2021	56	
8/19/2021	81	
3/8/2022		59 (D)

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-26	GWC-26
3/24/2016	48	
5/25/2016	42	
7/26/2016	20	
9/19/2016	48	
11/14/2016	40	
1/19/2017	10	
3/16/2017	<5	
5/1/2017	10	
10/4/2017	60	
1/22/2018	40	
6/27/2018	8	
9/27/2018	86	
1/24/2019	34	
6/25/2019	49	
9/12/2019	61	
3/13/2020	32	
9/15/2020	43	
3/17/2021	35	
8/19/2021	50	
3/9/2022		28

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-27	GWC-27
3/23/2016	46	
5/24/2016	34	
7/26/2016	16	
9/19/2016	52	
11/11/2016	56	
1/20/2017	38	
3/16/2017	32	
4/28/2017	46	
10/3/2017	12	
1/19/2018	<10	
6/27/2018	54	
9/27/2018	58	
1/24/2019	<10	
6/26/2019	<10	
9/12/2019	50	
3/12/2020	26	
9/9/2020	52	
3/18/2021	34	
8/23/2021	30	
3/8/2022		25

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-30	GWC-30
3/23/2016	51	
5/20/2016	58	
7/21/2016	42	
9/20/2016	52	
11/14/2016	38	
1/24/2017	36	
3/17/2017	48	
5/1/2017	10	
10/4/2017	74	
1/24/2018	10	
6/21/2018	28	
10/3/2018	42	
1/30/2019	53	
6/27/2019	30	
9/10/2019	46	
3/11/2020	44	
9/10/2020	40	
3/18/2021	49	
8/23/2021	54	
3/2/2022		41

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-31	GWC-31
3/30/2016	128	
5/25/2016	118	
1/25/2017	120	
7/19/2017	100	
10/6/2017	120	
1/23/2018	70	
6/27/2018	92	
10/3/2018	86	
1/31/2019	160	
6/26/2019	110	
3/17/2020	86	
9/11/2020	110	
3/16/2021	96	
8/25/2021	110	
3/10/2022		87

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-32	GWC-32
3/23/2016	75	
5/24/2016	83	
7/22/2016	76	
9/16/2016	84	
11/15/2016	94	
1/26/2017	68	
3/24/2017	110	
5/2/2017	76	
10/6/2017	130	
1/23/2018	110	
6/26/2018	66	
10/2/2018	100	
1/30/2019	91	
6/27/2019	47	
9/12/2019	100	
3/18/2020	120	
9/15/2020	92	
3/17/2021	79	
8/24/2021	94	
3/9/2022		74

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-33
3/23/2016	80	
11/17/2016	140	
1/25/2017	160	
3/23/2017	120	
5/1/2017	72	
7/19/2017	120	
8/4/2017	90	
8/24/2017	82	
10/5/2017	74	
1/23/2018	100	
6/26/2018	100	
10/2/2018	120	
1/30/2019	100	
6/26/2019	100	
9/12/2019	110	
3/12/2020	120	
9/16/2020	94	
3/18/2021	93	
8/24/2021	100	
3/9/2022		97

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-34	GWC-34
3/24/2016	55	
5/23/2016	61	
7/21/2016	32	
9/15/2016	62	
11/15/2016	56	
1/25/2017	<5	
3/22/2017	58	
5/1/2017	22	
10/3/2017	16	
1/23/2018	64	
6/20/2018	<5	
10/2/2018	98	
1/28/2019	33	
6/26/2019	61	
9/11/2019	20	
3/11/2020	36	
9/11/2020	36	
3/16/2021	46	
8/24/2021	44	
3/2/2022		42

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-35	GWC-35
3/24/2016	33	
5/23/2016	48	
7/21/2016	36	
9/15/2016	38	
11/15/2016	44	
1/26/2017	<5	
3/22/2017	34	
5/2/2017	4 (J)	
10/3/2017	26	
1/23/2018	56	
6/19/2018	28	
10/1/2018	40	
1/21/2019	17	
6/26/2019	46	
9/12/2019	51	
3/11/2020	42	
9/11/2020	32	
3/16/2021	42	
8/18/2021	50	
3/2/2022		28

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-5	GWC-5
3/28/2016	172	
5/23/2016	189	
7/21/2016	170	
9/15/2016	180	
11/15/2016	180	
1/26/2017	120	
3/22/2017	110	
5/2/2017	140	
10/3/2017	170	
1/23/2018	210	
6/25/2018	200	
10/3/2018	230	
1/30/2019	220	
6/26/2019	120	
9/12/2019	230	
3/16/2020	210	
9/9/2020	210	
3/17/2021	180	
8/19/2021	220	
3/2/2022		180

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-6	GWC-6
3/28/2016	92	
5/24/2016	115	
7/21/2016	120	
9/15/2016	130	
11/16/2016	150	
1/26/2017	74	
3/22/2017	120	
5/2/2017	82	
10/3/2017	100	
1/23/2018	120	
6/25/2018	110	
9/25/2018	120	
1/30/2019	120	
6/26/2019	41	
9/12/2019	170	
3/16/2020	110	
9/11/2020	160	
3/17/2021	110	
8/18/2021	140	
3/2/2022		130

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-7	GWC-7
3/29/2016	517	
5/24/2016	494	
7/22/2016	430	
9/15/2016	460	
11/16/2016	500	
1/26/2017	440	
3/22/2017	440	
5/2/2017	420	
10/3/2017	450	
1/23/2018	390	
6/25/2018	400	
10/2/2018	440	
1/21/2019	340	
6/25/2019	400	
9/10/2019	380	
3/12/2020	360	
9/14/2020	380	
3/16/2021	390	
8/19/2021	380	
3/2/2022		370

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-8	GWC-8
3/29/2016	172	
5/24/2016	196	
7/26/2016	160	
9/19/2016	220	
11/16/2016	240	
1/26/2017	130	
3/23/2017	190	
5/3/2017	160	
10/5/2017	200	
1/24/2018	94	
6/21/2018	210	
9/26/2018	180	
1/22/2019	86	
6/25/2019	200	
9/10/2019	220	
3/12/2020	140	
9/14/2020	190	
3/16/2021	170	
8/20/2021	170	
3/2/2022		150

Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 5/11/2022 2:38 PM View: PLs Intra App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-9	GWC-9
3/29/2016	93	
5/24/2016	162	
7/25/2016	200	
9/19/2016	340	
11/16/2016	280	
1/31/2017	160	
3/23/2017	230	
5/2/2017	150	
10/3/2017	190	
1/24/2018	160	
6/21/2018	150	
9/26/2018	130	
1/22/2019	68	
6/25/2019	160	
9/16/2019	190	
3/16/2020	100	
9/11/2020	160	
3/16/2021	100	
8/25/2021	130	
3/9/2022		82

FIGURE J.

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

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 4:57 PM

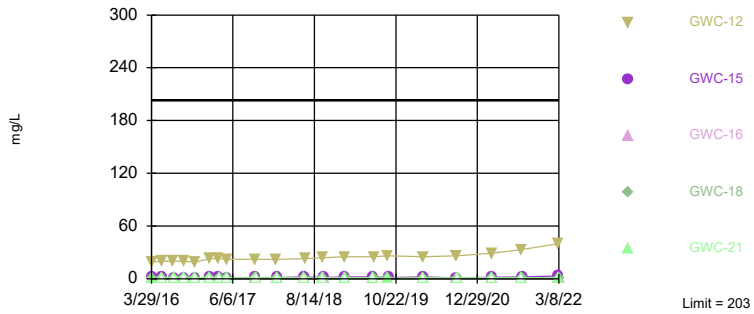
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Sulfate as SO4 (mg/L)	GWC-12	203	n/a	3/7/2022	40	No	92	n/a	n/a	21.74	n/a	n/a	0.0002231	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWC-15	203	n/a	3/7/2022	3.1	No	92	n/a	n/a	21.74	n/a	n/a	0.0002231	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWC-16	203	n/a	3/8/2022	1.1	No	92	n/a	n/a	21.74	n/a	n/a	0.0002231	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWC-18	203	n/a	3/8/2022	1.1	No	92	n/a	n/a	21.74	n/a	n/a	0.0002231	NP Inter (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWC-21	203	n/a	3/7/2022	1.1	No	92	n/a	n/a	21.74	n/a	n/a	0.0002231	NP Inter (normality) 1 of 2

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Shapiro Francia normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 92 background values. 21.74% NDs. Annual per-constituent alpha = 0.01286. Individual comparison alpha = 0.0002231 (1 of 2). Comparing 5 points to limit. Assumes 24 future values.

Constituent: Sulfate as SO4 Analysis Run 5/11/2022 4:56 PM View: PLs Interwell 2-Step App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 4:57 PM View: PLs Interwell 2-Step App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28 (bg)	GWA-29 (bg)	GWA-2 (bg)	GWA-1 (bg)	GWC-12	GWC-21	GWC-18	GWC-16	GWC-15
3/22/2016	1.1423	8.4662							
3/23/2016			1.001	<1					
3/29/2016					19.1889				
3/30/2016						0.3269 (J)	0.6239 (J)	0.5433 (J)	1.7296
3/31/2016									
5/19/2016		10							
5/20/2016				<1					
5/23/2016	1.44								
5/24/2016			0.576 (J)						
5/25/2016					19.8			0.4393 (J)	1.52
5/26/2016						<1	0.598 (J)		
7/21/2016		13		<1					
7/22/2016					20				
7/25/2016	1.1						<1		
7/26/2016			0.91 (J)			<1			1.2
7/27/2016								<1	
9/15/2016	0.99 (J)			<1	20				
9/16/2016			0.87 (J)					<1	
9/19/2016							<1		
9/20/2016						<1			0.85 (J)
11/9/2016	1.1								
11/10/2016			0.79 (J)						
11/11/2016				<1					
11/16/2016					19				
11/17/2016						<1	<1	<1	0.83 (J)
1/17/2017	0.85 (J)	7.6							
1/19/2017			0.87 (J)	<1					
1/31/2017					23				
2/1/2017							<1	<1	1.9
2/2/2017						<1			
3/16/2017	1.2			<1					
3/17/2017			1.8						
3/23/2017					23				1.6
3/24/2017							<1	<1	
3/28/2017						<1			
4/27/2017	<1	8							
4/28/2017			1.7	<1					
5/3/2017					22		<1	<1	1.3
5/4/2017						<1			
7/18/2017		6							
8/1/2017		7.7							
10/3/2017	1.4	7	1.9						
10/4/2017				<1	22				1.4
10/5/2017							<1	<1	
10/6/2017						<1			
1/19/2018	1.1	5.7	1.8	<1					
1/24/2018					22				
1/25/2018							<1	<1	1.4
1/26/2018						<1			
6/19/2018	0.94 (J)	7	1	<1					
6/20/2018						<1		<1	2.1
6/21/2018							<1		

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 4:57 PM View: PLs Interwell 2-Step App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28 (bg)	GWA-29 (bg)	GWA-2 (bg)	GWA-1 (bg)	GWC-12	GWC-21	GWC-18	GWC-16	GWC-15
6/26/2018					23				
9/25/2018	1.3	9.1	0.78 (J)	<1					
9/27/2018						<1			
9/28/2018					24		<1		
10/1/2018								<1	1.4
1/17/2019			2.5	0.5 (J)					
1/18/2019		6.4							
1/21/2019	1.6								
1/22/2019									2
1/24/2019						<1			
1/25/2019					25			0.66 (J)	
1/28/2019							0.69 (J)		
6/24/2019			0.91 (J)	<1					
6/25/2019	2.2	26				<1		0.84 (J)	2
6/26/2019					25				
6/27/2019							0.85 (J)		
9/9/2019				<1					
9/10/2019	1.3	9.2	0.9 (J)						
9/11/2019					26	0.42 (J)	0.7 (J)	0.6 (J)	
9/17/2019									1.4
3/10/2020	3	6	2.5	1.7					
3/16/2020									2.3
3/17/2020							1	0.84 (J)	
3/18/2020					25	<1			
9/9/2020	1.4	6.5		<1					
9/10/2020			1		26				1.2
9/11/2020								0.4 (J)	
9/14/2020							0.7 (J)		
9/15/2020						<1			
3/15/2021	0.95 (J)	6.8	1.5	<1					
3/16/2021					29	<1	<1		
3/17/2021								<1	
3/18/2021									1.7
8/16/2021	1.1			<1					
8/18/2021		6.7	0.9 (J)						
8/19/2021					33	<1			
8/20/2021								1	
8/24/2021							0.89 (J)		2
2/28/2022				<1					
3/1/2022	1		2						
3/2/2022		6							
3/7/2022					40	1.1			3.1
3/8/2022							1.1	1.1	

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 4:57 PM View: PLs Interwell 2-Step App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-3 (bg)
3/22/2016	
3/23/2016	
3/29/2016	
3/30/2016	
3/31/2016	202.982
5/19/2016	
5/20/2016	
5/23/2016	
5/24/2016	
5/25/2016	95.7
5/26/2016	
7/21/2016	
7/22/2016	
7/25/2016	
7/26/2016	
7/27/2016	110
9/15/2016	
9/16/2016	
9/19/2016	
9/20/2016	
11/9/2016	
11/10/2016	
11/11/2016	
11/16/2016	
11/17/2016	
1/17/2017	
1/19/2017	
1/31/2017	
2/1/2017	
2/2/2017	
3/16/2017	
3/17/2017	
3/23/2017	
3/24/2017	
3/28/2017	
4/27/2017	
4/28/2017	
5/3/2017	
5/4/2017	
7/18/2017	
8/1/2017	
10/3/2017	150
10/4/2017	
10/5/2017	
10/6/2017	
1/19/2018	
1/24/2018	
1/25/2018	
1/26/2018	
6/19/2018	
6/20/2018	100
6/21/2018	

Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 5/11/2022 4:57 PM View: PLs Interwell 2-Step App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-3 (bg)
6/26/2018	
9/25/2018	
9/27/2018	
9/28/2018	
10/1/2018	
1/17/2019	
1/18/2019	34
1/21/2019	
1/22/2019	
1/24/2019	
1/25/2019	
1/28/2019	
6/24/2019	
6/25/2019	<1
6/26/2019	
6/27/2019	
9/9/2019	
9/10/2019	
9/11/2019	43
9/17/2019	
3/10/2020	16
3/16/2020	
3/17/2020	
3/18/2020	
9/9/2020	29
9/10/2020	
9/11/2020	
9/14/2020	
9/15/2020	
3/15/2021	36
3/16/2021	
3/17/2021	
3/18/2021	
8/16/2021	
8/18/2021	51
8/19/2021	
8/20/2021	
8/24/2021	
2/28/2022	
3/1/2022	64
3/2/2022	
3/7/2022	
3/8/2022	

FIGURE K.

Interwell Prediction Limits Appendix III - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 5:01 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	**GWC-12**	**0.08**	**n/a**	**3/7/2022**	**0.11**	**Yes**	**113**	**n/a**	**n/a**	**97.35**	**n/a**	**n/a**	**0.0001527**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**GWC-14**	**0.08**	**n/a**	**3/7/2022**	**1**	**Yes**	**113**	**n/a**	**n/a**	**97.35**	**n/a**	**n/a**	**0.0001527**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**GWC-15**	**0.08**	**n/a**	**3/7/2022**	**0.14**	**Yes**	**113**	**n/a**	**n/a**	**97.35**	**n/a**	**n/a**	**0.0001527**	**NP Inter (NDs) 1 of 2**
Chloride, Total (mg/L)	**GWC-14**	**49**	**n/a**	**3/7/2022**	**160**	**Yes**	**112**	**n/a**	**n/a**	**0.8929**	**n/a**	**n/a**	**0.0001555**	**NP Inter (normality) 1 of 2**

Interwell Prediction Limits Appendix III - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 5:01 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	GWC-10	0.08	n/a	3/8/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-11	0.08	n/a	3/7/2022	0.067J	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	**GWC-12**	**0.08**	**n/a**	**3/7/2022**	**0.11**	**Yes**	**113**	**n/a**	**n/a**	**97.35**	**n/a**	**n/a**	**0.0001527**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	GWC-13	0.08	n/a	3/8/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	**GWC-14**	**0.08**	**n/a**	**3/7/2022**	**1**	**Yes**	**113**	**n/a**	**n/a**	**97.35**	**n/a**	**n/a**	**0.0001527**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**GWC-15**	**0.08**	**n/a**	**3/7/2022**	**0.14**	**Yes**	**113**	**n/a**	**n/a**	**97.35**	**n/a**	**n/a**	**0.0001527**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	GWC-16	0.08	n/a	3/8/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-17	0.08	n/a	3/8/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-18	0.08	n/a	3/8/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-19	0.08	n/a	3/8/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-20	0.08	n/a	3/7/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-21	0.08	n/a	3/7/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-22	0.08	n/a	3/8/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-23	0.08	n/a	3/9/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-24	0.08	n/a	3/10/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-25	0.08	n/a	3/8/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-26	0.08	n/a	3/9/2022	0.066J	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-27	0.08	n/a	3/8/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-30	0.08	n/a	3/2/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-31	0.08	n/a	3/10/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-32	0.08	n/a	3/9/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-33	0.08	n/a	3/9/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-34	0.08	n/a	3/2/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-35	0.08	n/a	3/2/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-5	0.08	n/a	3/2/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-6	0.08	n/a	3/2/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-7	0.08	n/a	3/2/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-8	0.08	n/a	3/2/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	GWC-9	0.08	n/a	3/9/2022	0.08ND	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Calcium, total (mg/L)	GWC-10	72	n/a	3/8/2022	16	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-11	72	n/a	3/7/2022	6.9	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-12	72	n/a	3/7/2022	48	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-13	72	n/a	3/8/2022	3.9	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-14	72	n/a	3/7/2022	31	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-15	72	n/a	3/7/2022	11	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-16	72	n/a	3/8/2022	6.6	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-17	72	n/a	3/8/2022	7.9	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-18	72	n/a	3/8/2022	7.5	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-19	72	n/a	3/8/2022	9	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-20	72	n/a	3/7/2022	8.6	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-21	72	n/a	3/7/2022	6.5	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-22	72	n/a	3/8/2022	11	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-23	72	n/a	3/9/2022	3.5	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-24	72	n/a	3/10/2022	0.14J	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-25	72	n/a	3/8/2022	7.3	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-26	72	n/a	3/9/2022	2	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-27	72	n/a	3/8/2022	2.4	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-30	72	n/a	3/2/2022	3.6	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-31	72	n/a	3/10/2022	8.3	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-32	72	n/a	3/9/2022	5.4	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2

Interwell Prediction Limits Appendix III - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 5:01 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium, total (mg/L)	GWC-33	72	n/a	3/9/2022	20	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-34	72	n/a	3/2/2022	2.8	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-35	72	n/a	3/2/2022	2.6	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-5	72	n/a	3/2/2022	30	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-6	72	n/a	3/2/2022	14	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-7	72	n/a	3/2/2022	47	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-8	72	n/a	3/2/2022	24	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Calcium, total (mg/L)	GWC-9	72	n/a	3/9/2022	8.1	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-10	49	n/a	3/8/2022	4.8	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-11	49	n/a	3/7/2022	1.4	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-12	49	n/a	3/7/2022	33	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-13	49	n/a	3/8/2022	1.4	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	**GWC-14**	**49**	**n/a**	**3/7/2022**	**160**	**Yes**	**112**	**n/a**	**n/a**	**0.8929**	**n/a**	**n/a**	**0.0001555**	**NP Inter (normality) 1 of 2**
Chloride, Total (mg/L)	GWC-15	49	n/a	3/7/2022	8.8	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-16	49	n/a	3/8/2022	1.7	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-17	49	n/a	3/8/2022	0.86J	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-18	49	n/a	3/8/2022	1.6	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-19	49	n/a	3/8/2022	1.5	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-20	49	n/a	3/7/2022	2.3	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-21	49	n/a	3/7/2022	3.7	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-22	49	n/a	3/8/2022	1.3	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-23	49	n/a	3/9/2022	1.4	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-24	49	n/a	3/10/2022	3.2	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-25	49	n/a	3/8/2022	4.6	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-26	49	n/a	3/9/2022	3.3	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-27	49	n/a	3/8/2022	0.72J	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-30	49	n/a	3/2/2022	1.3	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-31	49	n/a	3/10/2022	0.94J	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-32	49	n/a	3/9/2022	1	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-33	49	n/a	3/9/2022	1.5	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-34	49	n/a	3/2/2022	1.1	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-35	49	n/a	3/2/2022	4.6	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-5	49	n/a	3/2/2022	11	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-6	49	n/a	3/2/2022	7.6	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-7	49	n/a	3/2/2022	22	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-8	49	n/a	3/2/2022	3	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Chloride, Total (mg/L)	GWC-9	49	n/a	3/9/2022	4	No	112	n/a	n/a	0.8929	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-10	3.2	n/a	3/8/2022	1.2	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-11	3.2	n/a	3/7/2022	0.14	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-12	3.2	n/a	3/7/2022	0.18	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-13	3.2	n/a	3/8/2022	0.13	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-14	3.2	n/a	3/7/2022	0.071J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-15	3.2	n/a	3/7/2022	0.12	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-16	3.2	n/a	3/8/2022	0.057J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-17	3.2	n/a	3/8/2022	0.057J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-18	3.2	n/a	3/8/2022	0.058J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-19	3.2	n/a	3/8/2022	0.046J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-20	3.2	n/a	3/7/2022	0.07J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-21	3.2	n/a	3/7/2022	0.043J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-22	3.2	n/a	3/8/2022	0.054J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2

Interwell Prediction Limits Appendix III - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/11/2022, 5:01 PM

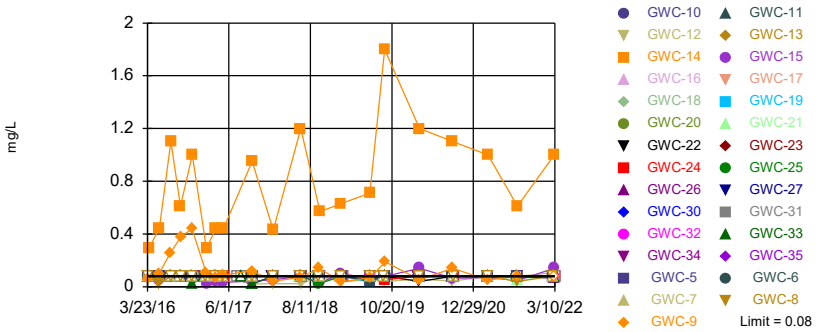
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride, total (mg/L)	GWC-23	3.2	n/a	3/9/2022	0.049J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-24	3.2	n/a	3/10/2022	0.037J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-25	3.2	n/a	3/8/2022	0.057J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-26	3.2	n/a	3/9/2022	0.049J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-27	3.2	n/a	3/8/2022	0.5	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-30	3.2	n/a	3/2/2022	0.047J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-31	3.2	n/a	3/10/2022	1.5	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-32	3.2	n/a	3/9/2022	1.9	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-33	3.2	n/a	3/9/2022	2.1	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-34	3.2	n/a	3/2/2022	0.086J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-35	3.2	n/a	3/2/2022	0.1ND	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-5	3.2	n/a	3/2/2022	0.093J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-6	3.2	n/a	3/2/2022	0.082J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-7	3.2	n/a	3/2/2022	0.16	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-8	3.2	n/a	3/2/2022	0.058J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2
Fluoride, total (mg/L)	GWC-9	3.2	n/a	3/9/2022	0.068J	No	112	n/a	n/a	41.07	n/a	n/a	0.0001555	NP Inter (normality) 1 of 2

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: GWC-12, GWC-14, GWC-15

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 113 background values. 97.35% NDs. Annual per-constituent alpha = 0.008817. Individual comparison alpha = 0.0001527 (1 of 2). Comparing 29 points to limit.

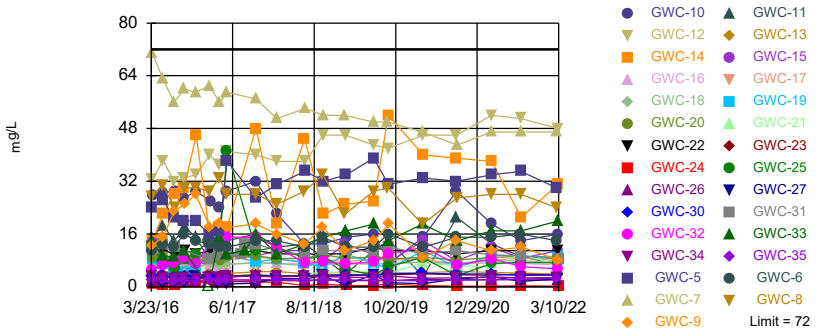
Constituent: Boron, total Analysis Run 5/11/2022 4:58 PM View: PLs Interwell App III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 112 background values. 0.8929% NDs. Annual per-constituent alpha = 0.008978. Individual comparison alpha = 0.0001555 (1 of 2). Comparing 29 points to limit.

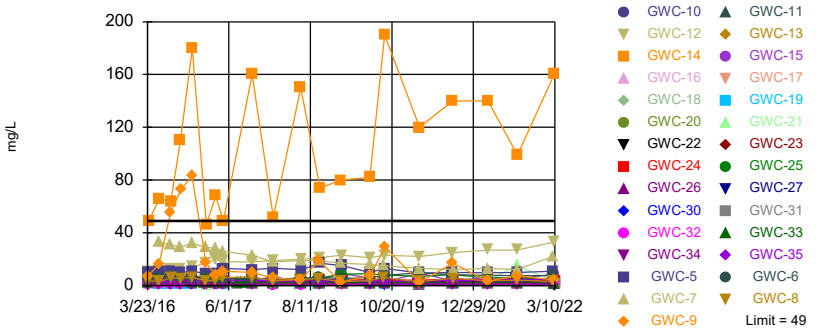
Constituent: Calcium, total Analysis Run 5/11/2022 4:59 PM View: PLs Interwell App III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: GWC-14

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 112 background values. 0.8929% NDs. Annual per-constituent alpha = 0.008978. Individual comparison alpha = 0.0001555 (1 of 2). Comparing 29 points to limit.

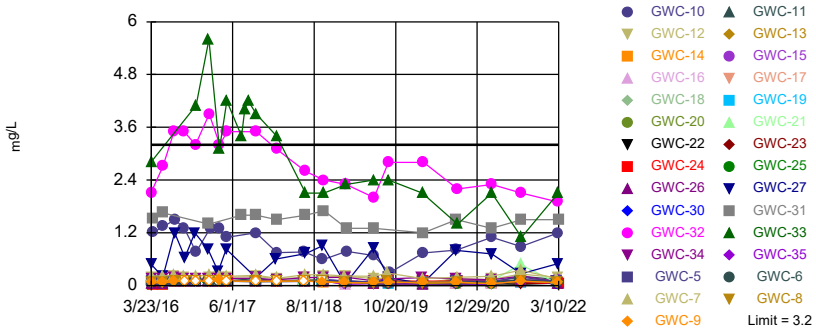
Constituent: Chloride, Total Analysis Run 5/11/2022 4:59 PM View: PLs Interwell App III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 112 background values. 41.07% NDs. Annual per-constituent alpha = 0.008978. Individual comparison alpha = 0.0001555 (1 of 2). Comparing 29 points to limit.

Constituent: Fluoride, total Analysis Run 5/11/2022 4:59 PM View: PLs Interwell App III
Plant Wansley Client: Southern Company Data: Wansley Landfill

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28 (bg)	GWA-29 (bg)	GWA-1 (bg)	GWC-27	GWA-2 (bg)	GWC-33	GWC-32	GWA-4 (bg)	GWC-30
3/22/2016	<0.08	<0.08							
3/23/2016			<0.08	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08
3/24/2016									
3/28/2016									
3/29/2016									
3/30/2016									
3/31/2016									
5/19/2016		<0.08						<0.08	
5/20/2016			<0.08						<0.08
5/23/2016	<0.08								
5/24/2016				<0.08	<0.08	<0.08	<0.08		
5/25/2016									
5/26/2016									
7/21/2016		<0.08	<0.08					<0.08	<0.08
7/22/2016						<0.08	<0.08		
7/25/2016	<0.08								
7/26/2016				<0.08	<0.08				
7/27/2016									
9/14/2016								<0.08	
9/15/2016	<0.08		<0.08						
9/16/2016					<0.08	<0.08	<0.08		
9/19/2016				<0.08					
9/20/2016									<0.08
11/9/2016	<0.08								
11/10/2016					<0.08			<0.08	
11/11/2016			<0.08	<0.08					
11/14/2016									<0.08
11/15/2016							<0.08		
11/16/2016									
11/17/2016						0.023 (J)			
11/18/2016									
1/17/2017	<0.08	<0.08						<0.08	
1/19/2017			<0.08		<0.08				
1/20/2017				<0.08					
1/24/2017									<0.08
1/25/2017						<0.08			
1/26/2017							<0.08		
1/31/2017									
2/1/2017									
2/2/2017									
2/3/2017									
3/16/2017	<0.08		<0.08	<0.08				<0.08	
3/17/2017					<0.08				<0.08
3/22/2017									
3/23/2017						<0.08			
3/24/2017							<0.08		
3/28/2017									
3/29/2017									
4/27/2017	<0.08	<0.08						<0.08	
4/28/2017			<0.08	<0.08	<0.08				
5/1/2017						<0.08			<0.08
5/2/2017							<0.08		

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28 (bg)	GWA-29 (bg)	GWA-1 (bg)	GWC-27	GWA-2 (bg)	GWC-33	GWC-32	GWA-4 (bg)	GWC-30
5/3/2017									
5/4/2017									
7/18/2017		0.027 (J)							
7/19/2017									
8/1/2017		<0.08							
8/4/2017						<0.08			
10/3/2017	<0.08	<0.08		<0.08	<0.08			<0.08	
10/4/2017			<0.08						<0.08
10/5/2017						0.025 (J)			
10/6/2017							<0.08		
1/19/2018	<0.08	<0.08	<0.08	<0.08	<0.08				
1/22/2018								<0.08	
1/23/2018						<0.08	<0.08		
1/24/2018									<0.08
1/25/2018									
1/26/2018									
6/19/2018	<0.08	<0.08	<0.08		<0.08			<0.08	
6/20/2018									
6/21/2018									<0.08
6/25/2018									
6/26/2018						<0.08	<0.08		
6/27/2018				<0.08					
9/25/2018	<0.08	<0.08	<0.08		<0.08			<0.08	
9/26/2018									
9/27/2018				<0.08					
9/28/2018									
10/1/2018									
10/2/2018						<0.08	<0.08		
10/3/2018									<0.08
1/17/2019			<0.08		<0.08			<0.08	
1/18/2019		<0.08							
1/21/2019	<0.08								
1/22/2019									
1/24/2019				<0.08					
1/25/2019									
1/28/2019									
1/30/2019						<0.08	<0.08		<0.08
1/31/2019									
6/24/2019			0.034 (J)		<0.08			<0.08	
6/25/2019	<0.08	<0.08							
6/26/2019				<0.08		<0.08			
6/27/2019							<0.08		<0.08
9/9/2019			<0.08						
9/10/2019	<0.08	<0.08			<0.08			<0.08	<0.08
9/11/2019									
9/12/2019				<0.08		<0.08	<0.08		
9/16/2019									
9/17/2019									
3/10/2020	<0.08	<0.08	0.041 (J)		<0.08			<0.08	
3/11/2020									<0.08
3/12/2020				<0.08		<0.08			
3/13/2020									

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28 (bg)	GWA-29 (bg)	GWA-1 (bg)	GWC-27	GWA-2 (bg)	GWC-33	GWC-32	GWA-4 (bg)	GWC-30
3/16/2020									
3/17/2020									
3/18/2020							<0.08		
9/9/2020	<0.08	<0.08	<0.08	<0.08				<0.08	
9/10/2020					<0.08				<0.08
9/11/2020									
9/14/2020									
9/15/2020							<0.08		
9/16/2020						<0.08			
3/15/2021	<0.08	<0.08	<0.08		<0.08			<0.08	
3/16/2021									
3/17/2021							<0.08		
3/18/2021				<0.08		<0.08			<0.08
8/16/2021	<0.08		<0.08						
8/18/2021		<0.08			<0.08			<0.08	
8/19/2021									
8/20/2021									
8/23/2021				<0.08					<0.08
8/24/2021						<0.08	<0.08		
8/25/2021									
2/28/2022			<0.08						
3/1/2022	<0.08				<0.08			<0.08	
3/2/2022		<0.08							<0.08
3/7/2022									
3/8/2022				<0.08					
3/9/2022						<0.08	<0.08		
3/10/2022									

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-35	GWC-26	GWC-34	GWC-25	GWC-6	GWC-5	GWC-7	GWC-11	GWC-12
3/22/2016									
3/23/2016									
3/24/2016	<0.08	<0.08	<0.08						
3/28/2016				<0.08	<0.08	<0.08			
3/29/2016							<0.08	<0.08	<0.08
3/30/2016									
3/31/2016									
5/19/2016									
5/20/2016									
5/23/2016	<0.08		<0.08			<0.08			
5/24/2016					<0.08		<0.08		
5/25/2016		<0.08		<0.08				<0.08	<0.08
5/26/2016									
7/21/2016	<0.08		<0.08		<0.08	<0.08			
7/22/2016							<0.08		<0.08
7/25/2016								<0.08	
7/26/2016		<0.08							
7/27/2016				<0.08					
9/14/2016									
9/15/2016	<0.08		<0.08		<0.08	<0.08	<0.08		<0.08
9/16/2016									
9/19/2016		<0.08		<0.08				<0.08	
9/20/2016									
11/9/2016									
11/10/2016									
11/11/2016									
11/14/2016		<0.08							
11/15/2016	<0.08		<0.08	<0.08		<0.08			
11/16/2016					<0.08		<0.08	<0.08	<0.08
11/17/2016									
11/18/2016									
1/17/2017									
1/19/2017		<0.08							
1/20/2017									
1/24/2017				<0.08					
1/25/2017			<0.08						
1/26/2017	<0.08				<0.08	<0.08	<0.08		
1/31/2017								<0.08	<0.08
2/1/2017									
2/2/2017									
2/3/2017									
3/16/2017		<0.08							
3/17/2017									
3/22/2017	<0.08		<0.08		<0.08	<0.08	<0.08		
3/23/2017				<0.08				<0.08	<0.08
3/24/2017									
3/28/2017									
3/29/2017									
4/27/2017									
4/28/2017									
5/1/2017		<0.08	<0.08						
5/2/2017	<0.08			<0.08	<0.08	<0.08	<0.08	<0.08	

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-35	GWC-26	GWC-34	GWC-25	GWC-6	GWC-5	GWC-7	GWC-11	GWC-12
5/3/2017									<0.08
5/4/2017									
7/18/2017									
7/19/2017									
8/1/2017									
8/4/2017									
10/3/2017	<0.08		<0.08		<0.08	<0.08	<0.08		
10/4/2017		<0.08						0.022 (J)	0.022 (J)
10/5/2017				<0.08					
10/6/2017									
1/19/2018									
1/22/2018		<0.08							
1/23/2018	<0.08		<0.08		<0.08	<0.08	<0.08		
1/24/2018								<0.08	0.023 (J)
1/25/2018				<0.08					
1/26/2018									
6/19/2018	<0.08								
6/20/2018			<0.08					<0.08	
6/21/2018									
6/25/2018					<0.08	<0.08	<0.08		
6/26/2018									0.024 (J)
6/27/2018		<0.08		<0.08					
9/25/2018					<0.08				
9/26/2018				0.023 (J)					
9/27/2018		<0.08						<0.08	
9/28/2018									<0.08
10/1/2018	<0.08								
10/2/2018			<0.08				<0.08		
10/3/2018						<0.08			
1/17/2019									
1/18/2019									
1/21/2019	<0.08						<0.08		
1/22/2019									
1/24/2019		<0.08		<0.08				<0.08	
1/25/2019									0.036 (J)
1/28/2019			<0.08						
1/30/2019					<0.08	<0.08			
1/31/2019									
6/24/2019									
6/25/2019		<0.08		<0.08			<0.08		
6/26/2019	<0.08		<0.08		0.044 (J)	0.045 (J)		<0.08	0.057 (J)
6/27/2019									
9/9/2019									
9/10/2019							<0.08		
9/11/2019			<0.08	<0.08					0.042 (J)
9/12/2019	<0.08	<0.08			<0.08	<0.08			
9/16/2019								<0.08	
9/17/2019									
3/10/2020									
3/11/2020	<0.08		<0.08						
3/12/2020				<0.08			<0.08		
3/13/2020		<0.08							

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-35	GWC-26	GWC-34	GWC-25	GWC-6	GWC-5	GWC-7	GWC-11	GWC-12
3/16/2020					<0.08	<0.08		<0.08	
3/17/2020									
3/18/2020									0.058 (J)
9/9/2020						<0.08			
9/10/2020								<0.08	0.043 (J)
9/11/2020	<0.08		<0.08		<0.08				
9/14/2020				<0.08			<0.08		
9/15/2020		<0.08							
9/16/2020									
3/15/2021									
3/16/2021	<0.08		<0.08				<0.08		<0.08
3/17/2021		<0.08		<0.08	<0.08	<0.08		<0.08	
3/18/2021									
8/16/2021									
8/18/2021	<0.08				<0.08				
8/19/2021		<0.08		<0.08		<0.08	<0.08		0.077 (J)
8/20/2021									
8/23/2021								<0.08	
8/24/2021			<0.08						
8/25/2021									
2/28/2022									
3/1/2022									
3/2/2022	<0.08		<0.08		<0.08	<0.08	<0.08		
3/7/2022								0.067 (J)	0.11
3/8/2022				<0.08					
3/9/2022		0.066 (J)							
3/10/2022									

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-8	GWC-9	GWC-23	GWC-16	GWC-31	GWC-10	GWC-18	GWC-15
3/22/2016									
3/23/2016									
3/24/2016									
3/28/2016									
3/29/2016	<0.08	<0.08	0.0635 (J)	<0.08					
3/30/2016					<0.08	<0.08	<0.08	<0.08	0.0787 (J)
3/31/2016									
5/19/2016									
5/20/2016									
5/23/2016									
5/24/2016		0.022 (J)	0.0981 (J)						
5/25/2016	<0.08			<0.08	<0.08	<0.08	<0.08		0.0536 (J)
5/26/2016								<0.08	
7/21/2016									
7/22/2016									
7/25/2016			0.26					<0.08	
7/26/2016	<0.08	<0.08							<0.08
7/27/2016				<0.08	<0.08	<0.08	<0.08		
9/14/2016									
9/15/2016	<0.08								
9/16/2016					<0.08		<0.08		
9/19/2016		<0.08	0.38					<0.08	
9/20/2016				<0.08					<0.08
11/9/2016									
11/10/2016									
11/11/2016									
11/14/2016									
11/15/2016									
11/16/2016		<0.08	0.44						
11/17/2016	<0.08				<0.08		<0.08	<0.08	<0.08
11/18/2016				<0.08					
1/17/2017									
1/19/2017									
1/20/2017									
1/24/2017									
1/25/2017						<0.08			
1/26/2017		<0.08							
1/31/2017	<0.08		0.11						
2/1/2017					<0.08		<0.08	<0.08	0.023 (J)
2/2/2017									
2/3/2017				<0.08					
3/16/2017									
3/17/2017									
3/22/2017									
3/23/2017	<0.08	<0.08	0.071			<0.08			0.042 (J)
3/24/2017					<0.08		<0.08	<0.08	
3/28/2017				<0.08					
3/29/2017									
4/27/2017									
4/28/2017									
5/1/2017									
5/2/2017			0.089			<0.08			

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-8	GWC-9	GWC-23	GWC-16	GWC-31	GWC-10	GWC-18	GWC-15
5/3/2017	<0.08	<0.08			<0.08		<0.08	<0.08	0.034 (J)
5/4/2017				<0.08					
7/18/2017									
7/19/2017						<0.08			
8/1/2017									
8/4/2017						<0.08			
10/3/2017			0.12						
10/4/2017							<0.08		0.044 (J)
10/5/2017	<0.08	<0.08		<0.08	<0.08			<0.08	
10/6/2017						<0.08			
1/19/2018									
1/22/2018									
1/23/2018						<0.08			
1/24/2018		<0.08	0.044 (J)						
1/25/2018	<0.08			<0.08	<0.08		<0.08	<0.08	0.052
1/26/2018									
6/19/2018									
6/20/2018	<0.08			<0.08	<0.08				<0.08
6/21/2018		<0.08	0.07				<0.08	<0.08	
6/25/2018									
6/26/2018									
6/27/2018						<0.08			
9/25/2018									
9/26/2018		<0.08	0.14						
9/27/2018							<0.08		
9/28/2018								<0.08	
10/1/2018				<0.08	<0.08				0.03 (J)
10/2/2018	<0.08								
10/3/2018						<0.08			
1/17/2019									
1/18/2019									
1/21/2019									
1/22/2019	<0.08	<0.08	0.038 (J)						0.1
1/24/2019									
1/25/2019				<0.08	<0.08				
1/28/2019								<0.08	
1/30/2019									
1/31/2019						<0.08	<0.08		
6/24/2019									
6/25/2019	<0.08	<0.08	0.068 (J)		<0.08				0.066 (J)
6/26/2019				<0.08		<0.08	0.053 (J)		
6/27/2019								<0.08	
9/9/2019									
9/10/2019		<0.08							
9/11/2019					<0.08	<0.08		<0.08	
9/12/2019	<0.08			<0.08					
9/16/2019			0.19						
9/17/2019							<0.08		<0.08
3/10/2020									
3/11/2020									
3/12/2020	<0.08	<0.08							
3/13/2020									

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-8	GWC-9	GWC-23	GWC-16	GWC-31	GWC-10	GWC-18	GWC-15
3/16/2020			0.052 (J)						0.14
3/17/2020					<0.08	<0.08	<0.08	<0.08	
3/18/2020				<0.08					
9/9/2020									
9/10/2020	<0.08			<0.08			<0.08		0.064 (J)
9/11/2020			0.14		<0.08	<0.08			
9/14/2020		<0.08						<0.08	
9/15/2020									
9/16/2020									
3/15/2021									
3/16/2021		<0.08	0.05 (J)			<0.08		<0.08	
3/17/2021	<0.08				<0.08				
3/18/2021				<0.08			<0.08		0.071 (J)
8/16/2021									
8/18/2021									
8/19/2021									
8/20/2021		0.04 (J)			<0.08		<0.08		
8/23/2021	<0.08			<0.08					
8/24/2021								<0.08	0.047 (J)
8/25/2021			0.083			<0.08			
2/28/2022									
3/1/2022									
3/2/2022		<0.08							
3/7/2022									0.14
3/8/2022	<0.08				<0.08		<0.08	<0.08	
3/9/2022			<0.08	<0.08					
3/10/2022						<0.08			

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-19	GWC-14	GWC-17	GWC-20	GWC-24	GWC-21	GWC-22	GWA-3 (bg)
3/22/2016								
3/23/2016								
3/24/2016								
3/28/2016								
3/29/2016								
3/30/2016	<0.08	0.291	<0.08	<0.08	<0.08	<0.08		
3/31/2016							<0.08	<0.08
5/19/2016								
5/20/2016								
5/23/2016								
5/24/2016								
5/25/2016		0.443	<0.08		<0.08			<0.08
5/26/2016	<0.08			<0.08		<0.08	<0.08	
7/21/2016								
7/22/2016								
7/25/2016	<0.08			<0.08				
7/26/2016		1.1				<0.08	<0.08	
7/27/2016			<0.08		<0.08			<0.08
9/14/2016								
9/15/2016		0.61						
9/16/2016					<0.08			
9/19/2016	<0.08		<0.08					
9/20/2016				<0.08		<0.08	<0.08	
11/9/2016								
11/10/2016								
11/11/2016								
11/14/2016								
11/15/2016								
11/16/2016								
11/17/2016	<0.08	1	<0.08	<0.08		<0.08	<0.08	
11/18/2016					<0.08			
1/17/2017								
1/19/2017								
1/20/2017								
1/24/2017								
1/25/2017								
1/26/2017								
1/31/2017								
2/1/2017		0.29	<0.08					
2/2/2017	<0.08			<0.08		<0.08		
2/3/2017					<0.08		<0.08	
3/16/2017								
3/17/2017								
3/22/2017								
3/23/2017		0.44						
3/24/2017	<0.08		<0.08					
3/28/2017				<0.08		<0.08	<0.08	
3/29/2017					<0.08			
4/27/2017								
4/28/2017								
5/1/2017								
5/2/2017								

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-19	GWC-14	GWC-17	GWC-20	GWC-24	GWC-21	GWC-22	GWA-3 (bg)
5/3/2017	<0.08	0.44	<0.08				<0.08	
5/4/2017				<0.08	<0.08	<0.08		
7/18/2017								
7/19/2017								
8/1/2017								<0.08
8/4/2017								
10/3/2017								<0.08
10/4/2017		0.95	<0.08					
10/5/2017	<0.08				<0.08		<0.08	
10/6/2017				<0.08		<0.08		
1/19/2018								
1/22/2018								
1/23/2018								
1/24/2018								
1/25/2018	<0.08	0.43	<0.08		<0.08		<0.08	
1/26/2018				<0.08		<0.08		
6/19/2018								
6/20/2018		1.2				<0.08	<0.08	<0.08
6/21/2018	<0.08			<0.08				
6/25/2018								
6/26/2018			<0.08					
6/27/2018					<0.08			
9/25/2018								
9/26/2018								
9/27/2018	<0.08			<0.08		<0.08		
9/28/2018					<0.08			
10/1/2018		0.57					<0.08	
10/2/2018			<0.08					
10/3/2018								
1/17/2019								
1/18/2019								<0.08
1/21/2019								
1/22/2019		0.63						
1/24/2019			<0.08			<0.08	<0.08	
1/25/2019								
1/28/2019	<0.08			<0.08				
1/30/2019								
1/31/2019					<0.08			
6/24/2019								
6/25/2019		0.71	<0.08	<0.08		<0.08	<0.08	<0.08
6/26/2019	0.036 (J)				<0.08			
6/27/2019								
9/9/2019								
9/10/2019							<0.08	
9/11/2019			<0.08	<0.08	0.053 (J)	<0.08		<0.08
9/12/2019	<0.08	1.8						
9/16/2019								
9/17/2019								
3/10/2020								<0.08
3/11/2020								
3/12/2020					<0.08			
3/13/2020								

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-19	GWC-14	GWC-17	GWC-20	GWC-24	GWC-21	GWC-22	GWA-3 (bg)
3/16/2020								
3/17/2020		1.2	<0.08					
3/18/2020	<0.08			<0.08		<0.08	0.041 (J)	
9/9/2020								<0.08
9/10/2020		1.1					<0.08	
9/11/2020								
9/14/2020			<0.08					
9/15/2020	<0.08			<0.08	<0.08	<0.08		
9/16/2020								
3/15/2021							<0.08	<0.08
3/16/2021			<0.08	<0.08		<0.08		
3/17/2021	<0.08	1						
3/18/2021					<0.08			
8/16/2021								
8/18/2021								<0.08
8/19/2021					<0.08	0.047 (J)	<0.08	
8/20/2021			<0.08					
8/23/2021		0.61						
8/24/2021	<0.08			<0.08				
8/25/2021								
2/28/2022								
3/1/2022								<0.08
3/2/2022								
3/7/2022		1		<0.08		<0.08		
3/8/2022	<0.08		<0.08				<0.08	
3/9/2022								
3/10/2022					<0.08			

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29 (bg)	GWA-28 (bg)	GWA-1 (bg)	GWC-30	GWC-32	GWC-33	GWA-4 (bg)	GWA-2 (bg)	GWC-27
3/22/2016	4.65	2.86							
3/23/2016			0.893	3.03	5.18	13.8	24.2	3.09	1.73
3/24/2016									
3/28/2016									
3/29/2016									
3/30/2016									
3/31/2016									
5/19/2016	5.08						33.6		
5/20/2016			0.784	3.37					
5/23/2016		2.81							
5/24/2016					6.58	9.38		3.51	0.745
5/25/2016									
5/26/2016									
7/21/2016	4.7		0.6	2.9			30		
7/22/2016					7.1	9			
7/25/2016		2.4							
7/26/2016								3.1	1.4
7/27/2016									
9/14/2016							31		
9/15/2016		2.5	0.7						
9/16/2016					8.7	11		3.6	
9/19/2016									1.2
9/20/2016				3.2					
11/9/2016		2.6							
11/10/2016							27	3.7	
11/11/2016			0.59						3.3
11/14/2016				2.8					
11/15/2016					6.9				
11/16/2016									
11/17/2016						55 (O)			
11/18/2016									
1/17/2017	3.7	2.4					26		
1/19/2017			0.59					4.2	
1/20/2017									2.2
1/24/2017				3.1					
1/25/2017						<0.25			
1/26/2017					13				
1/31/2017									
2/1/2017									
2/2/2017									
2/3/2017									
3/16/2017		2.7	0.72				27		1
3/17/2017				2.9				3.4	
3/22/2017									
3/23/2017						15			
3/24/2017					12				
3/28/2017									
3/29/2017									
4/27/2017	3.9	2.4					27		
4/28/2017			0.72					3.9	0.88
5/1/2017				3		10			
5/2/2017					15				

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29 (bg)	GWA-28 (bg)	GWA-1 (bg)	GWC-30	GWC-32	GWC-33	GWA-4 (bg)	GWA-2 (bg)	GWC-27
5/3/2017									
5/4/2017									
7/18/2017	<0.25 (*)								
7/19/2017									
8/1/2017	3.8								
8/4/2017						11			
10/3/2017	4.1	2.7					30	4.2	1.1
10/4/2017			0.73	3.3					
10/5/2017						16			
10/6/2017					15				
1/19/2018	3.7	2.6	0.7					3.8	2.5
1/22/2018							33		
1/23/2018					12	10			
1/24/2018				3.2					
1/25/2018									
1/26/2018									
6/19/2018	4.1	2.5	0.75				26	3.4	
6/20/2018									
6/21/2018				3.3					
6/25/2018									
6/26/2018					7.1	13			
6/27/2018									2.4
9/25/2018	4.6	2.8	0.73				29	4	
9/26/2018									
9/27/2018									3.4
9/28/2018									
10/1/2018									
10/2/2018					7.7	15			
10/3/2018				3.3					
1/17/2019			0.74				22	3.5	
1/18/2019	4.2								
1/21/2019		3							
1/22/2019									
1/24/2019									0.71
1/25/2019									
1/28/2019									
1/30/2019				3.4	7	17			
1/31/2019									
6/24/2019			0.76				27	5	
6/25/2019	4.8	3							
6/26/2019						19			3.7
6/27/2019				3.6	7.6				
9/9/2019			0.8						
9/10/2019	4.8	2.9		4			31	4.2	
9/11/2019									
9/12/2019					10	14			1.2
9/16/2019									
9/17/2019									
3/10/2020	4.1	2.9	0.85				26	3.3	
3/11/2020				4.1					
3/12/2020						19			0.94
3/13/2020									

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29 (bg)	GWA-28 (bg)	GWA-1 (bg)	GWC-30	GWC-32	GWC-33	GWA-4 (bg)	GWA-2 (bg)	GWC-27
3/16/2020									
3/17/2020									
3/18/2020					12				
9/9/2020	3.9	2.8	0.81				26		2.3
9/10/2020				3.9				3.4	
9/11/2020									
9/14/2020									
9/15/2020					6.6				
9/16/2020						14			
3/15/2021	4.6	3	0.82				21	3.2	
3/16/2021									
3/17/2021					8.5				
3/18/2021				3.9		17			3.1
8/16/2021		2.7	0.77						
8/18/2021	4.2						24	3.3	
8/19/2021									
8/20/2021									
8/23/2021				3.5					1.6
8/24/2021					6.1	17			
8/25/2021									
2/28/2022			0.76						
3/1/2022		2.8					24	3	
3/2/2022	4.3			3.6					
3/7/2022									
3/8/2022									2.4
3/9/2022					5.4	20			
3/10/2022									

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-35	GWC-34	GWC-26	GWC-5	GWC-25	GWC-6	GWC-23	GWC-9	GWC-12
3/22/2016									
3/23/2016									
3/24/2016	1.97	3.27	1.72						
3/28/2016				23.9	12.3	10.8			
3/29/2016							3.32	12.6	32.6
3/30/2016									
3/31/2016									
5/19/2016									
5/20/2016									
5/23/2016	1.97	2.82		26.3					
5/24/2016						13		14.9	
5/25/2016			1.68		7.2		3.4		38.3
5/26/2016									
7/21/2016	1.7	2.6		21		12			
7/22/2016									32
7/25/2016								23	
7/26/2016			1.4						
7/27/2016					5.4		2.9		
9/14/2016									
9/15/2016	1.9	2.9		20		16			33
9/16/2016									
9/19/2016			1.5		8.4			25	
9/20/2016							3.3		
11/9/2016									
11/10/2016									
11/11/2016									
11/14/2016			1.8						
11/15/2016	1.8	2.5		20	10				
11/16/2016						14		28	34
11/17/2016									
11/18/2016							2.9		
1/17/2017									
1/19/2017			1.6						
1/20/2017									
1/24/2017					14				
1/25/2017		2.7							
1/26/2017	2.2			16		13			
1/31/2017								18	40
2/1/2017									
2/2/2017									
2/3/2017							3.3		
3/16/2017			1.7						
3/17/2017									
3/22/2017	1.8	2.7		17		12			
3/23/2017					13			19	37
3/24/2017									
3/28/2017							3.1		
3/29/2017									
4/27/2017									
4/28/2017									
5/1/2017		3.1	1.6						
5/2/2017	2.1			38	41	12		18	

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-35	GWC-34	GWC-26	GWC-5	GWC-25	GWC-6	GWC-23	GWC-9	GWC-12
5/3/2017									41
5/4/2017							3.3		
7/18/2017									
7/19/2017									
8/1/2017									
8/4/2017									
10/3/2017	2.1	3.2		27		14		19	
10/4/2017			1.8						40
10/5/2017					11		3.6		
10/6/2017									
1/19/2018									
1/22/2018			1.9						
1/23/2018	2.2	3		31		14			
1/24/2018								16	38
1/25/2018					12		3.3		
1/26/2018									
6/19/2018	2								
6/20/2018		3.2					3.4		
6/21/2018								13	
6/25/2018				35		12			
6/26/2018									38
6/27/2018			1.7		8.5				
9/25/2018						15			
9/26/2018					9.2			18	
9/27/2018			2.1						
9/28/2018									46
10/1/2018	2.1						3.6		
10/2/2018		3.1							
10/3/2018				32					
1/17/2019									
1/18/2019									
1/21/2019	2								
1/22/2019								11	
1/24/2019			1.9		5.4				
1/25/2019							3.7		46
1/28/2019		2.9							
1/30/2019				34		12			
1/31/2019									
6/24/2019									
6/25/2019			1.8		3.5			14	
6/26/2019	2	2.8		39		12	3.6		43
6/27/2019									
9/9/2019									
9/10/2019									
9/11/2019		3.3			6				42
9/12/2019	1.9		1.8	31		16	3.6		
9/16/2019								19	
9/17/2019									
3/10/2020									
3/11/2020	1.8	2.6							
3/12/2020					8.9				
3/13/2020			2.3						

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-35	GWC-34	GWC-26	GWC-5	GWC-25	GWC-6	GWC-23	GWC-9	GWC-12
3/16/2020				33		12		8.9	
3/17/2020									
3/18/2020							4		46
9/9/2020				32					
9/10/2020							3.7		46
9/11/2020	2.1	2.7				15		14	
9/14/2020					3.4				
9/15/2020			2						
9/16/2020									
3/15/2021									
3/16/2021	2.2	3						11	52
3/17/2021			2.1	34	7.1	15			
3/18/2021							3.5		
8/16/2021									
8/18/2021	2.3					16			
8/19/2021			2.1	35	7.4				51
8/20/2021									
8/23/2021							3.9		
8/24/2021		2.7							
8/25/2021								12	
2/28/2022									
3/1/2022									
3/2/2022	2.6	2.8		30		14			
3/7/2022									48
3/8/2022					7.3				
3/9/2022			2				3.5	8.1	
3/10/2022									

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-11	GWC-7	GWC-8	GWC-21	GWC-10	GWC-15	GWC-24	GWC-31
3/22/2016									
3/23/2016									
3/24/2016									
3/28/2016									
3/29/2016	3.91	15	70.8	27.2					
3/30/2016					2.98	27.6	13.3	1.01	11.3
3/31/2016									
5/19/2016									
5/20/2016									
5/23/2016									
5/24/2016			63.2	30.8					
5/25/2016	4.06	18.5				28.5	10.6	0.69	12.9
5/26/2016					3.16				
7/21/2016									
7/22/2016			56						
7/25/2016		14							
7/26/2016	3.7			24	2.9		7.2		
7/27/2016						29		0.4	12
9/14/2016									
9/15/2016	3.7		60						
9/16/2016						27		1.3	
9/19/2016		18		30					
9/20/2016					3.6		6.9		
11/9/2016									
11/10/2016									
11/11/2016									
11/14/2016									
11/15/2016									
11/16/2016		15	59	30					
11/17/2016	3.5				2.8	29	6.1		
11/18/2016								1.3	
1/17/2017									
1/19/2017									
1/20/2017									
1/24/2017									
1/25/2017									8.3
1/26/2017			61	29					
1/31/2017	4.1	8							
2/1/2017						26	9.6		
2/2/2017					3.3				
2/3/2017								1.2	
3/16/2017									
3/17/2017									
3/22/2017			56						
3/23/2017	3.9	9.3		33			9.9		10
3/24/2017						24			
3/28/2017					3.2				
3/29/2017								1.3	
4/27/2017									
4/28/2017									
5/1/2017									
5/2/2017		14	59						9.8

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-11	GWC-7	GWC-8	GWC-21	GWC-10	GWC-15	GWC-24	GWC-31
5/3/2017	4.1			28		29	9.4		
5/4/2017					3.1			1.6	
7/18/2017									
7/19/2017									10
8/1/2017									
8/4/2017									13
10/3/2017			57						
10/4/2017		16				32	9.3		
10/5/2017	4.5			28				1.4	
10/6/2017					4.1				13
1/19/2018									
1/22/2018									
1/23/2018			51						11
1/24/2018		12		25					
1/25/2018	4.6					22	11	1.3	
1/26/2018					3.2				
6/19/2018									
6/20/2018	4	13			3.6		11		
6/21/2018				29		13			
6/25/2018			54						
6/26/2018									
6/27/2018								0.38	9.6
9/25/2018									
9/26/2018				34					
9/27/2018		9			4.6	13			
9/28/2018								0.81	
10/1/2018							8		
10/2/2018	4.2		52						
10/3/2018									11
1/17/2019									
1/18/2019									
1/21/2019			52						
1/22/2019	4.4			22			13		
1/24/2019		3.8			4.1				
1/25/2019									
1/28/2019									
1/30/2019									
1/31/2019						15		0.39	11
6/24/2019									
6/25/2019	4.3		50	29	5		9.8		
6/26/2019		11				16		0.34 (J)	11
6/27/2019									
9/9/2019									
9/10/2019			50	30					
9/11/2019					4.1			0.9	12
9/12/2019	4.2								
9/16/2019		14							
9/17/2019						7.2	7.7		
3/10/2020									
3/11/2020									
3/12/2020	4.3		47	19				0.42 (J)	
3/13/2020									

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-11	GWC-7	GWC-8	GWC-21	GWC-10	GWC-15	GWC-24	GWC-31
3/16/2020		3.1					14		
3/17/2020						15			10
3/18/2020					7.3				
9/9/2020									
9/10/2020	4.6	21				29	7.8		
9/11/2020									11
9/14/2020			43	27					
9/15/2020					6.4			0.15 (J)	
9/16/2020									
3/15/2021									
3/16/2021			47	28	6				9.7
3/17/2021	4.4	13							
3/18/2021						19	12	0.18 (J)	
8/16/2021									
8/18/2021									
8/19/2021			47		10			0.32 (J)	
8/20/2021				28		14			
8/23/2021	4.2	9.1							
8/24/2021							8.6		
8/25/2021									9.4
2/28/2022									
3/1/2022									
3/2/2022			47	24					
3/7/2022		6.9			6.5		11		
3/8/2022	3.9					16			
3/9/2022									
3/10/2022								0.14 (J)	8.3

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-16	GWC-18	GWC-20	GWC-19	GWC-14	GWC-17	GWC-22	GWA-3 (bg)
3/22/2016								
3/23/2016								
3/24/2016								
3/28/2016								
3/29/2016								
3/30/2016	6.72	6.88	8.78	8.32	13.8	8.15		
3/31/2016							11.5	39.6
5/19/2016								
5/20/2016								
5/23/2016								
5/24/2016								
5/25/2016	7.09				22.2	8.68		28.3
5/26/2016		6.42	9.13	6.78			11.5	
7/21/2016								
7/22/2016								
7/25/2016		5.3	7.7	4.7				
7/26/2016					28		9.5	
7/27/2016	6.4					7.9		22
9/14/2016								
9/15/2016					30			
9/16/2016	6.7							
9/19/2016		5.4		4.3		7.8		
9/20/2016			8.9				11	
11/9/2016								
11/10/2016								
11/11/2016								
11/14/2016								
11/15/2016								
11/16/2016								
11/17/2016	6.3	5.5	7.9	4.1	46	7.5	10	
11/18/2016								
1/17/2017								
1/19/2017								
1/20/2017								
1/24/2017								
1/25/2017								
1/26/2017								
1/31/2017								
2/1/2017	6.8	7.3			15	8.7		
2/2/2017			8.9	14				
2/3/2017							11	
3/16/2017								
3/17/2017								
3/22/2017								
3/23/2017					18			
3/24/2017	6.3	6.4		8.7		7.5		
3/28/2017			7.9				9.8	
3/29/2017								
4/27/2017								
4/28/2017								
5/1/2017								
5/2/2017								

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-16	GWC-18	GWC-20	GWC-19	GWC-14	GWC-17	GWC-22	GWA-3 (bg)
5/3/2017	6.9	6.8		9.9	18	8.2	10	
5/4/2017			9.1					
7/18/2017								
7/19/2017								
8/1/2017								72
8/4/2017								
10/3/2017								91 (o)
10/4/2017					48	9.1		
10/5/2017	7.4	7.3		7.5			11	
10/6/2017			9.4					
1/19/2018								
1/22/2018								
1/23/2018								
1/24/2018								
1/25/2018	7.1	7.1		8.5	19	8.3	10	
1/26/2018			8.5					
6/19/2018								
6/20/2018	6.9				45		10	43
6/21/2018		6.4	8.6	7.3				
6/25/2018								
6/26/2018						7.7		
6/27/2018								
9/25/2018								
9/26/2018								
9/27/2018			9.8	5.9				
9/28/2018		6.9						
10/1/2018	7				22		10	
10/2/2018						8.2		
10/3/2018								
1/17/2019								
1/18/2019								10
1/21/2019								
1/22/2019					25			
1/24/2019						7.7	10	
1/25/2019	7							
1/28/2019		7	8.6	9.9				
1/30/2019								
1/31/2019								
6/24/2019								
6/25/2019	7		9		26	8.4	12	10
6/26/2019				7.3				
6/27/2019		7						
9/9/2019								
9/10/2019							11	
9/11/2019	7.1	7	8.4			8		11
9/12/2019				5.4	52			
9/16/2019								
9/17/2019								
3/10/2020								11
3/11/2020								
3/12/2020								
3/13/2020								

Prediction Limit

Constituent: Calcium, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-16	GWC-18	GWC-20	GWC-19	GWC-14	GWC-17	GWC-22	GWA-3 (bg)
3/16/2020								
3/17/2020	7.4	7.6			40	8.5		
3/18/2020			8.9	11			11	
9/9/2020								12
9/10/2020					39		10	
9/11/2020	6.9							
9/14/2020		7.3				6.6		
9/15/2020			8.1	5.7				
9/16/2020								
3/15/2021							11	16
3/16/2021		7.8	8.9			7.9		
3/17/2021	7.3			9.6	38			
3/18/2021								
8/16/2021								
8/18/2021								16
8/19/2021							11	
8/20/2021	7.1					8.7		
8/23/2021					21			
8/24/2021		7.8	9.2	9.3				
8/25/2021								
2/28/2022								
3/1/2022								15
3/2/2022								
3/7/2022			8.6		31			
3/8/2022	6.6	7.5		9		7.9	11	
3/9/2022								
3/10/2022								

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28 (bg)	GWA-29 (bg)	GWA-4 (bg)	GWA-2 (bg)	GWC-33	GWC-30	GWC-27	GWC-32	GWA-1 (bg)
3/22/2016	1.3716	1.5096							
3/23/2016			9.041	2.5102	2.2604	1.3598	1.0825	1.0533	1.8057
3/24/2016									
3/28/2016									
3/29/2016									
3/30/2016									
3/31/2016									
5/19/2016		1.51	13.1						
5/20/2016						1.4			1.84
5/23/2016	1.33								
5/24/2016				4.52			1.08	1.1	
5/25/2016									
5/26/2016									
7/21/2016		1.6	17			1.4			1.9
7/22/2016								1.1	
7/25/2016	1.4								
7/26/2016				4			1.1		
7/27/2016									
9/14/2016			17						
9/15/2016	1.3								1.8
9/16/2016				4.1				1.1	
9/19/2016							1		
9/20/2016						1.3			
11/9/2016	1.4								
11/10/2016			23	4.6					
11/11/2016							0.97 (J)		1.8
11/14/2016						1.3			
11/15/2016								1.1	
11/16/2016									
11/17/2016					2.5				
11/18/2016									
1/17/2017	1.3	1.3	14						
1/19/2017				5.6					1.8
1/20/2017							0.99 (J)		
1/24/2017						1.3			
1/25/2017					2.1				
1/26/2017								1.1	
1/31/2017									
2/1/2017									
2/2/2017									
2/3/2017									
3/16/2017	1.2		16				1		1.7
3/17/2017				4.4		1.3			
3/22/2017									
3/23/2017					2				
3/24/2017								1.1	
3/28/2017									
3/29/2017									
4/27/2017	1.2	1.4	15						
4/28/2017				4.7			0.96 (J)		1.7
5/1/2017					2.1	1.3			
5/2/2017								0.99 (J)	

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28 (bg)	GWA-29 (bg)	GWA-4 (bg)	GWA-2 (bg)	GWC-33	GWC-30	GWC-27	GWC-32	GWA-1 (bg)
5/3/2017									
5/4/2017									
7/18/2017		1.2							
7/19/2017					2.1				
8/1/2017		1.3							
8/4/2017					1.9				
8/24/2017					1.9				
10/3/2017	1.2	1.2	17	4.7			0.96 (J)		
10/4/2017						1.2			1.7
10/5/2017					2.1				
10/6/2017								1.1	
1/19/2018	1.1	1		4.3			0.91 (J)		1.6
1/22/2018			15						
1/23/2018					2			<1	
1/24/2018						1.1			
1/25/2018									
1/26/2018									
6/19/2018	1.2	1.2	12	3.6					1.7
6/20/2018									
6/21/2018						1.2			
6/25/2018									
6/26/2018					2			0.89 (J)	
6/27/2018							0.92 (J)		
9/25/2018	1.2	1.2	17	4.9					1.7
9/26/2018									
9/27/2018							1		
9/28/2018									
10/1/2018									
10/2/2018					2.2			1	
10/3/2018						1.4			
1/17/2019			11	3.7					1.8
1/18/2019		1.3							
1/21/2019	1.2								
1/22/2019									
1/24/2019							1.1		
1/25/2019									
1/28/2019									
1/30/2019					2.2	1.2		0.98 (J)	
1/31/2019									
6/24/2019			11	6.1					1.7
6/25/2019	1.3	24							
6/26/2019					2.2		1.1		
6/27/2019						1.4		1.1	
9/9/2019									1.9
9/10/2019	1.3	1.3	17	5.1		1.3			
9/11/2019									
9/12/2019					2.1		0.88 (J)	0.99 (J)	
9/16/2019									
9/17/2019									
3/10/2020	1.4	1.1	10	3.9					2
3/11/2020						1.5			
3/12/2020					2.4		1.3		

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28 (bg)	GWA-29 (bg)	GWA-4 (bg)	GWA-2 (bg)	GWC-33	GWC-30	GWC-27	GWC-32	GWA-1 (bg)
3/13/2020									
3/16/2020									
3/17/2020									
3/18/2020								1.4	
9/9/2020	1.3	1.2	13				1.1		2
9/10/2020				5.1		1.4			
9/11/2020									
9/14/2020									
9/15/2020								1.1	
9/16/2020					2.2				
3/15/2021	1.2	1.2	6.7	4					2.2
3/16/2021									
3/17/2021								1.2	
3/18/2021					2.2	1.4	1.2		
8/16/2021	1.5								2.3
8/18/2021		1.4	11	5.2					
8/19/2021									
8/20/2021									
8/23/2021						1.5	1.1		
8/24/2021					2.6			1.3	
8/25/2021									
2/28/2022									2.1
3/1/2022	1.2		8.6	4.2					
3/2/2022		1.2				1.3			
3/7/2022									
3/8/2022							0.72 (J)		
3/9/2022					1.5			1	
3/10/2022									

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-35	GWC-34	GWC-26	GWC-6	GWC-5	GWC-25	GWC-11	GWC-8	GWC-9
3/22/2016									
3/23/2016									
3/24/2016	4.4998	1.2259	2.8217						
3/28/2016				5.312	9.818	5.992			
3/29/2016							3.4214	3.5914	7.395
3/30/2016									
3/31/2016									
5/19/2016									
5/20/2016									
5/23/2016	4.19	1.19			10.4				
5/24/2016				6.21				3.16	16.4
5/25/2016			2.93				5.33		
5/26/2016						8.14			
7/21/2016	4.4	1.3		6.6	11				
7/22/2016									
7/25/2016							5.8		55
7/26/2016			3					5.9	
7/27/2016						6.3			
9/14/2016									
9/15/2016	4	1.2		6.1	10				
9/16/2016									
9/19/2016			2.9			5.1	5.2	5.4	73
9/20/2016									
11/9/2016									
11/10/2016									
11/11/2016									
11/14/2016			2.8						
11/15/2016	4.2	1.2			11	3.9			
11/16/2016				6.2			6.7	6.2	83
11/17/2016									
11/18/2016									
1/17/2017									
1/19/2017			2.8						
1/20/2017									
1/24/2017						3.6			
1/25/2017		1.2							
1/26/2017	4.2			5.8	9.2			3.6	
1/31/2017							2.1		17
2/1/2017									
2/2/2017									
2/3/2017									
3/16/2017			2.7						
3/17/2017									
3/22/2017	3.9	1.1		5.2	8.7				
3/23/2017						3.2	2	3.9	8.2
3/24/2017									
3/28/2017									
3/29/2017									
4/27/2017									
4/28/2017									
5/1/2017		1.1	2.8						
5/2/2017	4			5.1	13	3.5	3.3		11

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-35	GWC-34	GWC-26	GWC-6	GWC-5	GWC-25	GWC-11	GWC-8	GWC-9
5/3/2017								6.1	
5/4/2017									
7/18/2017									
7/19/2017									
8/1/2017									
8/4/2017									
8/24/2017									
10/3/2017	3.8	1.1		5.4	12				10
10/4/2017			2.8				3.5		
10/5/2017						3.5		6.4	
10/6/2017									
1/19/2018									
1/22/2018			2.6						
1/23/2018	3.5	0.95 (J)		5.1	13				
1/24/2018							2.3	3.5	5.6
1/25/2018						3.6			
1/26/2018									
6/19/2018	3.4								
6/20/2018		1.1					3.1		
6/21/2018								4.5	4.5
6/25/2018				5.5	12				
6/26/2018									
6/27/2018			2.8			5.2			
9/25/2018				6.3					
9/26/2018						5.6		5.4	19
9/27/2018			3				3.3		
9/28/2018									
10/1/2018	3.6								
10/2/2018		1.1							
10/3/2018					17				
1/17/2019									
1/18/2019									
1/21/2019	3.5								
1/22/2019								2.8	2.3
1/24/2019			3.1			8.7	0.94 (J)		
1/25/2019									
1/28/2019		1.3							
1/30/2019				5.3	15				
1/31/2019									
6/24/2019									
6/25/2019			3			9		3.9	7.7
6/26/2019	3.4	1.2		6	10		3.2		
6/27/2019									
9/9/2019									
9/10/2019								6	
9/11/2019		1.1				7.9			
9/12/2019	3.2		2.3	7.7	13				
9/16/2019							3.1		29
9/17/2019									
3/10/2020									
3/11/2020	3.5	1.4							
3/12/2020						6.9		2.9	

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-35	GWC-34	GWC-26	GWC-6	GWC-5	GWC-25	GWC-11	GWC-8	GWC-9
3/13/2020			3.1						
3/16/2020				9.7	9.5		0.81 (J)		2.3
3/17/2020									
3/18/2020									
9/9/2020					10				
9/10/2020							4.2		
9/11/2020	3.9	1.2		8.1					17
9/14/2020						8.2		5.5	
9/15/2020			3.1						
9/16/2020									
3/15/2021									
3/16/2021	4.2	1.1						3.7	3.3
3/17/2021			3	7.8	9.7	5.9	2.8		
3/18/2021									
8/16/2021									
8/18/2021	4.5			7.5					
8/19/2021			3.1		10	5.9			
8/20/2021								4.1	
8/23/2021							2.7		
8/24/2021		1.4							
8/25/2021									7.4
2/28/2022									
3/1/2022									
3/2/2022	4.6	1.1		7.6	11			3	
3/7/2022							1.4		
3/8/2022						4.6			
3/9/2022			3.3						4
3/10/2022									

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-23	GWC-12	GWC-21	GWC-10	GWC-19	GWC-16	GWC-18	GWC-24
3/22/2016									
3/23/2016									
3/24/2016									
3/28/2016									
3/29/2016	1.3057	1.9463	10.931						
3/30/2016				3.9326	3.7204	2.2278	1.4751	1.9012	4.6264
3/31/2016									
5/19/2016									
5/20/2016									
5/23/2016									
5/24/2016									
5/25/2016	1.27	1.96	10.5		3.89		1.43		4.6
5/26/2016				3.59		1.53		1.78	
7/21/2016									
7/22/2016			13						
7/25/2016						1.5		1.7	
7/26/2016	1.4			3.3					
7/27/2016		2.1			6.5		1.7		4.9
9/14/2016									
9/15/2016	1.3		13						
9/16/2016					5.9		1.5		3.6
9/19/2016						1.4		1.6	
9/20/2016		1.9		3.1					
11/9/2016									
11/10/2016									
11/11/2016									
11/14/2016									
11/15/2016									
11/16/2016			14						
11/17/2016	1.2			3	7.9	1.4	1.4	1.5	
11/18/2016		1.8							3.4
1/17/2017									
1/19/2017									
1/20/2017									
1/24/2017									
1/25/2017									
1/26/2017									
1/31/2017	1.2		17						
2/1/2017					4.9		1.4	1.9	
2/2/2017				<1		3.1			
2/3/2017		1.9							3.6
3/16/2017									
3/17/2017									
3/22/2017									
3/23/2017	1.2		20						
3/24/2017					2.6	2.1	1.3	1.8	
3/28/2017		1.8		3.4					
3/29/2017									3.2
4/27/2017									
4/28/2017									
5/1/2017									
5/2/2017									

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-23	GWC-12	GWC-21	GWC-10	GWC-19	GWC-16	GWC-18	GWC-24
5/3/2017	1.1		18		3.9	1.8	1.3	1.6	
5/4/2017		1.8		3.4					3.2
7/18/2017									
7/19/2017									
8/1/2017									
8/4/2017									
8/24/2017									
10/3/2017									
10/4/2017			18		3.9				
10/5/2017	1.1	1.8				1.6	1.3	1.5	3.3
10/6/2017				3.2					
1/19/2018									
1/22/2018									
1/23/2018									
1/24/2018			19						
1/25/2018	1	1.6			4.2	1.7	1.2	1.6	3.1
1/26/2018				3.3					
6/19/2018									
6/20/2018	1.2	1.9		3.5			1.3		
6/21/2018					4.6	1.6		1.5	
6/25/2018									
6/26/2018			20						
6/27/2018									3.8
9/25/2018									
9/26/2018									
9/27/2018				3.1	5.4	1.3			
9/28/2018			21					1.6	3.8
10/1/2018		1.9					1.4		
10/2/2018	1.3								
10/3/2018									
1/17/2019									
1/18/2019									
1/21/2019									
1/22/2019	1.2								
1/24/2019				4.1					
1/25/2019		2	23				1.5		
1/28/2019						2.2		1.7	
1/30/2019									
1/31/2019					4				4.1
6/24/2019									
6/25/2019	1.3			3.5			1.5		
6/26/2019		2	21		4.2	1.5			4.4
6/27/2019								1.6	
9/9/2019									
9/10/2019									
9/11/2019			23	2.9			1.6	1.5	4.2
9/12/2019	1	1.9				1.3			
9/16/2019									
9/17/2019					3.6				
3/10/2020									
3/11/2020									
3/12/2020	1.3								4.2

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-23	GWC-12	GWC-21	GWC-10	GWC-19	GWC-16	GWC-18	GWC-24
3/13/2020									
3/16/2020									
3/17/2020					3.7		1.9	1.9	
3/18/2020		2.1	22	3.8		2.5			
9/9/2020									
9/10/2020	1.4	2.1	25		4.6				
9/11/2020							1.7		
9/14/2020								1.8	
9/15/2020				3.2		1.4			4.9
9/16/2020									
3/15/2021									
3/16/2021			27	3.5				1.8	
3/17/2021	1.4					2.2	1.6		
3/18/2021		2			3.2				4.4
8/16/2021									
8/18/2021									
8/19/2021			27	15					5.2
8/20/2021					4.8		1.8		
8/23/2021	1.3	2.2							
8/24/2021						1.9		2	
8/25/2021									
2/28/2022									
3/1/2022									
3/2/2022									
3/7/2022			33	3.7					
3/8/2022	1.4				4.8	1.5	1.7	1.6	
3/9/2022		1.4							
3/10/2022									3.2

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-14	GWC-31	GWC-15	GWC-17	GWC-20	GWA-3 (bg)	GWC-22	GWC-7
3/22/2016								
3/23/2016								
3/24/2016								
3/28/2016								
3/29/2016								8.5125 (O)
3/30/2016	49.11	1.9069	9.921	1.3046	2.0074			
3/31/2016						8.3045	1.8479	
5/19/2016								
5/20/2016								
5/23/2016								
5/24/2016								32.8
5/25/2016	65.8	1.89	6.31	1.31		10.1		
5/26/2016					2		1.71	
7/21/2016								
7/22/2016								31
7/25/2016					2.1			
7/26/2016	64		3.6				1.8	
7/27/2016				1.4		10		
9/14/2016								
9/15/2016	110							29
9/16/2016								
9/19/2016				1.3				
9/20/2016			2.7		2		1.7	
11/9/2016								
11/10/2016								
11/11/2016								
11/14/2016								
11/15/2016								
11/16/2016								32
11/17/2016	180		2.5	1.3	1.9		1.7	
11/18/2016								
1/17/2017								
1/19/2017								
1/20/2017								
1/24/2017								
1/25/2017		1.9						
1/26/2017								29
1/31/2017								
2/1/2017	46		5.4	1.2				
2/2/2017					1.9			
2/3/2017							1.6	
3/16/2017								
3/17/2017								
3/22/2017								28
3/23/2017	68		6.6					
3/24/2017				1.1				
3/28/2017					1.8		1.5	
3/29/2017								
4/27/2017								
4/28/2017								
5/1/2017								
5/2/2017								26

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-14	GWC-31	GWC-15	GWC-17	GWC-20	GWA-3 (bg)	GWC-22	GWC-7
5/3/2017	49		5.1	1.2			1.5	
5/4/2017					1.9			
7/18/2017								
7/19/2017		1.6						
8/1/2017								
8/4/2017								
8/24/2017								
10/3/2017						9.5		23
10/4/2017	160		4.2	1.1				
10/5/2017							1.5	
10/6/2017		1.7			1.8			
1/19/2018								
1/22/2018								
1/23/2018		1.4						18
1/24/2018								
1/25/2018	52		6.5	0.99 (J)			1.3	
1/26/2018					1.6			
6/19/2018								
6/20/2018	150		3.4			12	1.5	
6/21/2018					1.9			
6/25/2018								19
6/26/2018				1.1				
6/27/2018		1.5						
9/25/2018								
9/26/2018								
9/27/2018					1.8			
9/28/2018								
10/1/2018	74		4.3				1.6	
10/2/2018				1.2				19
10/3/2018		1.7						
1/17/2019								
1/18/2019						19		
1/21/2019								17
1/22/2019	80		9.1					
1/24/2019				1.2			1.6	
1/25/2019								
1/28/2019					2			
1/30/2019								
1/31/2019		1.3						
6/24/2019								
6/25/2019	82		5.8	1.2	1.9	<1	1.7	16
6/26/2019		1.5						
6/27/2019								
9/9/2019								
9/10/2019							1.6	15
9/11/2019				1.1	1.9	22		
9/12/2019	190							
9/16/2019								
9/17/2019			2.8					
3/10/2020						43		
3/11/2020								
3/12/2020								13

Prediction Limit

Constituent: Chloride, Total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-14	GWC-31	GWC-15	GWC-17	GWC-20	GWA-3 (bg)	GWC-22	GWC-7
3/13/2020								
3/16/2020			9.5					
3/17/2020	120	1.6		1.3				
3/18/2020					2.1		1.8	
9/9/2020						34		
9/10/2020	140		3.7				1.6	
9/11/2020		1.7						
9/14/2020				1.3				12
9/15/2020					2			
9/16/2020								
3/15/2021						49	1.5	
3/16/2021		1.4		1.2	2			13
3/17/2021	140							
3/18/2021			6.3					
8/16/2021								
8/18/2021						41		
8/19/2021							1.8	12
8/20/2021				1.4				
8/23/2021	99							
8/24/2021			5.1		2.5			
8/25/2021		1.5						
2/28/2022								
3/1/2022						15		
3/2/2022								22
3/7/2022	160		8.8		2.3			
3/8/2022				0.86 (J)			1.3	
3/9/2022								
3/10/2022		0.94 (J)						

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29 (bg)	GWA-28 (bg)	GWA-1 (bg)	GWA-4 (bg)	GWA-2 (bg)	GWC-32	GWC-30	GWC-33	GWC-27
3/22/2016	2.2163	1.4375							
3/23/2016			0.019 (J)	0.0713 (J)	0.0276 (J)	2.1209	0.0999 (J)	2.8158	0.4759
3/24/2016									
3/28/2016									
3/29/2016									
3/30/2016									
3/31/2016									
5/19/2016	2.35			0.078 (J)					
5/20/2016			0.02 (J)				0.104 (J)		
5/23/2016		1.62							
5/24/2016					0.023 (J)	2.71			0.198 (J)
5/25/2016									
5/26/2016									
7/21/2016	3.2		<0.1	<0.1			0.11 (J)		
7/22/2016						3.5			
7/25/2016		1.7							
7/26/2016					<0.1				1.2
7/27/2016									
9/14/2016				<0.1					
9/15/2016		1.6	<0.1						
9/16/2016					<0.1	3.5			
9/19/2016									0.64
9/20/2016							0.092 (J)		
11/9/2016		1.7							
11/10/2016				<0.1	<0.1				
11/11/2016			<0.1						1.2
11/14/2016							<0.1		
11/15/2016						3.2			
11/16/2016									
11/17/2016								4.1	
11/18/2016									
1/17/2017	2.6	1.6		<0.1					
1/19/2017			<0.1		<0.1				
1/20/2017									0.83
1/24/2017							0.094 (J)		
1/25/2017								5.6	
1/26/2017						3.9			
1/31/2017									
2/1/2017									
2/2/2017									
2/3/2017									
3/16/2017		1.7	<0.1	<0.1					0.32
3/17/2017					<0.1		0.084 (J)		
3/22/2017									
3/23/2017								3.1	
3/24/2017						3.2			
3/28/2017									
3/29/2017									
4/27/2017	2.5	1.4		<0.1					
4/28/2017			<0.1		<0.1				0.83
5/1/2017							0.092 (J)	4.2	
5/2/2017						3.5			

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29 (bg)	GWA-28 (bg)	GWA-1 (bg)	GWA-4 (bg)	GWA-2 (bg)	GWC-32	GWC-30	GWC-33	GWC-27
5/3/2017									
5/4/2017									
7/18/2017	2.2								
7/19/2017								3.4	
8/1/2017	2.5								
8/4/2017								4	
8/24/2017								4.2	
10/3/2017	2.3	1.7		<0.1	<0.1				0.18 (J)
10/4/2017			<0.1				0.091 (J)		
10/5/2017								3.9	
10/6/2017						3.5			
1/19/2018	2.1	1.4	<0.1		<0.1				0.6
1/22/2018				<0.1					
1/23/2018						3.1		3.4	
1/24/2018							<0.1		
1/25/2018									
1/26/2018									
6/19/2018	2.3	1.6	<0.1	0.084 (J)	<0.1				
6/20/2018									
6/21/2018							<0.1		
6/25/2018									
6/26/2018						2.6		2.1	
6/27/2018									0.73
9/25/2018	2.3	1.7	<0.1	<0.1	<0.1				
9/26/2018									
9/27/2018									0.91
9/28/2018									
10/1/2018									
10/2/2018						2.4		2.1	
10/3/2018							0.13 (J)		
1/17/2019			<0.1	0.06 (J)	<0.1				
1/18/2019	2								
1/21/2019		1.6							
1/22/2019									
1/24/2019									0.039 (J)
1/25/2019									
1/28/2019									
1/30/2019						2.3	0.1 (J)	2.3	
1/31/2019									
6/24/2019			0.031 (J)	0.08 (J)	0.032 (J)				
6/25/2019	0.034 (J)	1.9							
6/26/2019								2.4	0.85
6/27/2019						2	0.073 (J)		
9/9/2019			<0.1						
9/10/2019	2.6	1.8		0.091 (J)	<0.1		0.1 (J)		
9/11/2019									
9/12/2019						2.8		2.4	0.18
9/16/2019									
9/17/2019									
3/10/2020	1.7	2	<0.1	0.056 (J)	<0.1				
3/11/2020							0.066 (J)		
3/12/2020								2.1	0.044 (J)

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29 (bg)	GWA-28 (bg)	GWA-1 (bg)	GWA-4 (bg)	GWA-2 (bg)	GWC-32	GWC-30	GWC-33	GWC-27
3/13/2020									
3/16/2020									
3/17/2020									
3/18/2020						2.8			
9/9/2020	1.9	1.8	<0.1	0.06 (J)					0.8
9/10/2020					<0.1		0.081 (J)		
9/11/2020									
9/14/2020									
9/15/2020						2.2			
9/16/2020								1.4	
3/15/2021	1.7	1.3	0.036 (J)	0.046 (J)	<0.1				
3/16/2021									
3/17/2021						2.3			
3/18/2021							0.072 (J)	2.1	0.72
8/16/2021		1.6	<0.1						
8/18/2021	2			0.079 (J)	<0.1				
8/19/2021									
8/20/2021									
8/23/2021							0.12		0.27
8/24/2021						2.1		1.1	
8/25/2021									
2/28/2022			<0.1						
3/1/2022		1.3		0.035 (J)	<0.1				
3/2/2022	1.8						0.047 (J)		
3/7/2022									
3/8/2022									0.5
3/9/2022						1.9		2.1	
3/10/2022									

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-26	GWC-34	GWC-35	GWC-25	GWC-6	GWC-5	GWC-12	GWC-8	GWC-23
3/22/2016									
3/23/2016									
3/24/2016	0.0318 (J)	0.1653 (J)	0.0396 (J)						
3/28/2016				0.0542 (J)	0.0752 (J)	0.1116 (J)			
3/29/2016							0.1936 (J)	0.0698 (J)	0.0308 (J)
3/30/2016									
3/31/2016									
5/19/2016									
5/20/2016									
5/23/2016		0.155 (J)	0.0343 (J)			0.1022 (J)			
5/24/2016					0.081 (J)			0.072 (J)	
5/25/2016	0.0282 (J)						0.1797 (J)		0.0285 (J)
5/26/2016				0.034 (J)					
7/21/2016		0.19 (J)	<0.1		0.088 (J)	0.11 (J)			
7/22/2016							0.22		
7/25/2016									
7/26/2016	<0.1							0.092 (J)	
7/27/2016				<0.1					<0.1
9/14/2016									
9/15/2016		0.16 (J)	<0.1		0.084 (J)	0.084 (J)	0.18 (J)		
9/16/2016									
9/19/2016	<0.1			<0.1				<0.1	
9/20/2016									<0.1
11/9/2016									
11/10/2016									
11/11/2016									
11/14/2016	<0.1								
11/15/2016		0.14 (J)	<0.1	<0.1		<0.1			
11/16/2016					<0.1		0.16 (J)	<0.1	
11/17/2016									
11/18/2016									<0.1
1/17/2017									
1/19/2017	<0.1								
1/20/2017									
1/24/2017				<0.1					
1/25/2017		0.16 (J)							
1/26/2017			<0.1		<0.1	<0.1		<0.1	
1/31/2017							0.19 (J)		
2/1/2017									
2/2/2017									
2/3/2017									<0.1
3/16/2017	<0.1								
3/17/2017									
3/22/2017		0.14 (J)	<0.1		<0.1	<0.1			
3/23/2017				<0.1			0.17 (J)	<0.1	
3/24/2017									
3/28/2017									<0.1
3/29/2017									
4/27/2017									
4/28/2017									
5/1/2017	<0.1	0.16 (J)							
5/2/2017			<0.1	<0.1	<0.1	0.1 (J)			

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-26	GWC-34	GWC-35	GWC-25	GWC-6	GWC-5	GWC-12	GWC-8	GWC-23
5/3/2017							0.19 (J)	<0.1	
5/4/2017									<0.1
7/18/2017									
7/19/2017									
8/1/2017									
8/4/2017									
8/24/2017									
10/3/2017		0.17 (J)	<0.1		<0.1	0.089 (J)			
10/4/2017	<0.1						0.2		
10/5/2017				<0.1				0.085 (J)	<0.1
10/6/2017									
1/19/2018									
1/22/2018	<0.1								
1/23/2018		0.13 (J)	<0.1		<0.1	0.085 (J)			
1/24/2018							0.16 (J)	<0.1	
1/25/2018				<0.1					<0.1
1/26/2018									
6/19/2018			<0.1						
6/20/2018		0.18 (J)							<0.1
6/21/2018								<0.1	
6/25/2018					<0.1	0.097 (J)			
6/26/2018							0.18 (J)		
6/27/2018	<0.1			<0.1					
9/25/2018					<0.1				
9/26/2018				<0.1				<0.1	
9/27/2018	<0.1								
9/28/2018							0.2		
10/1/2018			<0.1						<0.1
10/2/2018		0.18 (J)							
10/3/2018						0.13 (J)			
1/17/2019									
1/18/2019									
1/21/2019			0.031 (J)						
1/22/2019								0.062 (J)	
1/24/2019	<0.1			<0.1					
1/25/2019							0.21		<0.1
1/28/2019		0.19 (J)							
1/30/2019					0.078 (J)	0.11 (J)			
1/31/2019									
6/24/2019									
6/25/2019	0.047 (J)			0.033 (J)				0.055 (J)	
6/26/2019		0.11 (J)	0.045 (J)		0.059 (J)	0.081 (J)	0.16 (J)		0.042 (J)
6/27/2019									
9/9/2019									
9/10/2019								0.1 (J)	
9/11/2019		0.15		0.039 (J)			0.17		
9/12/2019	<0.1		0.038 (J)		0.076 (J)	0.078 (J)			0.033 (J)
9/16/2019									
9/17/2019									
3/10/2020									
3/11/2020		0.18 (J)	0.035 (J)						
3/12/2020				0.032 (J)				0.043 (J)	

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-26	GWC-34	GWC-35	GWC-25	GWC-6	GWC-5	GWC-12	GWC-8	GWC-23
3/13/2020	0.026 (J)								
3/16/2020					0.073 (J)	0.076 (J)			
3/17/2020									
3/18/2020							0.058 (J)		0.034 (J)
9/9/2020						0.096 (J)			
9/10/2020							0.16		0.029 (J)
9/11/2020		0.15	0.034 (J)		0.079 (J)				
9/14/2020				0.031 (J)				0.062 (J)	
9/15/2020	<0.1								
9/16/2020									
3/15/2021									
3/16/2021		0.13	0.03 (J)				0.14	0.044 (J)	
3/17/2021	<0.1			0.03 (J)	0.073 (J)	0.094 (J)			
3/18/2021									<0.1
8/16/2021									
8/18/2021			0.11		0.14				
8/19/2021	0.1			0.11		0.19	0.26		
8/20/2021								0.1	
8/23/2021									0.051 (J)
8/24/2021		0.22							
8/25/2021									
2/28/2022									
3/1/2022									
3/2/2022		0.086 (J)	<0.1		0.082 (J)	0.093 (J)		0.058 (J)	
3/7/2022							0.18		
3/8/2022				0.057 (J)					
3/9/2022	0.049 (J)								0.049 (J)
3/10/2022									

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-7	GWC-11	GWC-9	GWC-13	GWC-19	GWC-10	GWC-15	GWC-20	GWC-16
3/22/2016									
3/23/2016									
3/24/2016									
3/28/2016									
3/29/2016	0.2179 (J)	0.1377 (J)	0.0671 (J)	0.1084 (J)					
3/30/2016					0.0369 (J)	1.2013	0.0785 (J)	0.04 (J)	0.0391 (J)
3/31/2016									
5/19/2016									
5/20/2016									
5/23/2016									
5/24/2016	0.216 (J)		0.06 (J)						
5/25/2016		0.1521 (J)		0.1002 (J)		1.34	0.0757 (J)		0.034 (J)
5/26/2016					0.031 (J)			0.041 (J)	
7/21/2016									
7/22/2016	0.23								
7/25/2016		0.21	0.096 (J)		<0.1			<0.1	
7/26/2016				0.12 (J)			0.11 (J)		
7/27/2016						1.5			<0.1
9/14/2016									
9/15/2016	0.22			0.1 (J)					
9/16/2016						1.3			<0.1
9/19/2016		0.15 (J)	<0.1		<0.1				
9/20/2016							<0.1	<0.1	
11/9/2016									
11/10/2016									
11/11/2016									
11/14/2016									
11/15/2016									
11/16/2016	0.22	0.14 (J)	<0.1						
11/17/2016				0.092 (J)	<0.1	0.76	<0.1	<0.1	<0.1
11/18/2016									
1/17/2017									
1/19/2017									
1/20/2017									
1/24/2017									
1/25/2017									
1/26/2017	0.23								
1/31/2017		<0.1	<0.1	0.11 (J)					
2/1/2017						1.3	0.086 (J)		<0.1
2/2/2017					<0.1			<0.1	
2/3/2017									
3/16/2017									
3/17/2017									
3/22/2017	0.2								
3/23/2017		0.097 (J)	0.12 (J)	0.088 (J)			<0.1		
3/24/2017					<0.1	1.3			<0.1
3/28/2017								<0.1	
3/29/2017									
4/27/2017									
4/28/2017									
5/1/2017									
5/2/2017	0.21	0.11 (J)	<0.1						

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-7	GWC-11	GWC-9	GWC-13	GWC-19	GWC-10	GWC-15	GWC-20	GWC-16
5/3/2017				0.098 (J)	<0.1	1.1	<0.1		<0.1
5/4/2017								<0.1	
7/18/2017									
7/19/2017									
8/1/2017									
8/4/2017									
8/24/2017									
10/3/2017	0.23		<0.1						
10/4/2017		0.16 (J)				1.2	<0.1		
10/5/2017				0.1 (J)	<0.1				<0.1
10/6/2017								<0.1	
1/19/2018									
1/22/2018									
1/23/2018	0.17 (J)								
1/24/2018		0.11 (J)	<0.1						
1/25/2018				0.1 (J)	<0.1	0.75	<0.1		<0.1
1/26/2018								<0.1	
6/19/2018									
6/20/2018		0.13 (J)		0.11 (J)			0.093 (J)		<0.1
6/21/2018			<0.1		<0.1	0.76		<0.1	
6/25/2018	0.25								
6/26/2018									
6/27/2018									
9/25/2018									
9/26/2018			0.082 (J)						
9/27/2018		0.12 (J)			<0.1	0.59		<0.1	
9/28/2018									
10/1/2018							0.1 (J)		<0.1
10/2/2018	0.25			0.13 (J)					
10/3/2018									
1/17/2019									
1/18/2019									
1/21/2019	0.22								
1/22/2019			0.065 (J)	0.1 (J)			0.071 (J)		
1/24/2019		0.076 (J)							
1/25/2019									0.027 (J)
1/28/2019					<0.1			<0.1	
1/30/2019									
1/31/2019						0.78			
6/24/2019									
6/25/2019	0.21		0.066 (J)	0.084 (J)			0.068 (J)	0.049 (J)	0.052 (J)
6/26/2019		0.096 (J)			0.046 (J)	0.68			
6/27/2019									
9/9/2019									
9/10/2019	0.28								
9/11/2019								0.039 (J)	0.038 (J)
9/12/2019				0.065 (J)	0.031 (J)				
9/16/2019		0.12 (J)	0.062 (J)						
9/17/2019						0.29	0.071 (J)		
3/10/2020									
3/11/2020									
3/12/2020	0.16			0.044 (J)					

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-7	GWC-11	GWC-9	GWC-13	GWC-19	GWC-10	GWC-15	GWC-20	GWC-16
3/13/2020									
3/16/2020		0.051 (J)	0.08 (J)				0.07 (J)		
3/17/2020						0.74			<0.1
3/18/2020					0.068 (J)			0.048 (J)	
9/9/2020									
9/10/2020		0.14		0.1		0.81	0.08 (J)		
9/11/2020			0.082 (J)						0.04 (J)
9/14/2020	0.19								
9/15/2020					<0.1			0.033 (J)	
9/16/2020									
3/15/2021									
3/16/2021	0.21		0.043 (J)					0.031 (J)	
3/17/2021		0.08 (J)		0.1	<0.1				0.031 (J)
3/18/2021						1.1	0.073 (J)		
8/16/2021									
8/18/2021									
8/19/2021	0.35								
8/20/2021						0.89			0.065 (J)
8/23/2021		0.21		0.12					
8/24/2021					0.078 (J)		0.13	0.077 (J)	
8/25/2021			0.1						
2/28/2022									
3/1/2022									
3/2/2022	0.16								
3/7/2022		0.14					0.12	0.07 (J)	
3/8/2022				0.13	0.046 (J)	1.2			0.057 (J)
3/9/2022			0.068 (J)						
3/10/2022									

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-31	GWC-17	GWC-21	GWC-18	GWC-14	GWC-24	GWA-3 (bg)	GWC-22
3/22/2016								
3/23/2016								
3/24/2016								
3/28/2016								
3/29/2016								
3/30/2016	1.5245	0.0422 (J)	0.0137 (J)	0.0362 (J)	0.0355 (J)	0.0255 (J)		
3/31/2016							0.0551 (J)	0.0429 (J)
5/19/2016								
5/20/2016								
5/23/2016								
5/24/2016								
5/25/2016	1.65	0.045 (J)			0.0265 (J)	0.0182 (J)	0.0485 (J)	
5/26/2016			0.014 (J)	0.038 (J)				0.048 (J)
7/21/2016								
7/22/2016								
7/25/2016				<0.1				
7/26/2016			<0.1		0.1 (J)			<0.1
7/27/2016		<0.1				<0.1	<0.1	
9/14/2016								
9/15/2016					<0.1			
9/16/2016						<0.1		
9/19/2016		<0.1		<0.1				
9/20/2016			<0.1					<0.1
11/9/2016								
11/10/2016								
11/11/2016								
11/14/2016								
11/15/2016								
11/16/2016								
11/17/2016		<0.1	<0.1	<0.1	<0.1			<0.1
11/18/2016						<0.1		
1/17/2017								
1/19/2017								
1/20/2017								
1/24/2017								
1/25/2017	1.4							
1/26/2017								
1/31/2017								
2/1/2017		<0.1		<0.1	<0.1			
2/2/2017			<0.1					
2/3/2017						<0.1		<0.1
3/16/2017								
3/17/2017								
3/22/2017								
3/23/2017					<0.1			
3/24/2017		<0.1		<0.1				
3/28/2017			<0.1					<0.1
3/29/2017						<0.1		
4/27/2017								
4/28/2017								
5/1/2017								
5/2/2017								

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-31	GWC-17	GWC-21	GWC-18	GWC-14	GWC-24	GWA-3 (bg)	GWC-22
5/3/2017		<0.1		<0.1	<0.1			<0.1
5/4/2017			<0.1			<0.1		
7/18/2017								
7/19/2017	1.6							
8/1/2017								
8/4/2017								
8/24/2017								
10/3/2017							<0.1	
10/4/2017		<0.1			<0.1			
10/5/2017				<0.1		<0.1		<0.1
10/6/2017	1.6		<0.1					
1/19/2018								
1/22/2018								
1/23/2018	1.5							
1/24/2018								
1/25/2018		<0.1		<0.1	<0.1	<0.1		<0.1
1/26/2018			<0.1					
6/19/2018								
6/20/2018			<0.1		<0.1		<0.1	<0.1
6/21/2018				<0.1				
6/25/2018								
6/26/2018		<0.1						
6/27/2018	1.6					<0.1		
9/25/2018								
9/26/2018								
9/27/2018			<0.1					
9/28/2018				<0.1		<0.1		
10/1/2018					0.083 (J)			<0.1
10/2/2018		<0.1						
10/3/2018	1.7							
1/17/2019								
1/18/2019							0.028 (J)	
1/21/2019								
1/22/2019					0.057 (J)			
1/24/2019		<0.1	<0.1					<0.1
1/25/2019								
1/28/2019				<0.1				
1/30/2019								
1/31/2019	1.3					<0.1		
6/24/2019								
6/25/2019		0.051 (J)	0.032 (J)		0.054 (J)		0.03 (J)	0.052 (J)
6/26/2019	1.3					0.04 (J)		
6/27/2019				0.046 (J)				
9/9/2019								
9/10/2019								<0.1
9/11/2019		0.043 (J)	<0.1	0.036 (J)		<0.1	0.033 (J)	
9/12/2019					<0.1			
9/16/2019								
9/17/2019								
3/10/2020							0.035 (J)	
3/11/2020								
3/12/2020						<0.1		

Prediction Limit

Constituent: Fluoride, total (mg/L) Analysis Run 5/11/2022 5:01 PM View: PLs Interwell App III

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-31	GWC-17	GWC-21	GWC-18	GWC-14	GWC-24	GWA-3 (bg)	GWC-22
3/13/2020								
3/16/2020								
3/17/2020	1.2	<0.1		<0.1	0.046 (J)			
3/18/2020			0.034 (J)					0.056 (J)
9/9/2020							0.032 (J)	
9/10/2020					0.038 (J)			0.043 (J)
9/11/2020	1.5							
9/14/2020		0.056 (J)		0.033 (J)				
9/15/2020			<0.1			<0.1		
9/16/2020								
3/15/2021							0.027 (J)	0.045 (J)
3/16/2021	1.3	0.034 (J)	<0.1	0.029 (J)				
3/17/2021					0.036 (J)			
3/18/2021						<0.1		
8/16/2021								
8/18/2021							0.035 (J)	
8/19/2021			0.48 (J)			0.089 (J)		0.031 (J)
8/20/2021		0.091 (J)						
8/23/2021					0.068 (J)			
8/24/2021				0.083 (J)				
8/25/2021	1.5							
2/28/2022								
3/1/2022							<0.1	
3/2/2022								
3/7/2022			0.043 (J)		0.071 (J)			
3/8/2022		0.057 (J)		0.058 (J)				0.054 (J)
3/9/2022								
3/10/2022	1.5					0.037 (J)		

FIGURE L.

Trend Test Summary (Prediction Limit Exceedances) - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 1:13 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/L)	**GWA-4 (bg)**	**0.004632**	**165**	**152**	**Yes**	**31**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Barium (mg/L)	**GWC-14**	**0.02455**	**323**	**152**	**Yes**	**31**	**3.226**	**n/a**	**n/a**	**0.01**	**NP**
Copper (mg/L)	**GWA-29 (bg)**	**-0.0007484**	**-152**	**-105**	**Yes**	**24**	**12.5**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate as SO4 (mg/L)	**GWC-12**	**1.941**	**157**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**

Trend Test Summary (Prediction Limit Exceedances) - All Results

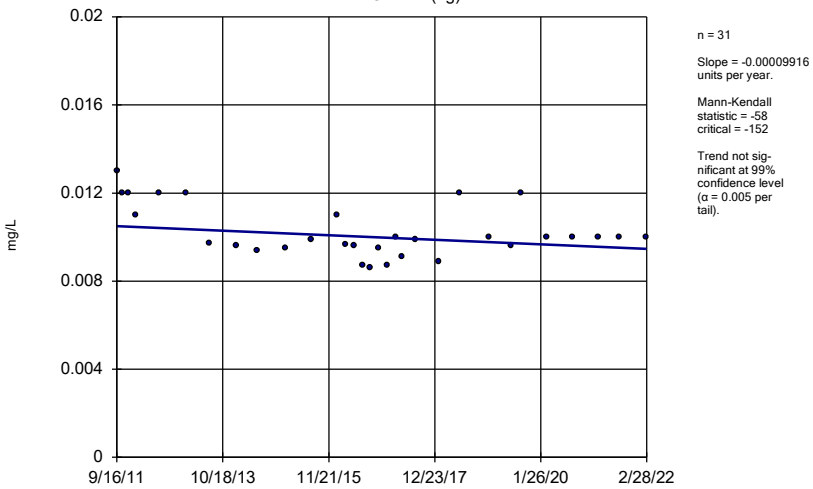
Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/14/2022, 1:13 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/L)	GWA-1 (bg)	-0.00009916	-58	-152	No	31	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-2 (bg)	-0.0002081	-54	-152	No	31	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-28 (bg)	0	72	152	No	31	45.16	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-29 (bg)	0.00008162	54	139	No	29	27.59	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-3 (bg)	0.007087	47	63	No	17	0	n/a	n/a	0.01	NP
Barium (mg/L)	**GWA-4 (bg)**	**0.004632**	**165**	**152**	**Yes**	**31**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Barium (mg/L)	**GWC-14**	**0.02455**	**323**	**152**	**Yes**	**31**	**3.226**	**n/a**	**n/a**	**0.01**	**NP**
Boron, total (mg/L)	GWA-1 (bg)	0	-17	-81	No	20	90	n/a	n/a	0.01	NP
Boron, total (mg/L)	GWA-2 (bg)	0	0	81	No	20	100	n/a	n/a	0.01	NP
Boron, total (mg/L)	GWA-28 (bg)	0	0	81	No	20	100	n/a	n/a	0.01	NP
Boron, total (mg/L)	GWA-29 (bg)	0	8	74	No	19	94.74	n/a	n/a	0.01	NP
Boron, total (mg/L)	GWA-3 (bg)	0	0	48	No	14	100	n/a	n/a	0.01	NP
Boron, total (mg/L)	GWA-4 (bg)	0	0	81	No	20	100	n/a	n/a	0.01	NP
Boron, total (mg/L)	GWC-12	0	-19	-81	No	20	50	n/a	n/a	0.01	NP
Boron, total (mg/L)	GWC-14	0.1054	61	81	No	20	0	n/a	n/a	0.01	NP
Boron, total (mg/L)	GWC-15	0.003678	31	81	No	20	25	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-1 (bg)	0.04698	47	81	No	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-2 (bg)	0.1375	37	81	No	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-28 (bg)	0	-25	-81	No	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-29 (bg)	-0.03778	-47	-74	No	19	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-3 (bg)	5.8	42	43	No	13	7.692	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWA-4 (bg)	-1.144	-68	-81	No	20	0	n/a	n/a	0.01	NP
Chloride, Total (mg/L)	GWC-14	13.29	74	81	No	20	0	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-1 (bg)	0	0	105	No	24	100	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-2 (bg)	0	-75	-105	No	24	70.83	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-28 (bg)	0	9	105	No	24	95.83	n/a	n/a	0.01	NP
Copper (mg/L)	**GWA-29 (bg)**	**-0.0007484**	**-152**	**-105**	**Yes**	**24**	**12.5**	**n/a**	**n/a**	**0.01**	**NP**
Copper (mg/L)	GWA-3 (bg)	0.00009358	21	43	No	13	38.46	n/a	n/a	0.01	NP
Copper (mg/L)	GWA-4 (bg)	0	0	105	No	24	100	n/a	n/a	0.01	NP
Copper (mg/L)	GWC-22	0	9	105	No	24	91.67	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-1 (bg)	0	-3	-152	No	31	93.55	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-2 (bg)	0	-3	-152	No	31	93.55	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-28 (bg)	0	-3	-152	No	31	93.55	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-29 (bg)	0	18	139	No	29	96.55	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-3 (bg)	0	6	63	No	17	94.12	n/a	n/a	0.01	NP
Mercury (mg/L)	GWA-4 (bg)	0	-3	-152	No	31	93.55	n/a	n/a	0.01	NP
Mercury (mg/L)	GWC-14	0	17	152	No	31	80.65	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-1 (bg)	0	5	81	No	20	90	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-2 (bg)	0.06796	46	81	No	20	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-28 (bg)	0.02279	19	81	No	20	5	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-29 (bg)	-0.3824	-53	-74	No	19	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-3 (bg)	-10.69	-14	-38	No	12	8.333	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWA-4 (bg)	0	1	81	No	20	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	**GWC-12**	**1.941**	**157**	**81**	**Yes**	**20**	**0**	**n/a**	**n/a**	**0.01**	**NP**
Sulfate as SO4 (mg/L)	GWC-15	0.135	62	81	No	20	0	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWC-16	0	5	81	No	20	55	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWC-18	0	11	81	No	20	55	n/a	n/a	0.01	NP
Sulfate as SO4 (mg/L)	GWC-21	0	28	81	No	20	85	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-1 (bg)	-0.00009341	-24	-98	No	23	17.39	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-2 (bg)	-0.00005833	-68	-105	No	24	33.33	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-28 (bg)	0.0003278	92	105	No	24	16.67	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-29 (bg)	-0.0009185	-43	-105	No	24	0	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-3 (bg)	0	-2	-43	No	13	15.38	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-4 (bg)	0	5	92	No	22	54.55	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-33	0.0002483	63	98	No	23	26.09	n/a	n/a	0.01	NP

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-1 (bg)



n = 31

Slope = -0.00009916 units per year.

Mann-Kendall statistic = -58
critical = -152

Trend not significant at 99% confidence level (α = 0.005 per tail).

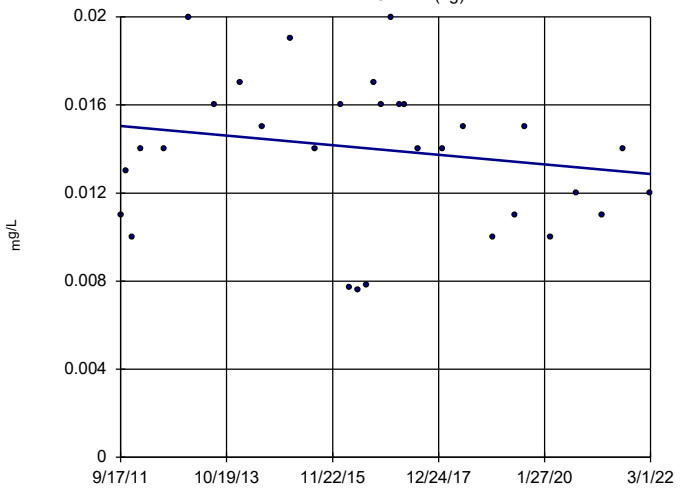
Constituent: Barium Analysis Run 5/14/2022 1:11 PM View: Trend Tests - PL Exceedances

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-2 (bg)



n = 31

Slope = -0.0002081 units per year.

Mann-Kendall statistic = -54
critical = -152

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Barium Analysis Run 5/14/2022 1:11 PM View: Trend Tests - PL Exceedances

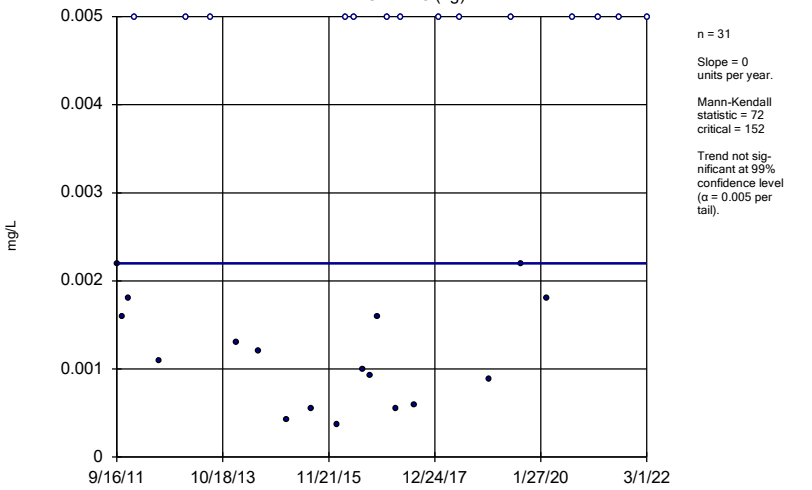
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-28 (bg)



n = 31

Slope = 0 units per year.

Mann-Kendall statistic = 72
critical = 152

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Barium Analysis Run 5/14/2022 1:11 PM View: Trend Tests - PL Exceedances

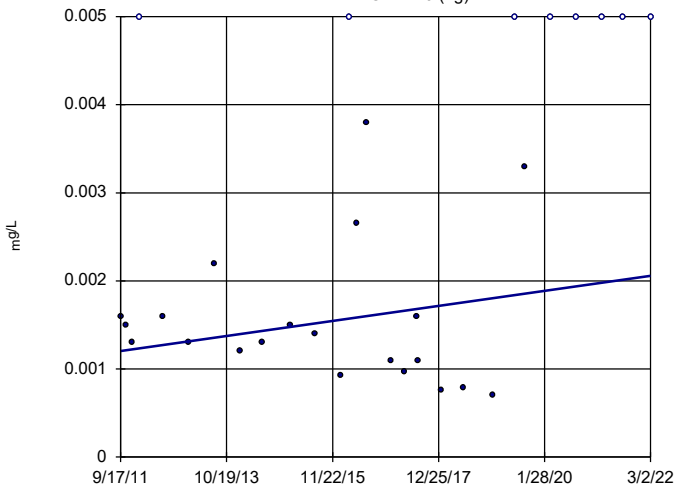
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-29 (bg)



n = 29

Slope = 0.00008162 units per year.

Mann-Kendall statistic = 54
critical = 139

Trend not significant at 99% confidence level (α = 0.005 per tail).

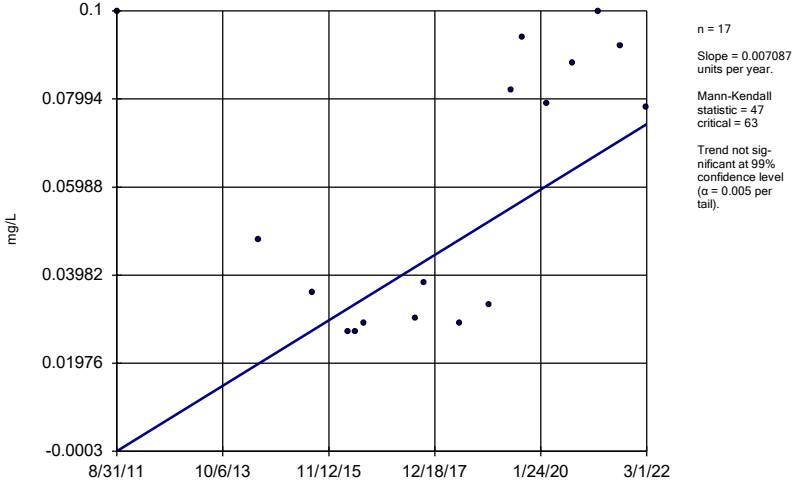
Constituent: Barium Analysis Run 5/14/2022 1:11 PM View: Trend Tests - PL Exceedances

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-3 (bg)



n = 17

Slope = 0.007087 units per year.

Mann-Kendall statistic = 47 critical = 63

Trend not significant at 99% confidence level (α = 0.005 per tail).

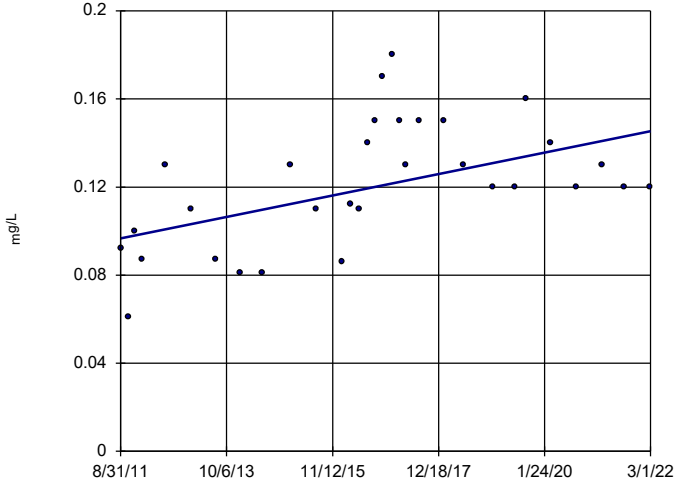
Constituent: Barium Analysis Run 5/14/2022 1:11 PM View: Trend Tests - PL Exceedances

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-4 (bg)



n = 31

Slope = 0.004632 units per year.

Mann-Kendall statistic = 165 critical = 152

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Barium Analysis Run 5/14/2022 1:11 PM View: Trend Tests - PL Exceedances

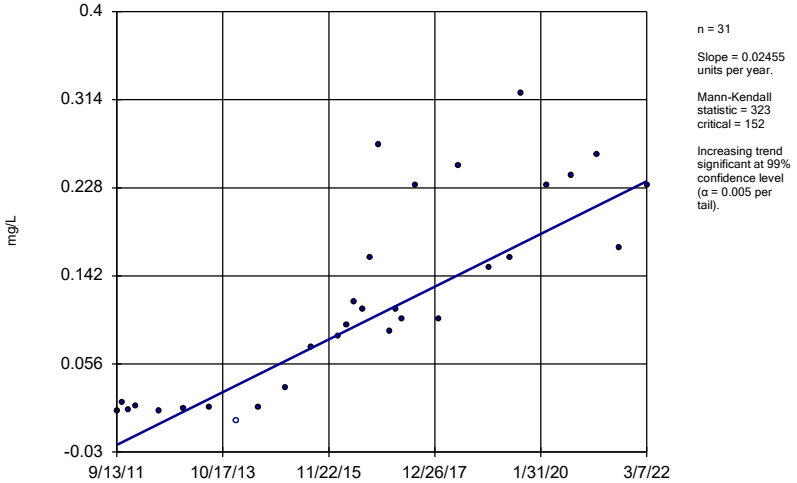
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

GWC-14



n = 31

Slope = 0.02455 units per year.

Mann-Kendall statistic = 323 critical = 152

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

Constituent: Barium Analysis Run 5/14/2022 1:11 PM View: Trend Tests - PL Exceedances

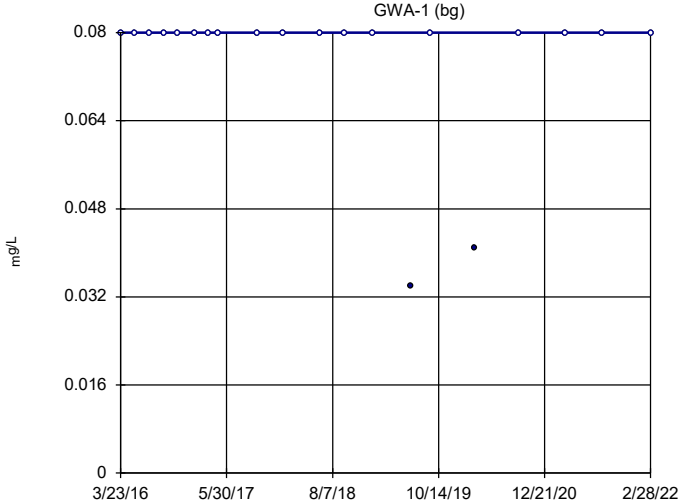
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-1 (bg)



n = 20

Slope = 0 units per year.

Mann-Kendall statistic = -17 critical = -81

Trend not significant at 99% confidence level (α = 0.005 per tail).

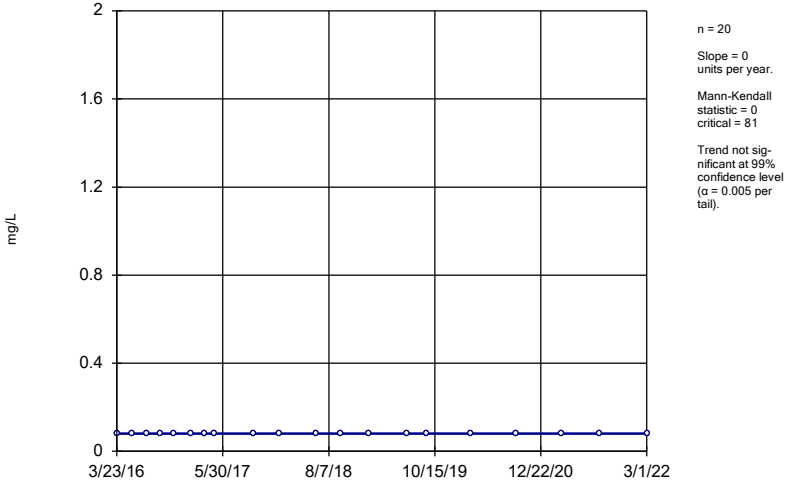
Constituent: Boron, total Analysis Run 5/14/2022 1:11 PM View: Trend Tests - PL Exceedances

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-2 (bg)



n = 20

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 81

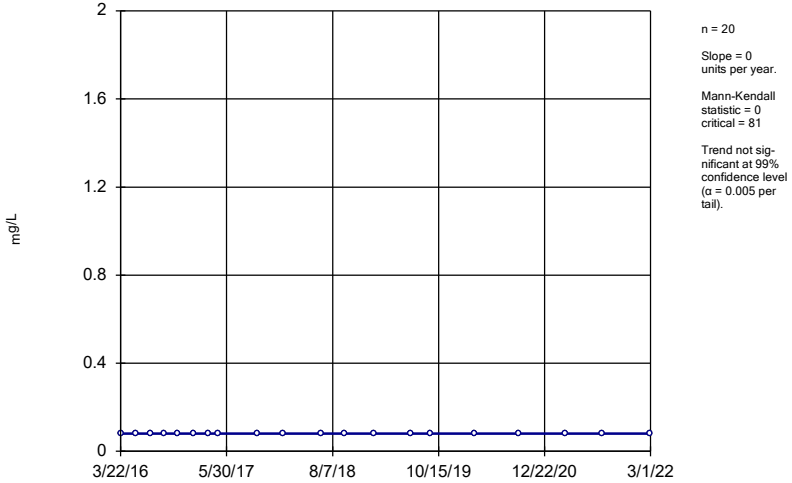
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 5/14/2022 1:11 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-28 (bg)



n = 20

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 81

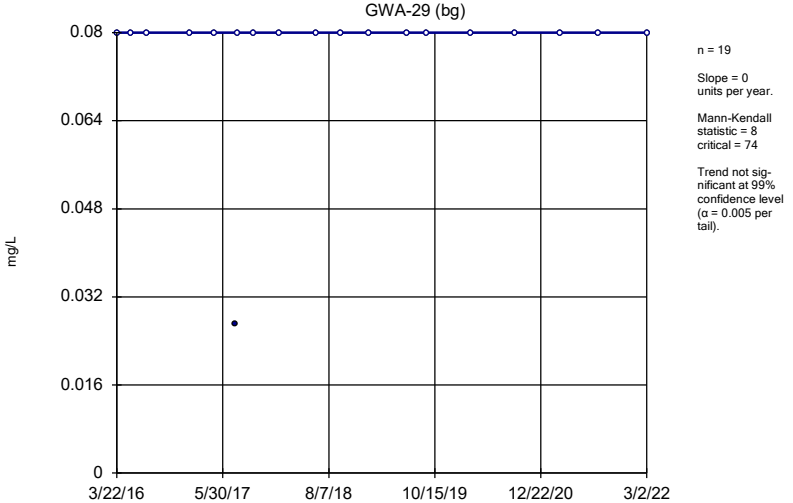
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 5/14/2022 1:11 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-29 (bg)



n = 19

Slope = 0 units per year.

Mann-Kendall statistic = 8
critical = 74

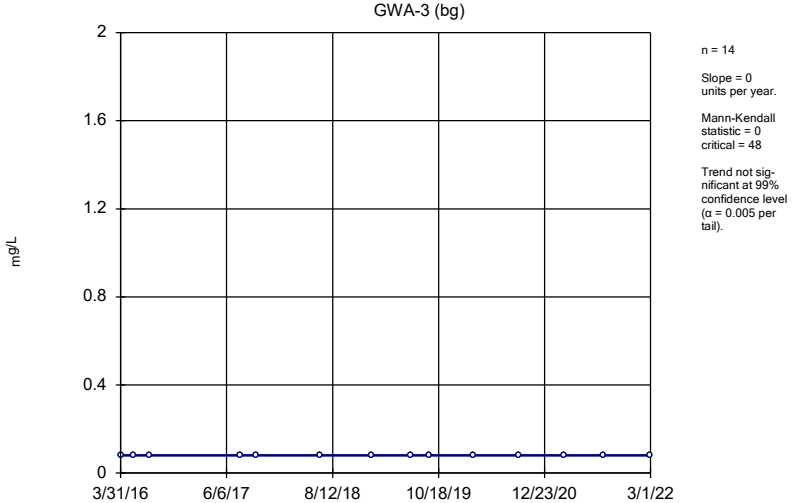
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 5/14/2022 1:11 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-3 (bg)



n = 14

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 48

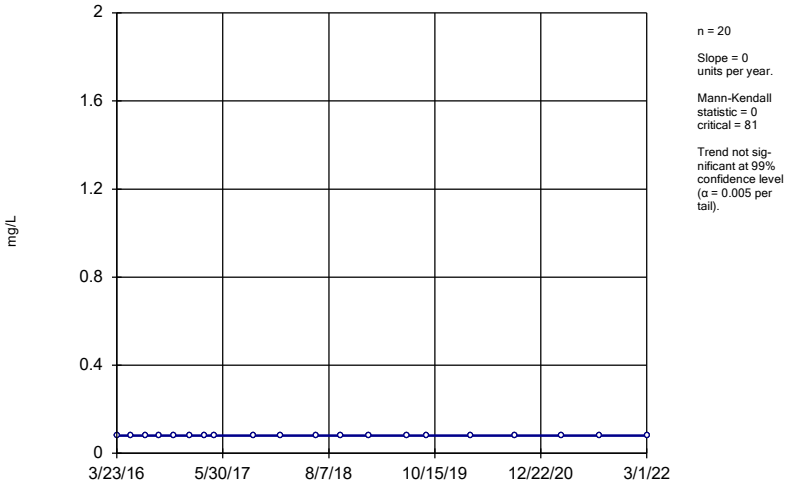
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 5/14/2022 1:11 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-4 (bg)



n = 20

Slope = 0 units per year.

Mann-Kendall statistic = 0
critical = 81

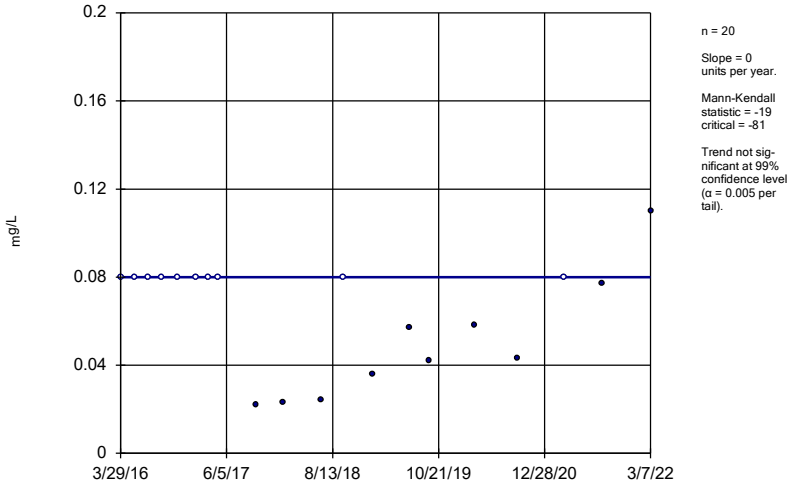
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWC-12



n = 20

Slope = 0 units per year.

Mann-Kendall statistic = -19
critical = -81

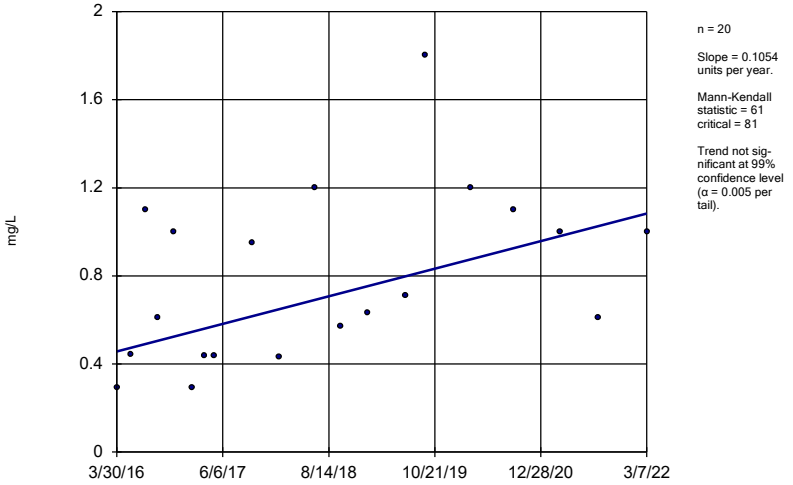
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWC-14



n = 20

Slope = 0.1054 units per year.

Mann-Kendall statistic = 61
critical = 81

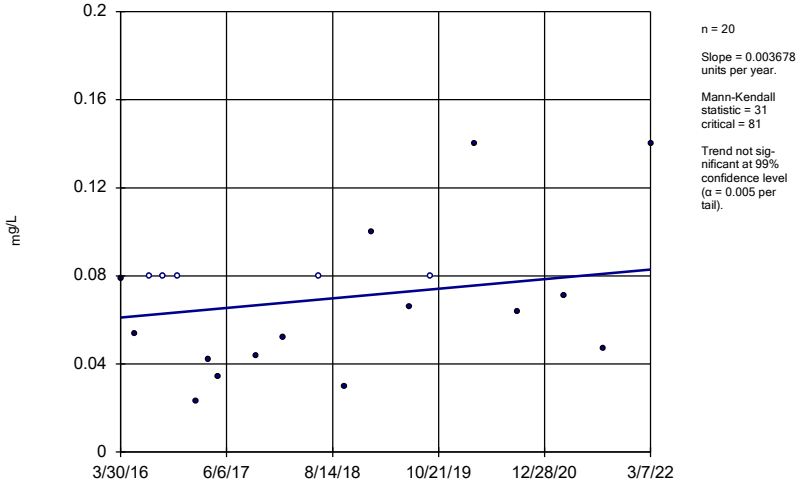
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWC-15



n = 20

Slope = 0.003678 units per year.

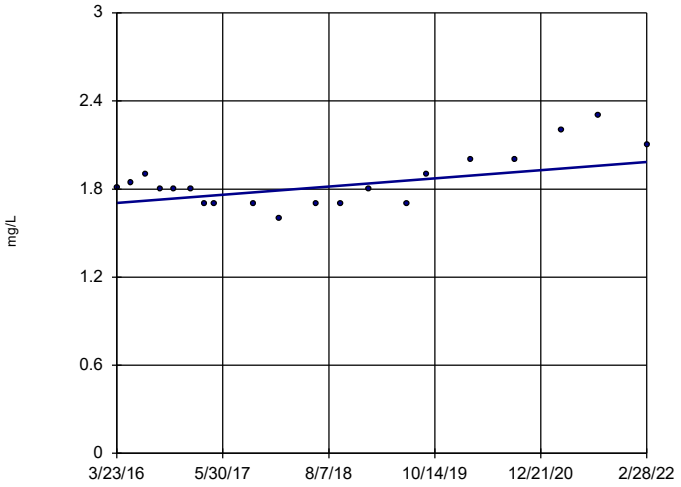
Mann-Kendall statistic = 31
critical = 81

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Boron, total Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sen's Slope Estimator

GWA-1 (bg)



n = 20

Slope = 0.04698 units per year.

Mann-Kendall statistic = 47 critical = 81

Trend not significant at 99% confidence level (α = 0.005 per tail).

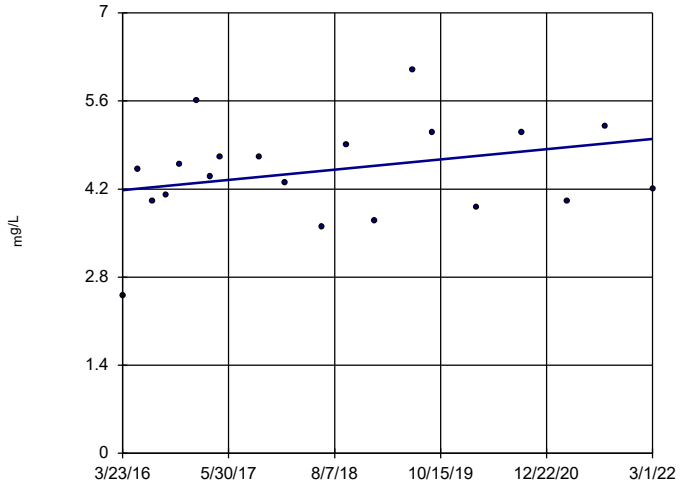
Constituent: Chloride, Total Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-2 (bg)



n = 20

Slope = 0.1375 units per year.

Mann-Kendall statistic = 37 critical = 81

Trend not significant at 99% confidence level (α = 0.005 per tail).

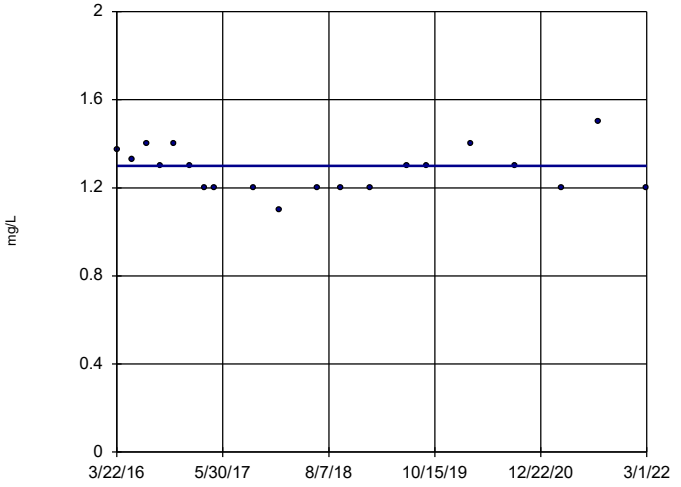
Constituent: Chloride, Total Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-28 (bg)



n = 20

Slope = 0 units per year.

Mann-Kendall statistic = -25 critical = -81

Trend not significant at 99% confidence level (α = 0.005 per tail).

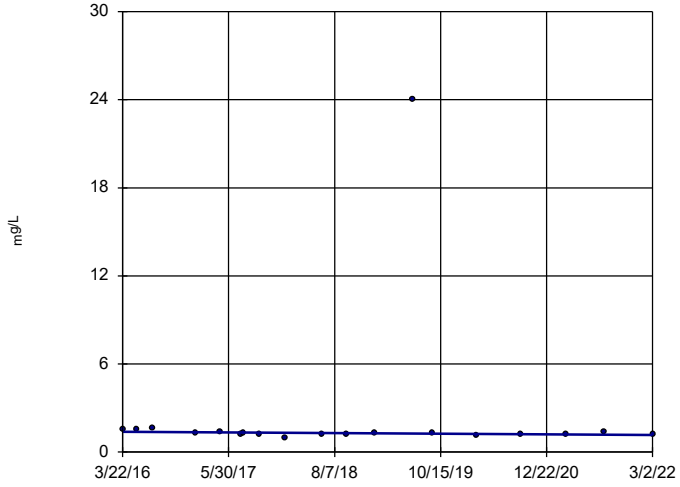
Constituent: Chloride, Total Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-29 (bg)



n = 19

Slope = -0.03778 units per year.

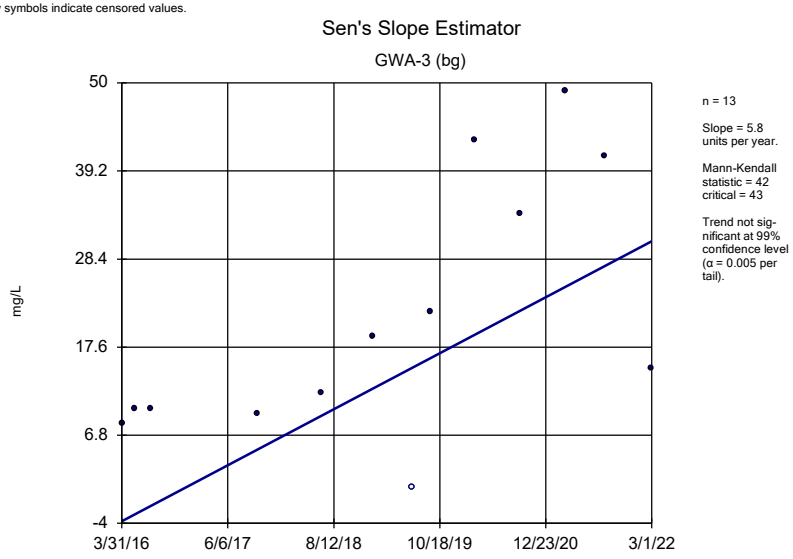
Mann-Kendall statistic = -47 critical = -74

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Chloride, Total Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances

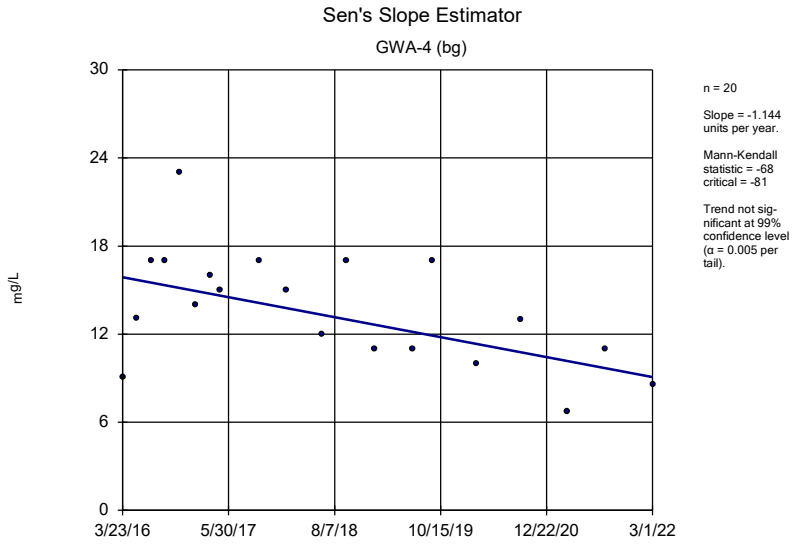
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.



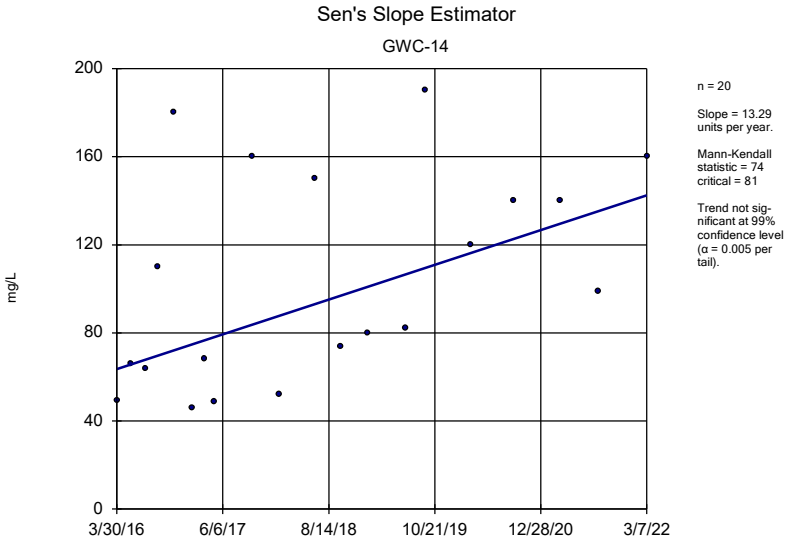
Constituent: Chloride, Total Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG



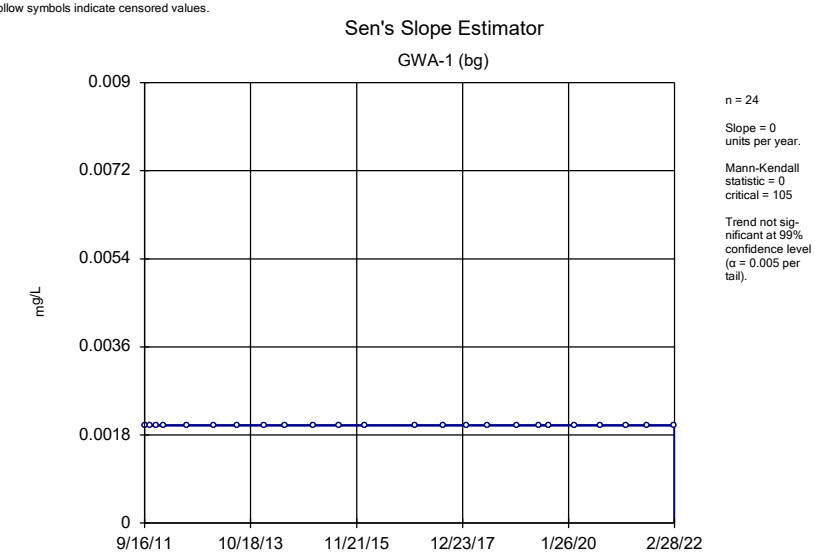
Constituent: Chloride, Total Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG



Constituent: Chloride, Total Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

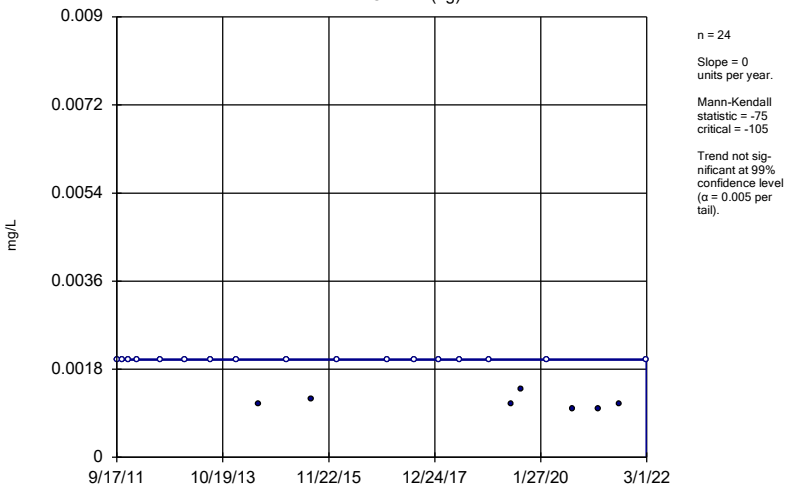


Constituent: Copper Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-2 (bg)



n = 24

Slope = 0
units per year.

Mann-Kendall
statistic = -75
critical = -105

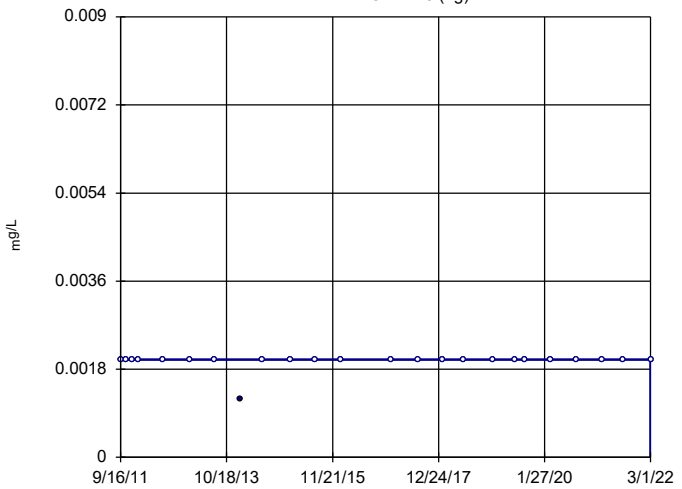
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Copper Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-28 (bg)



n = 24

Slope = 0
units per year.

Mann-Kendall
statistic = 9
critical = 105

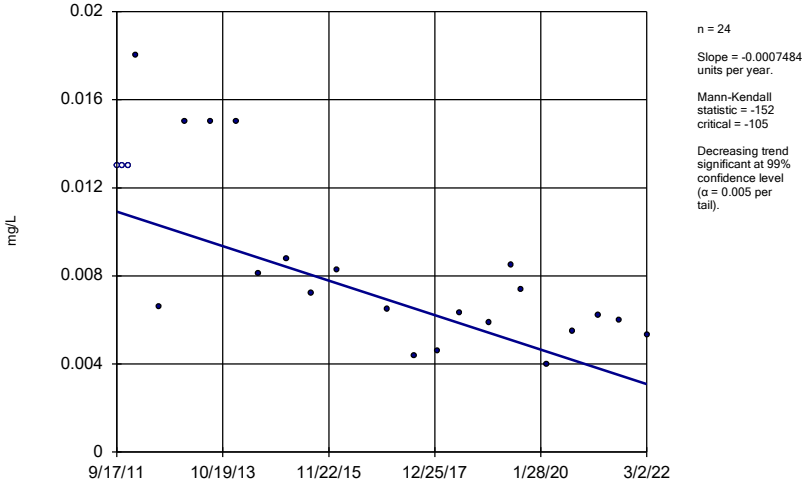
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Copper Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-29 (bg)



n = 24

Slope = -0.0007484
units per year.

Mann-Kendall
statistic = -152
critical = -105

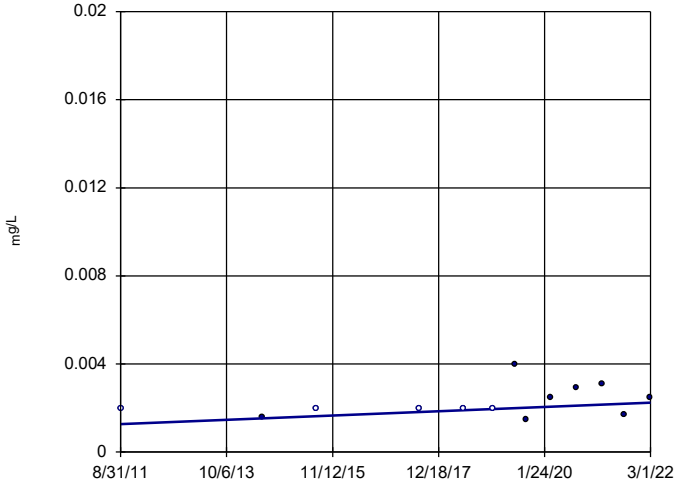
Decreasing trend
significant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Copper Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-3 (bg)



n = 13

Slope = 0.00009358
units per year.

Mann-Kendall
statistic = 21
critical = 43

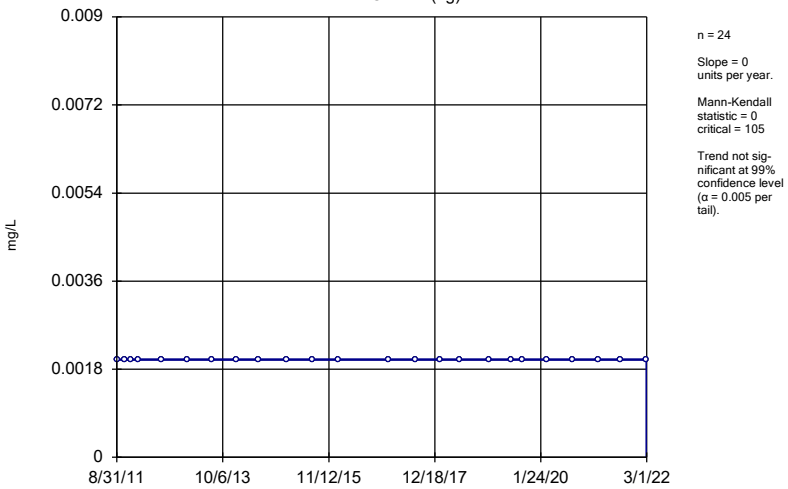
Trend not sig-
nificant at 99%
confidence level
(α = 0.005 per
tail).

Constituent: Copper Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-4 (bg)



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 0 critical = 105

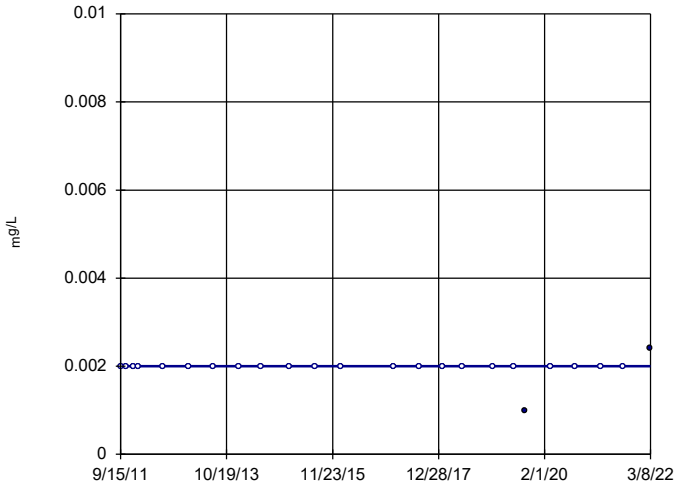
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Copper Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWC-22



n = 24

Slope = 0 units per year.

Mann-Kendall statistic = 9 critical = 105

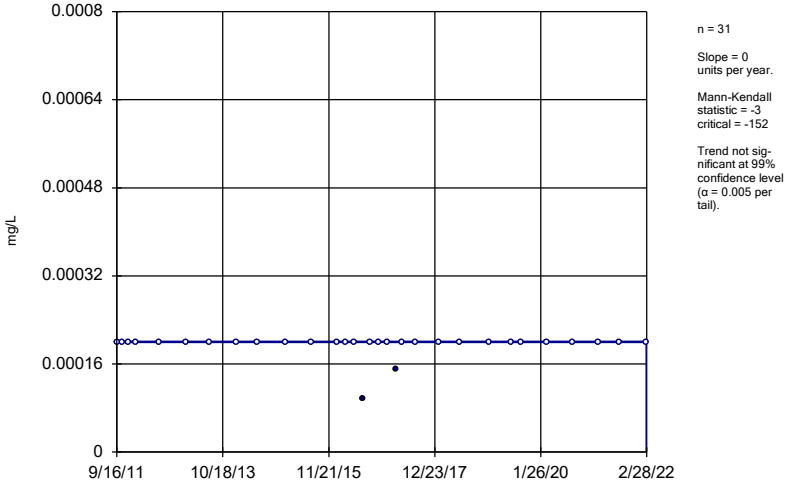
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Copper Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-1 (bg)



n = 31

Slope = 0 units per year.

Mann-Kendall statistic = -3 critical = -152

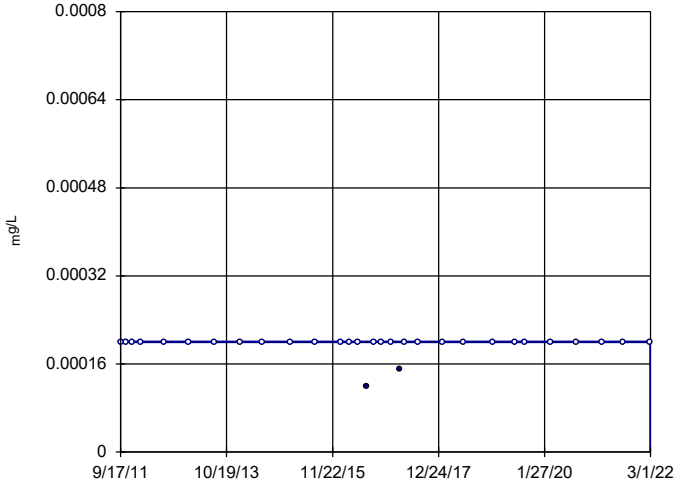
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Mercury Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-2 (bg)



n = 31

Slope = 0 units per year.

Mann-Kendall statistic = -3 critical = -152

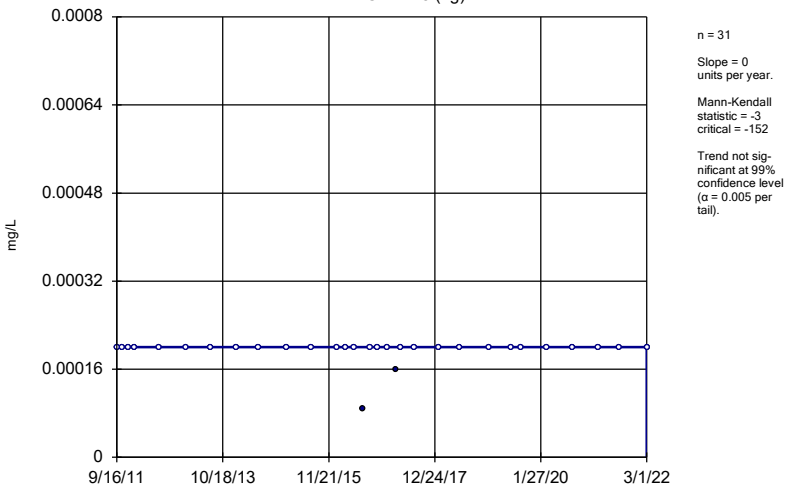
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Mercury Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-28 (bg)



n = 31

Slope = 0 units per year.

Mann-Kendall statistic = -3
critical = -152

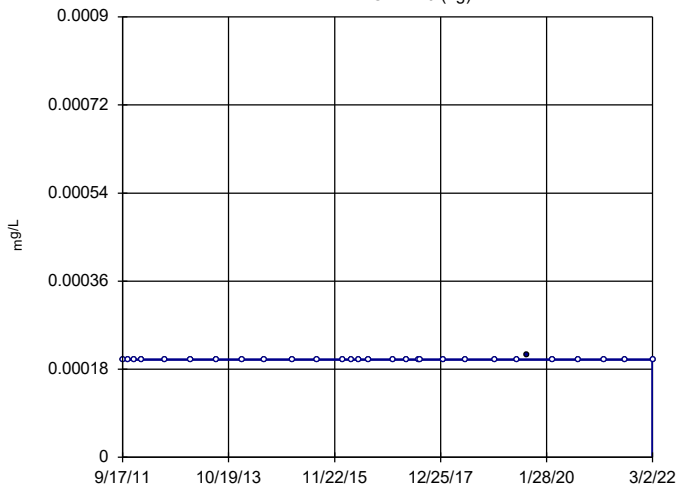
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Mercury Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-29 (bg)



n = 29

Slope = 0 units per year.

Mann-Kendall statistic = 18
critical = 139

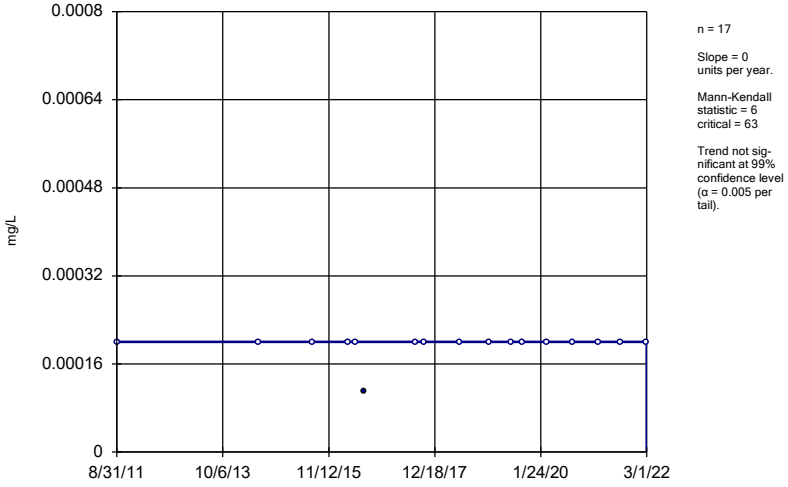
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Mercury Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-3 (bg)



n = 17

Slope = 0 units per year.

Mann-Kendall statistic = 6
critical = 63

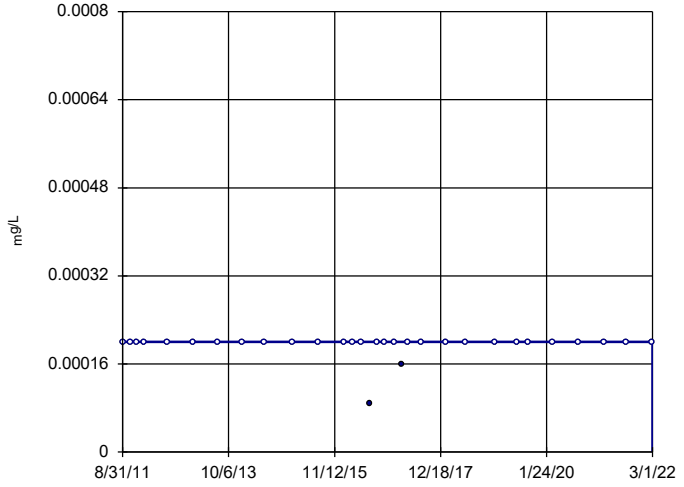
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Mercury Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-4 (bg)



n = 31

Slope = 0 units per year.

Mann-Kendall statistic = -3
critical = -152

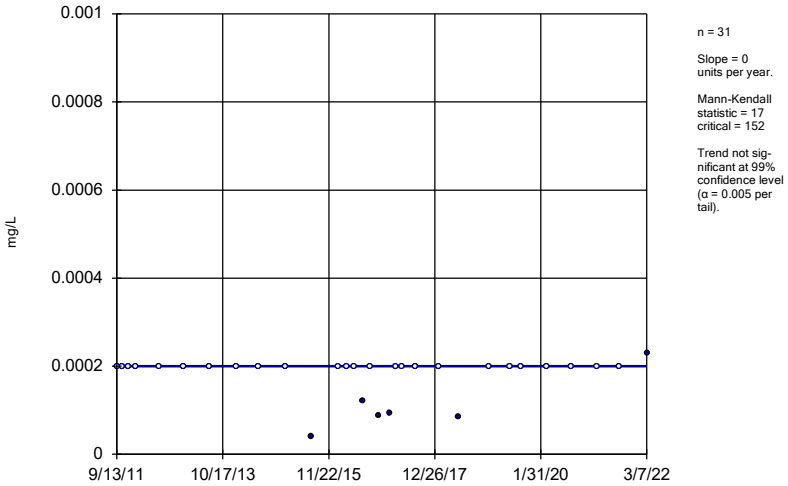
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Mercury Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWC-14



n = 31

Slope = 0 units per year.

Mann-Kendall statistic = 17
critical = 152

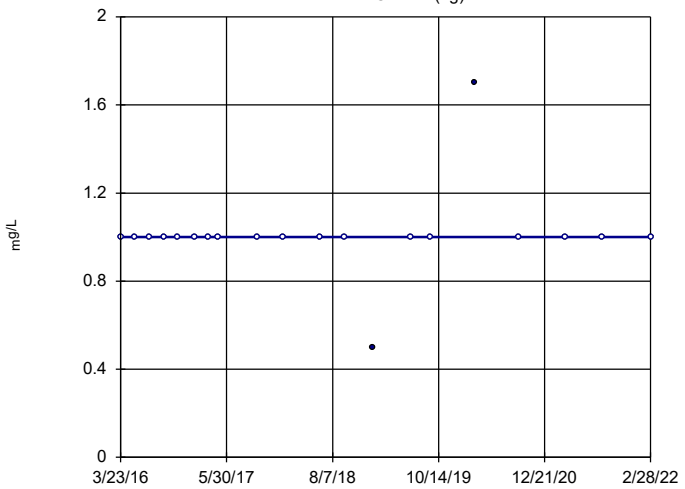
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Mercury Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-1 (bg)



n = 20

Slope = 0 units per year.

Mann-Kendall statistic = 5
critical = 81

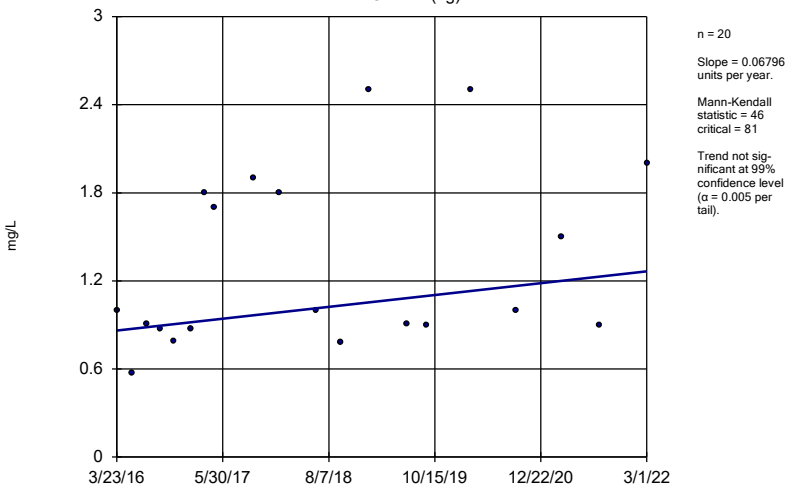
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate as SO4 Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-2 (bg)



n = 20

Slope = 0.06796 units per year.

Mann-Kendall statistic = 46
critical = 81

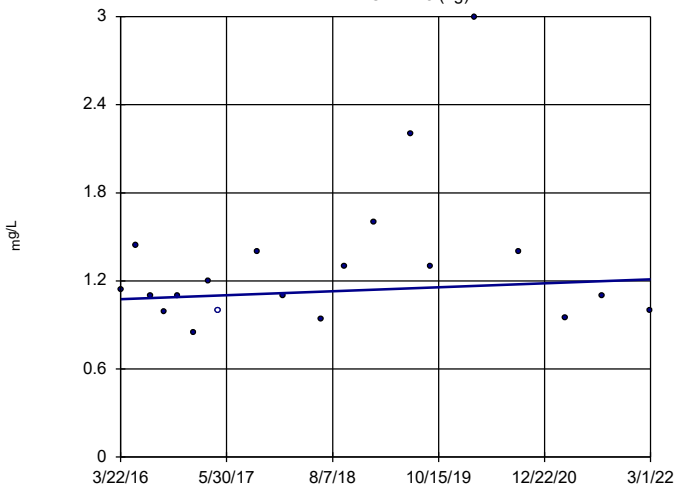
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate as SO4 Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-28 (bg)



n = 20

Slope = 0.02279 units per year.

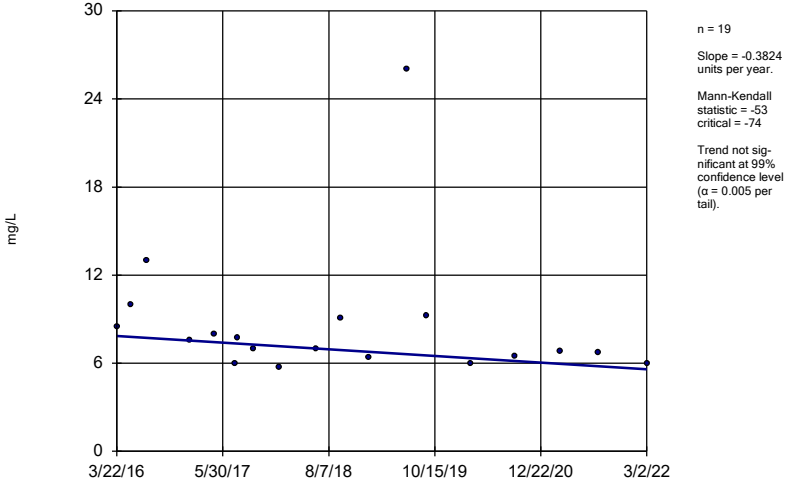
Mann-Kendall statistic = 19
critical = 81

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate as SO4 Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sen's Slope Estimator

GWA-29 (bg)



n = 19

Slope = -0.3824 units per year.

Mann-Kendall statistic = -53 critical = -74

Trend not significant at 99% confidence level (α = 0.005 per tail).

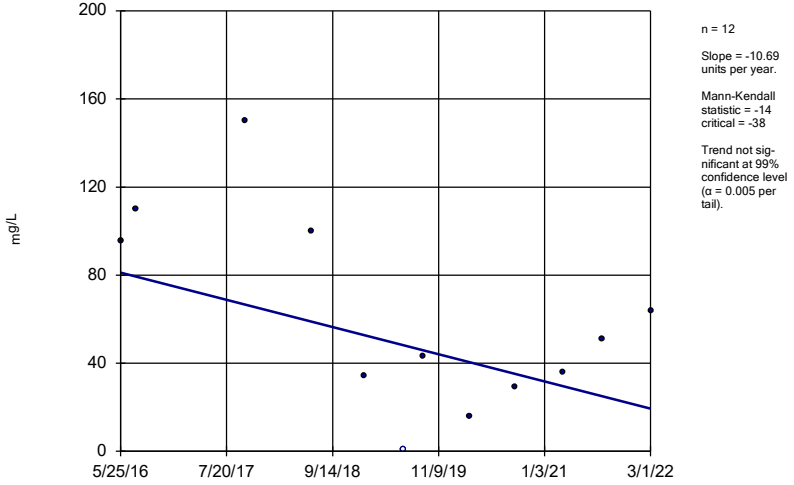
Constituent: Sulfate as SO4 Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances

Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-3 (bg)



n = 12

Slope = -10.69 units per year.

Mann-Kendall statistic = -14 critical = -38

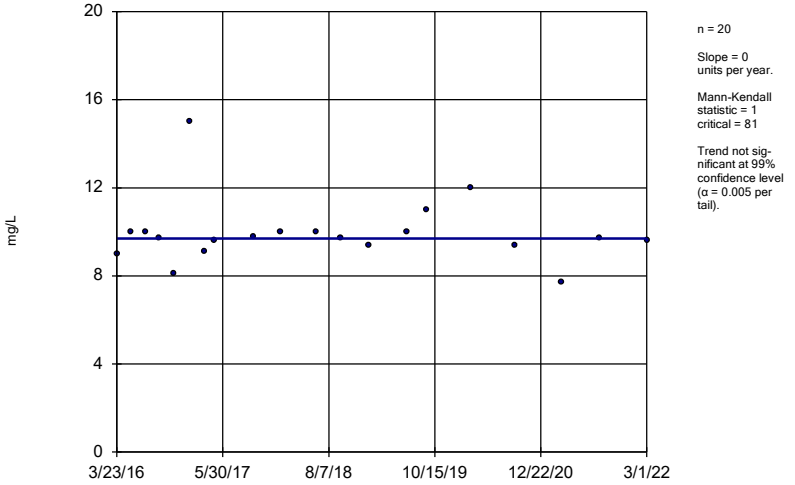
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate as SO4 Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sen's Slope Estimator

GWA-4 (bg)



n = 20

Slope = 0 units per year.

Mann-Kendall statistic = 1 critical = 81

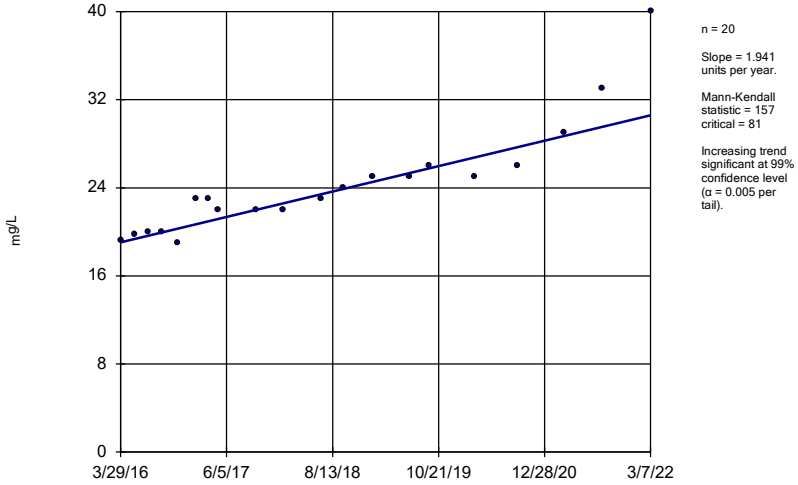
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate as SO4 Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sen's Slope Estimator

GWC-12



n = 20

Slope = 1.941 units per year.

Mann-Kendall statistic = 157 critical = 81

Increasing trend significant at 99% confidence level (α = 0.005 per tail).

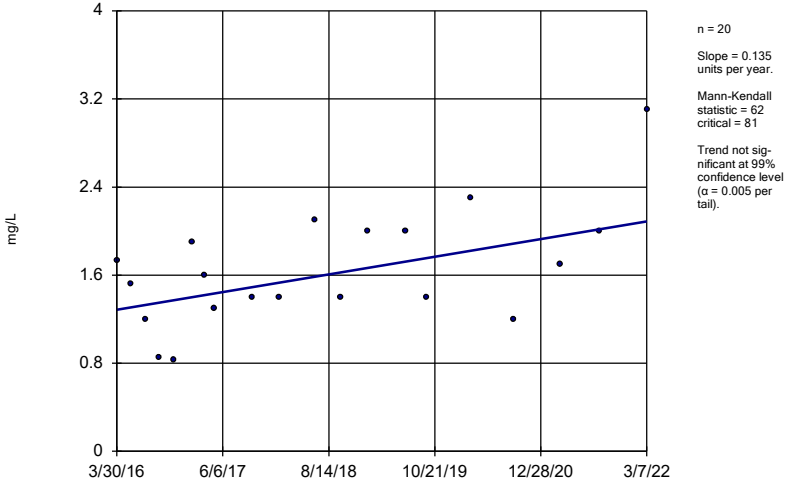
Constituent: Sulfate as SO4 Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWC-15



n = 20

Slope = 0.135 units per year.

Mann-Kendall statistic = 62 critical = 81

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate as SO4 Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances

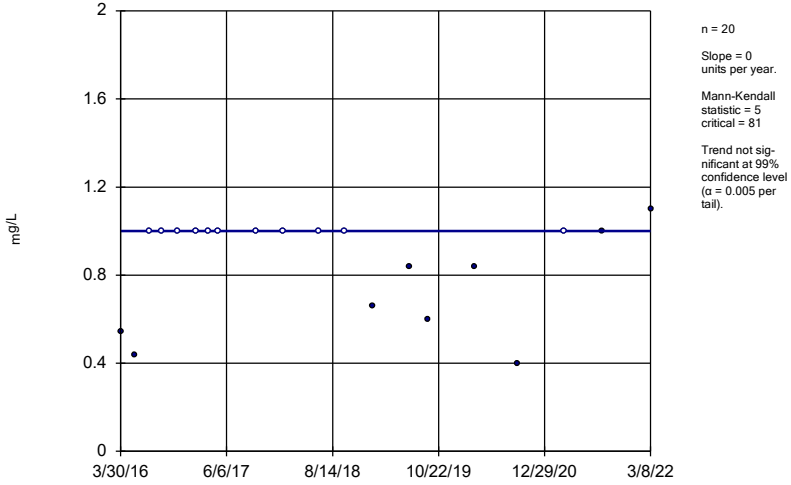
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

GWC-16



n = 20

Slope = 0 units per year.

Mann-Kendall statistic = 5 critical = 81

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate as SO4 Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances

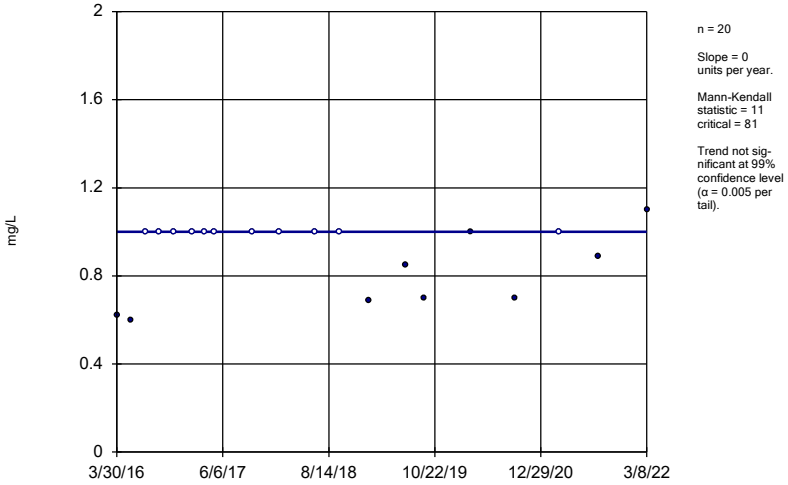
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

GWC-18



n = 20

Slope = 0 units per year.

Mann-Kendall statistic = 11 critical = 81

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Sulfate as SO4 Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances

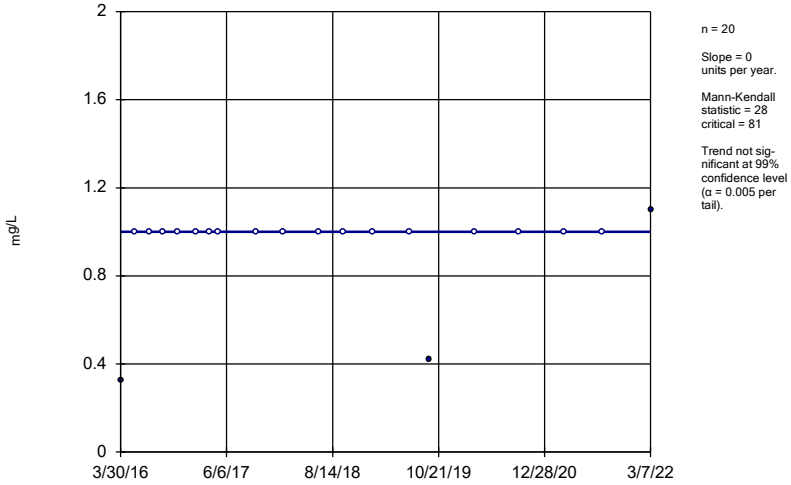
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Hollow symbols indicate censored values.

Sen's Slope Estimator

GWC-21



n = 20

Slope = 0 units per year.

Mann-Kendall statistic = 28 critical = 81

Trend not significant at 99% confidence level (α = 0.005 per tail).

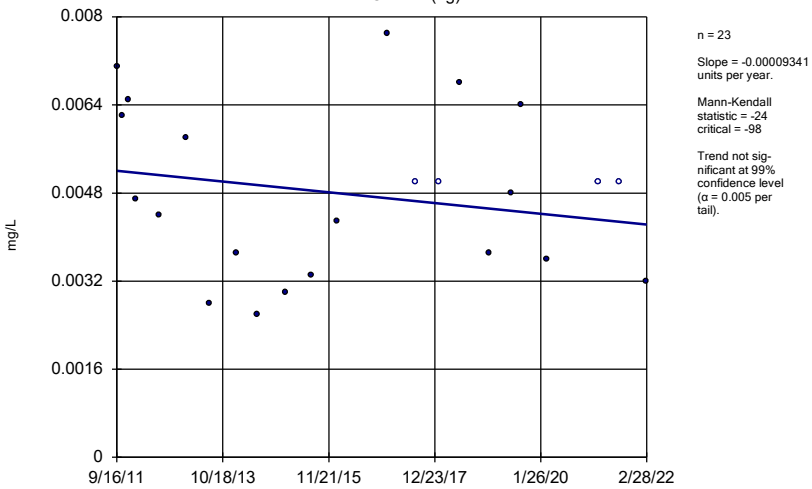
Constituent: Sulfate as SO4 Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances

Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-1 (bg)



n = 23

Slope = -0.00009341 units per year.

Mann-Kendall statistic = -24
critical = -98

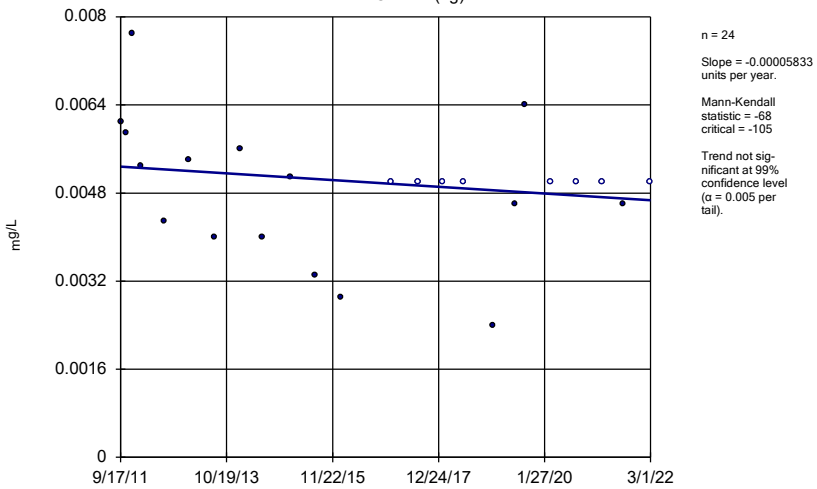
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Zinc Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-2 (bg)



n = 24

Slope = -0.00005833 units per year.

Mann-Kendall statistic = -68
critical = -105

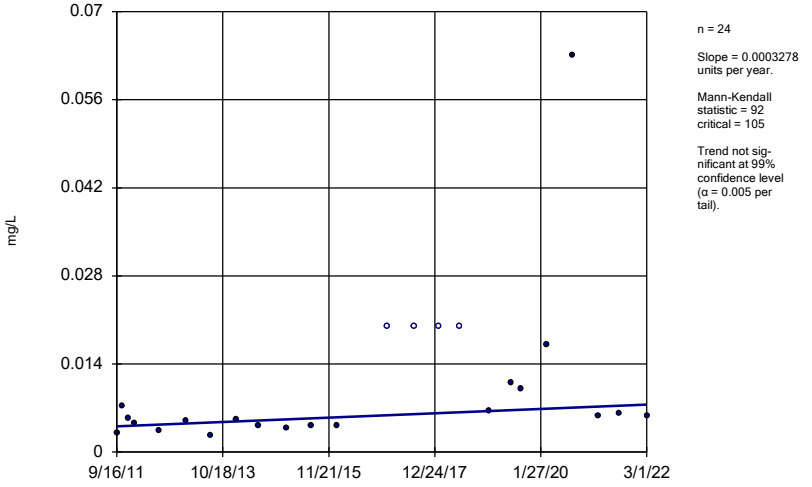
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Zinc Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-28 (bg)



n = 24

Slope = 0.0003278 units per year.

Mann-Kendall statistic = 92
critical = 105

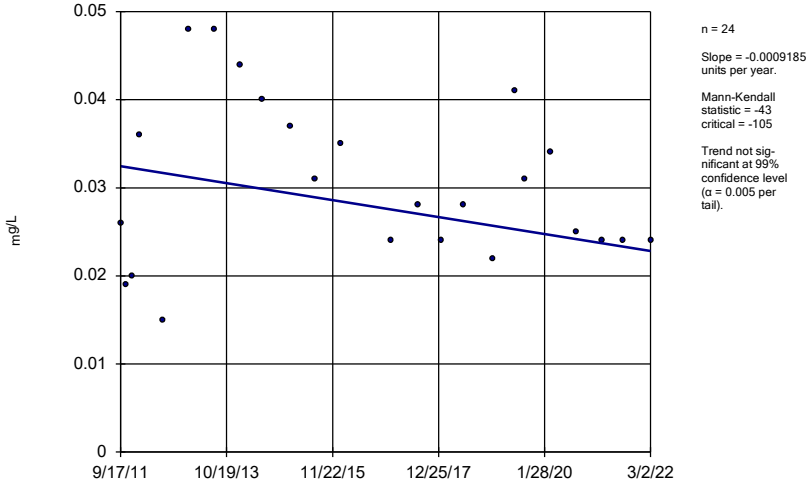
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Zinc Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG

Sen's Slope Estimator

GWA-29 (bg)



n = 24

Slope = -0.0009185 units per year.

Mann-Kendall statistic = -43
critical = -105

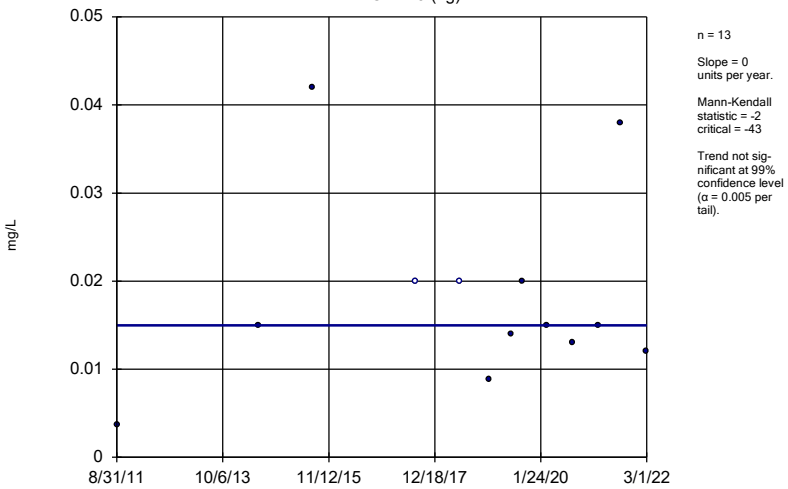
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Zinc Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-3 (bg)



n = 13

Slope = 0 units per year.

Mann-Kendall statistic = -2
critical = -43

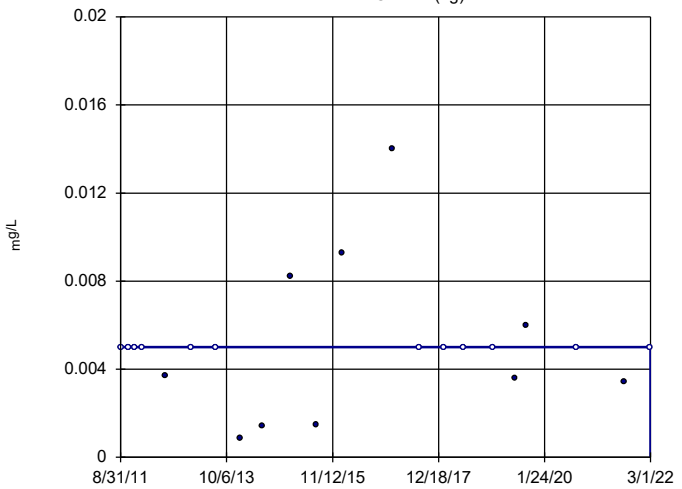
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Zinc Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWA-4 (bg)



n = 22

Slope = 0 units per year.

Mann-Kendall statistic = 5
critical = 92

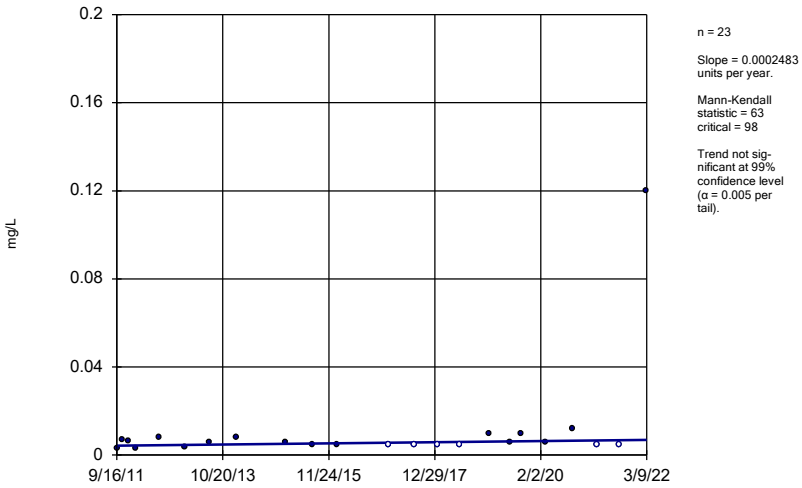
Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Zinc Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Sen's Slope Estimator

GWC-33



n = 23

Slope = 0.0002483 units per year.

Mann-Kendall statistic = 63
critical = 98

Trend not significant at 99% confidence level (α = 0.005 per tail).

Constituent: Zinc Analysis Run 5/14/2022 1:12 PM View: Trend Tests - PL Exceedances
Plant Wansley Client: Southern Company Data: Wansley Landfill

FIGURE M.

Intrawell Prediction Limits (Resamples) Appendix I - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/27/2022, 11:53 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/L)	**GWC-33**	**0.01254**	**n/a**	**5/4/2022**	**0.022**	**Yes**	**22**	**0.005835**	**0.002382**	**27.27**	**Kaplan-Meier**	**No**	**0.0001135**	**Param Intra 1 of 2**

Intrawell Prediction Limits (Resamples) Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/27/2022, 11:53 AM

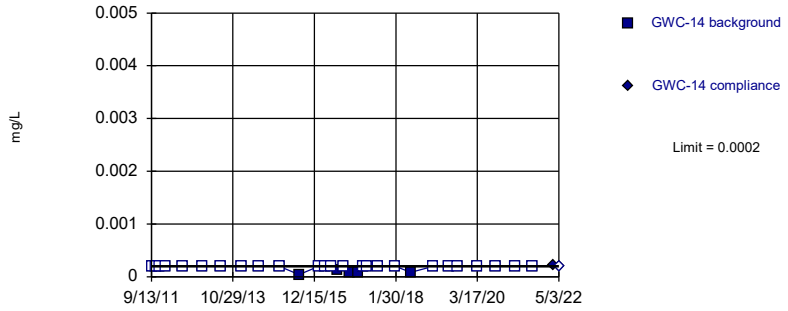
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Mercury (mg/L)	GWC-14	0.0002	n/a	5/3/2022	0.0002ND	No	30	n/a	n/a	83.33	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Zinc (mg/L)	**GWC-33**	**0.01254**	**n/a**	**5/4/2022**	**0.022**	**Yes**	**22**	**0.005835**	**0.002382**	**27.27**	**Kaplan-Meier**	**No**	**0.0001135**	**Param Intra 1 of 2**

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Within Limit

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 = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 5/27/2022 11:43 AM

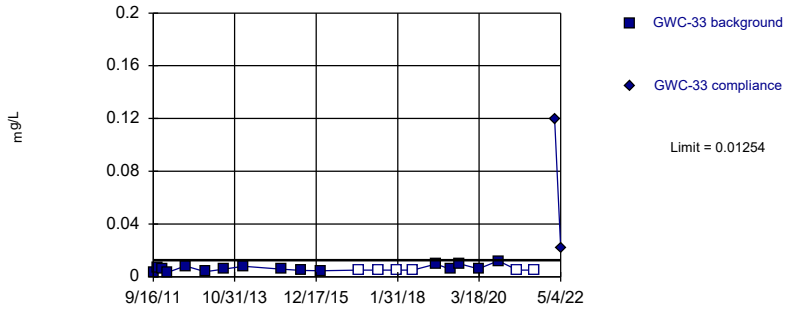
Plant Wansley Client: Southern Company Data: Wansley Landfill

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit

Prediction Limit

Intrawell Parametric



Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.005835, Std. Dev.=0.002382, n=22, 27.27% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8794, critical = 0.878. Kappa = 2.815 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Zinc Analysis Run 5/27/2022 11:43 AM

Plant Wansley Client: Southern Company Data: Wansley Landfill

Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 5/27/2022 11:53 AM

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-14	GWC-14
9/13/2011	<0.0002	
10/27/2011	<0.0002	
12/3/2011	<0.0002	
1/24/2012	<0.0002	
7/11/2012	<0.0002	
1/8/2013	<0.0002	
7/10/2013	<0.0002	
1/21/2014	<0.0002	
7/1/2014	<0.0002	
1/14/2015	<0.0002	
7/22/2015	3.99E-05 (J)	
1/27/2016	<0.0002	
3/30/2016	<0.0002	
5/25/2016	<0.0002	
7/26/2016	0.00012 (J)	
9/15/2016	<0.0002	
11/17/2016	8.7E-05 (J)	
2/1/2017	9.2E-05 (J)	
3/23/2017	<0.0002	
5/3/2017	<0.0002	
8/7/2017	<0.0002	
1/25/2018	<0.0002	
6/20/2018	8.5E-05 (J)	
1/22/2019	<0.0002	
6/25/2019	<0.0002	
9/12/2019	<0.0002	
3/17/2020	<0.0002	
9/10/2020	<0.0002	
3/17/2021	<0.0002	
8/23/2021	<0.0002	
3/7/2022		0.00023
5/3/2022		<0.0002 (R)

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/27/2022 11:53 AM

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-33	GWC-33
9/16/2011	0.0033	
10/30/2011	0.0071	
12/13/2011	0.0062	
2/1/2012	0.0033	
7/17/2012	0.0083	
1/23/2013	0.0038	
7/17/2013	0.0059	
1/23/2014	0.008	
1/20/2015	0.0058	
7/29/2015	0.0049	
1/25/2016	0.0046	
1/25/2017	<0.005	
8/4/2017	<0.005	
1/23/2018	<0.005	
6/26/2018	<0.005	
1/30/2019	0.0096	
6/26/2019	0.0056	
9/12/2019	0.01	
3/12/2020	0.0061	
9/16/2020	0.012	
3/18/2021	<0.005	
8/24/2021	<0.005	
3/9/2022		0.12
5/4/2022		0.022 (R)

FIGURE N.

Interwell Prediction Limit (Two-Step - Resample) Appendix I - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/27/2022, 11:55 AM

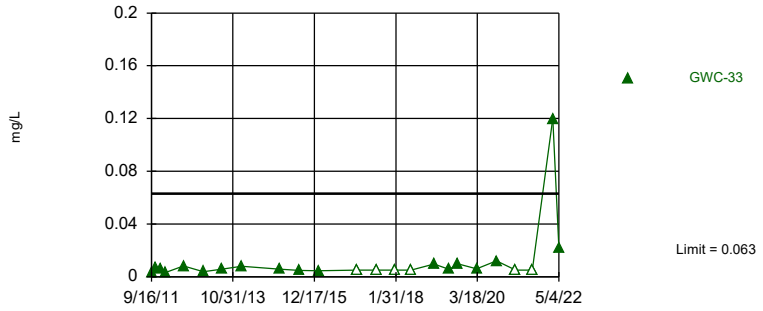
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Zinc (mg/L)	GWC-33	0.063	n/a	5/4/2022	0.022	No	107	n/a	n/a	24.3	n/a	n/a	0.0001695	NP Inter (normality) 1 of 2

Hollow symbols indicate censored values.

Within Limit

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 107 background values. 24.3% NDs. Annual per-constituent alpha = 0.009785. Individual comparison alpha = 0.0001695 (1 of 2). Assumes 28 future values.

Constituent: Zinc Analysis Run 5/27/2022 11:54 AM View: PLs Two-Step App I Resamples

Plant Wansley Client: Southern Company Data: Wansley Landfill

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/27/2022 11:55 AM View: PLs Two-Step App I Resamples

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-4 (bg)	GWA-3 (bg)	GWA-28 (bg)	GWC-33	GWA-2 (bg)	GWA-29 (bg)
8/31/2011	<0.005	0.0037				
9/16/2011			0.003	0.0033		
9/17/2011					0.0061	0.026
10/27/2011	<0.005				0.0059	
10/28/2011			0.0073			0.019
10/30/2011				0.0071		
12/12/2011			0.0053			0.02
12/13/2011				0.0062		
12/14/2011	<0.005				0.0077	
1/25/2012			0.0046			
1/31/2012						0.036
2/1/2012	<0.005			0.0033		
2/7/2012					0.0053	
7/16/2012			0.0034			
7/17/2012				0.0083		0.015
7/23/2012	0.0037				0.0043	
1/23/2013	<0.005			0.0038	0.0054	
1/24/2013			0.0049			0.048
7/17/2013	<0.005			0.0059		
7/23/2013			0.0026			
7/24/2013					0.004	0.048
1/15/2014	0.00085 (J)					
1/22/2014			0.0052		0.0056	0.044
1/23/2014				0.008		
6/25/2014	0.0014 (J)	0.015				
7/1/2014			0.0042		0.004	
7/8/2014						0.04 (D)
1/14/2015	0.0082					
1/20/2015				0.0058		
1/21/2015			0.0038			0.037
1/22/2015					0.0051	
7/21/2015	0.0015 (J)	0.042	0.0042			
7/22/2015					0.0033	0.031
7/29/2015				0.0049		
1/19/2016						0.035 (D)
1/20/2016	0.0093				0.0029	
1/22/2016			0.0041			
1/25/2016				0.0046		
1/17/2017	0.014 (J)		<0.005			0.024
1/19/2017					<0.005	
1/25/2017				<0.005		
8/1/2017		<0.005	<0.005			0.028
8/2/2017	<0.005				<0.005	
8/4/2017				<0.005		
1/19/2018			<0.005		<0.005	0.024
1/22/2018	<0.005					
1/23/2018				<0.005		
6/19/2018	<0.005		<0.005		<0.005	0.028
6/20/2018		<0.005				
6/26/2018				<0.005		
1/17/2019	<0.005				0.0024 (J)	
1/18/2019		0.0088				0.022

Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 5/27/2022 11:55 AM View: PLs Two-Step App I Resamples

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-4 (bg)	GWA-3 (bg)	GWA-28 (bg)	GWC-33	GWA-2 (bg)	GWA-29 (bg)
1/21/2019			0.0065			
1/30/2019				0.0096		
6/24/2019	0.0036 (J)				0.0046 (J)	
6/25/2019		0.014	0.011			0.041
6/26/2019				0.0056		
9/10/2019	0.006		0.01		0.0064	0.031
9/11/2019		0.02				
9/12/2019				0.01		
3/10/2020	0.052 (o)	0.015	0.017		<0.005	0.034
3/12/2020				0.0061		
9/9/2020	<0.005	0.013	0.063			0.025
9/10/2020					<0.005	
9/16/2020				0.012		
3/15/2021	0.044 (o)	0.015	0.0057		<0.005	0.024
3/18/2021				<0.005		
8/16/2021			0.0061			
8/18/2021	0.0034 (J)	0.038			0.0046 (J)	0.024
8/24/2021				<0.005		
3/1/2022	<0.005	0.012	0.0057		<0.005	
3/2/2022						0.024
3/9/2022				0.12		
5/4/2022				0.022 (R)		

FIGURE O.

Interwell Prediction Limit (Resamples) Appendix III - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/27/2022, 1:16 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	**GWC-14**	**0.08**	**n/a**	**5/3/2022**	**1.3**	**Yes**	**113**	**n/a**	**n/a**	**97.35**	**n/a**	**n/a**	**0.0001527**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**GWC-15**	**0.08**	**n/a**	**5/4/2022**	**0.13**	**Yes**	**113**	**n/a**	**n/a**	**97.35**	**n/a**	**n/a**	**0.0001527**	**NP Inter (NDs) 1 of 2**

Interwell Prediction Limit (Resamples) Appendix III - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 5/27/2022, 1:16 PM

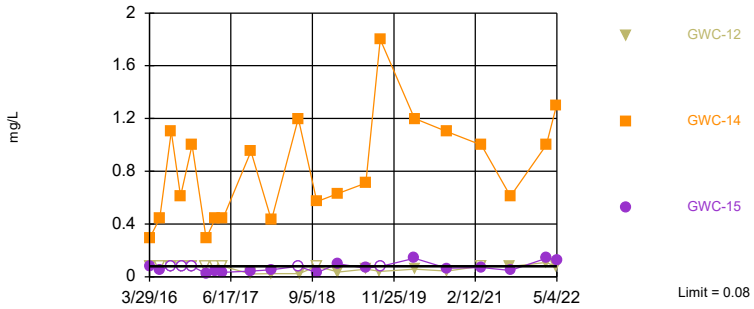
Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron, total (mg/L)	GWC-12	0.08	n/a	5/3/2022	0.075J	No	113	n/a	n/a	97.35	n/a	n/a	0.0001527	NP Inter (NDs) 1 of 2
Boron, total (mg/L)	**GWC-14**	**0.08**	**n/a**	**5/3/2022**	**1.3**	**Yes**	**113**	**n/a**	**n/a**	**97.35**	**n/a**	**n/a**	**0.0001527**	**NP Inter (NDs) 1 of 2**
Boron, total (mg/L)	**GWC-15**	**0.08**	**n/a**	**5/4/2022**	**0.13**	**Yes**	**113**	**n/a**	**n/a**	**97.35**	**n/a**	**n/a**	**0.0001527**	**NP Inter (NDs) 1 of 2**

Sanitas™ v.9.6.32a Sanitas software utilized by Groundwater Stats Consulting. UG
Hollow symbols indicate censored values.

Exceeds Limit: GWC-14, GWC-15

Prediction Limit

Interwell Non-parametric



Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 113 background values. 97.35% NDs. Annual per-constituent alpha = 0.008817. Individual comparison alpha = 0.0001527 (1 of 2). Comparing 3 points to limit. Assumes 26 future values.

Constituent: Boron, total Analysis Run 5/27/2022 1:15 PM View: PLs Two-Step App III Resamples
Plant Wansley Client: Southern Company Data: Wansley Landfill

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 5/27/2022 1:16 PM View: PLs Two-Step App III Resamples

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28 (bg)	GWA-29 (bg)	GWA-1 (bg)	GWA-4 (bg)	GWA-2 (bg)	GWC-12	GWC-15	GWC-14	GWA-3 (bg)
3/22/2016	<0.08	<0.08							
3/23/2016			<0.08	<0.08	<0.08				
3/29/2016						<0.08			
3/30/2016							0.0787 (J)	0.291	
3/31/2016									<0.08
5/19/2016		<0.08		<0.08					
5/20/2016			<0.08						
5/23/2016	<0.08								
5/24/2016					<0.08				
5/25/2016						<0.08	0.0536 (J)	0.443	<0.08
7/21/2016		<0.08	<0.08	<0.08					
7/22/2016						<0.08			
7/25/2016	<0.08								
7/26/2016					<0.08		<0.08	1.1	
7/27/2016									<0.08
9/14/2016				<0.08					
9/15/2016	<0.08		<0.08			<0.08		0.61	
9/16/2016					<0.08				
9/20/2016							<0.08		
11/9/2016	<0.08								
11/10/2016				<0.08	<0.08				
11/11/2016			<0.08						
11/16/2016						<0.08			
11/17/2016							<0.08	1	
1/17/2017	<0.08	<0.08		<0.08					
1/19/2017			<0.08		<0.08				
1/31/2017						<0.08			
2/1/2017							0.023 (J)	0.29	
3/16/2017	<0.08		<0.08	<0.08					
3/17/2017					<0.08				
3/23/2017						<0.08	0.042 (J)	0.44	
4/27/2017	<0.08	<0.08		<0.08					
4/28/2017			<0.08		<0.08				
5/3/2017						<0.08	0.034 (J)	0.44	
7/18/2017		0.027 (J)							
8/1/2017		<0.08							<0.08
10/3/2017	<0.08	<0.08		<0.08	<0.08				<0.08
10/4/2017			<0.08			0.022 (J)	0.044 (J)	0.95	
1/19/2018	<0.08	<0.08	<0.08		<0.08				
1/22/2018				<0.08					
1/24/2018						0.023 (J)			
1/25/2018							0.052	0.43	
6/19/2018	<0.08	<0.08	<0.08	<0.08	<0.08				
6/20/2018							<0.08	1.2	<0.08
6/26/2018						0.024 (J)			
9/25/2018	<0.08	<0.08	<0.08	<0.08	<0.08				
9/28/2018						<0.08			
10/1/2018							0.03 (J)	0.57	
1/17/2019			<0.08	<0.08	<0.08				
1/18/2019		<0.08							<0.08
1/21/2019	<0.08								
1/22/2019							0.1	0.63	

Prediction Limit

Constituent: Boron, total (mg/L) Analysis Run 5/27/2022 1:16 PM View: PLs Two-Step App III Resamples

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-28 (bg)	GWA-29 (bg)	GWA-1 (bg)	GWA-4 (bg)	GWA-2 (bg)	GWC-12	GWC-15	GWC-14	GWA-3 (bg)
1/25/2019						0.036 (J)			
6/24/2019			0.034 (J)	<0.08	<0.08				
6/25/2019	<0.08	<0.08					0.066 (J)	0.71	<0.08
6/26/2019						0.057 (J)			
9/9/2019			<0.08						
9/10/2019	<0.08	<0.08		<0.08	<0.08				
9/11/2019						0.042 (J)			<0.08
9/12/2019								1.8	
9/17/2019							<0.08		
3/10/2020	<0.08	<0.08	0.041 (J)	<0.08	<0.08				<0.08
3/16/2020							0.14		
3/17/2020								1.2	
3/18/2020						0.058 (J)			
9/9/2020	<0.08	<0.08	<0.08	<0.08					<0.08
9/10/2020					<0.08	0.043 (J)	0.064 (J)	1.1	
3/15/2021	<0.08	<0.08	<0.08	<0.08	<0.08				<0.08
3/16/2021						<0.08			
3/17/2021								1	
3/18/2021							0.071 (J)		
8/16/2021	<0.08		<0.08						
8/18/2021		<0.08		<0.08	<0.08				<0.08
8/19/2021						0.077 (J)			
8/23/2021								0.61	
8/24/2021							0.047 (J)		
2/28/2022			<0.08						
3/1/2022	<0.08			<0.08	<0.08				<0.08
3/2/2022		<0.08							
3/7/2022						0.11	0.14	1	
5/3/2022						0.075 (J)		1.3	
5/4/2022							0.13		

APPENDIX C

ALTERNATE SOURCE DEMONSTRATION

Georgia Power

Plant Wansley CCR Landfill

PERMIT #: 074-005D(LI)

Heard County

ALTERNATE SOURCE DEMONSTRATION - ADDENDUM

Atlantic Coast Consulting, Inc.

CERTIFICATION STATEMENT

I hereby certify that the information used in this alternate source demonstration for the CCR Unit located at Georgia Power's Plant Wansley located at 1371 Liberty Church Road, Carrollton, Georgia, and designated as the Coal Combustion By-Product Disposal Facility, is accurate pursuant to the requirements of 40 CFR §257.94(e)(2). I hereby certify that I am a qualified groundwater scientist, in accordance with the Georgia Rules of Solid Waste Management, and 40 CFR Part 258.50(g).

Ryan K. Walker, P.G.
Georgia Registered Professional
Geologist No. 2378
Originator
August 31,2022

Chad Hall, PhD, P.E.
Georgia Registered Professional
Engineer No. 40688
Reviewer
August 31,2022

Table of Contents

1.0 Introduction 1
2.0 Alternate Source Demonstration 3
2.1 SSI Identification 3
2.2 Data Review 3
2.3 Alternate Source Review 4
2.4 Summary and Recommendations 7
3.0 Conclusions and Recommendations 9
4.0 References 9

Figures

Figure 1 – Plant Wansley Landfill Site Map
Figure 2 – Plant Wansley Landfill Potentiometric Contour Map, March 2022
Figure 3 – Boron Time Series Plot for GWC-14 and GWC-15
Figure 4 – Chloride Time Series Plot for GWC-14 and GWC-15
Figure 5 – Location of Return Water Pipe

Exhibits

Exhibit 1 – Expansion Joint Rupture of the Return Water Pipe
Exhibit 2 – Vegetative Cover on the Embankment Northeast (Downhill) of the Return Water Pipe Rupture
Exhibit 3 – Embankment Repair Uphill from GWC-14

Appendices

Appendix A – Alternate Source Demonstration for Plant Wansley CCR Landfill (April 2018)

1.0 Introduction

This Alternate Source Demonstration (ASD) Addendum report has been prepared to address statistically significant increases (SSIs) identified in the groundwater monitoring network at the Georgia Power Company (GPC) – Plant Wansley CCR Landfill (the site) following the first semiannual detection monitoring event of 2022. This ASD Addendum also provides additional data in support of the ASD submitted to Georgia Environmental Protection Division (EPD) in 2018 (ACC, 2018). The complete 2018 ASD is provided as Attachment A. This ASD addendum has been prepared pursuant to 40 CFR 257.94(e)(2).

The site, located in northeast Heard County and southeast Carroll County, Georgia, is comprised of three cells within an approximate 73-acre footprint (Figure 1). The landfill is permitted to operate by the Georgia EPD [Solid Waste Handling Permit No. 074-005D(LI)].

In October 2017, a semiannual detection monitoring event was conducted at the site (ERM, 2018) in accordance with the United States Environmental Protection Agency (USEPA) CCR rule (40 Code of Federal Regulations [CFR] 257 Subpart D; published in 80 FR21302-21501, April 17, 2015). As a result of the statistical analysis, SSIs were identified, and subsequently addressed by the 2018 ASD for the following constituents (see Figure 2 for well locations):

- Boron: GWC-9 and GWC-14
- Chloride: GWC-14
- Fluoride: GWC-32

Since submittal of the 2018 ASD, SSIs are no longer present in groundwater data for GWC-9 (boron) and GWC-32 (fluoride). The concentration of boron in GWC-9 has since returned below the site prediction limit and has exhibited a stable or decreasing trend since March 2020. Similarly, the concentration of fluoride in GWC-32 has returned below the site prediction limit and has exhibited a stable or decreasing trend since January 2018. As described in the 2018 ASD (Attachment A), both SSIs for GWC-9 and GWC-32 were due to a source other than the CCR landfill. At that time there was no waste placement near those wells and SSIs were attributed to natural variations observed in groundwater because of drought conditions (GWC-9) and natural occurrence in rock (GWC-32). Because these are no longer SSIs, natural variability is indicated. The SSIs for GWC-14 (boron and chloride) are still present and the 2018 ASD applies.

In March 2022, a semiannual detection monitoring event was conducted at the site in accordance with 40 CFR §257 Subpart D. The monitoring data were submitted for statistical analysis (Groundwater Stats Consulting - GSC, 2022). Based on the statistical results and verification sampling conducted in May 2022, an additional SSI was identified for boron in the sample from GWC-15. The verified SSIs identified during the March 2022 monitoring event are:

- Boron: GWC-14 and GWC-15
- Chloride: GWC-14

These three SSIs are the subject of this Addendum.

2.0 Alternate Source Demonstration

This ASD builds on information provided in the 2018 ASD and demonstrates that the landfill is not the source of the SSIs at GWC-14 (boron and chloride) and GWC-15 (boron). The following sections provide specific demonstrations to support that the apparent source of the SSIs at GWC-14 and GWC-15 is a failure of a joint in the return water piping system that occurred in 2014 and has subsequently been repaired.

2.1 SSI Identification

Statistical analysis by GSC from the March 2022 groundwater monitoring event identified two Appendix III analyte (boron and chloride) SSIs for GWC-14. The boron and chloride concentrations of 1.0 and 160 milligrams per liter (mg/L) were above the site prediction limits of 0.080 mg/L and 49 mg/L, respectively. A verification resample was collected for boron in May 2022 and the original result was verified at a concentration of 1.3 mg/L. A verification resample was not collected for chloride and therefore, it is considered an SSI. As noted in the 2018 ASD, boron and chloride were first identified as SSIs in GWC-14 in the 2017 Annual Groundwater Monitoring and Corrective Action Report (AGMCAR) (ERM, 2018).

Statistical analysis (GSC, 2022) from the March 2022 groundwater monitoring event also identified an Appendix III analyte (boron) SSI in GWC-15. Boron was detected at a concentration of 0.14 mg/L, slightly above the statistically derived site prediction limit of 0.080 mg/L. A verification resample was collected for boron in May 2022 which verified the SSI at a concentration of 0.13 mg/L. A third sample was collected and analyzed for boron in June 2022 as part of further evaluation of boron at GWC-15 and resulted in an estimated boron concentration of 0.067J mg/L ("J" flagged values are estimated concentrations between the laboratory's method detection limit and practical quantitative limit), which is below the prediction limit of 0.080 mg/L.

The Plant Wansley Landfill February/March 2022 Statistical Analysis (GSC, 2022) also includes analysis of Appendix I metals which were not identified as SSIs.

2.2 Data Review

The concentration ranges for boron and chloride at GWC-14 have shown variability during monitoring. Concentrations of boron at GWC-14 range from 0.29 to 1.8 mg/L, and chloride ranges from 46 to 190 mg/L as shown on Figures 3 and 4. Boron time-series plots for GWC-14 and GWC-15 are shown on Figure 3, and chloride time-series plots for GWC-14 and GWC-15 are shown on Figure 4.

The low-level boron detections at GWC-15 have been variable during monitoring ranging from 0.047J to 0.14 mg/L as shown in Figure 3. Following the March and May 2022 sampling events, another sample was collected for boron in June 2022 resulting in an estimated "J" value of 0.067J mg/L, which is below the site prediction limit. The geometric mean of the boron data between 2016 and 2022 is 0.060 mg/L, also below the site prediction limit, and illustrates the low-level nature of boron concentrations in GWC-15.

2.3 Alternate Source Review

Because the CCR Unit has a High-Density Polyethylene (HDPE) liner and leachate collection system, it is unlikely that the CCR Unit is the source of groundwater impact at GWC-14 and GWC-15. Therefore, the potential for an alternate source(s) has been evaluated.

Groundwater monitoring well GWC-14 is located both downhill and downgradient from the return water pond, return water pumps, and electrical control building. Groundwater monitoring well GWC-15 is located approximately 370 feet southeast of GWC-14 and is also downhill and tangentially downgradient from the return water pond, return water pumps and associated piping, and electrical control building. The locations of both monitoring wells are depicted on Figure 2. Leachate is transferred from the return water pond through the return water dual walled pipes to the plant for operational purposes. Outside of the return water pond's double-liner system, piping is dual contained within two 16-inch diameter HDPE pipes that reside within 30-inch HDPE carrier pipes. Return water is pumped from the clear pool into the two dual contained pipes, then it exits the permitted site boundary on its return to the plant for reuse.

On August 30, 2014, an aboveground expansion joint on the return water pipe failed. The expansion joint served as a fail-safe measure to ensure the pipes themselves remained intact. Figure 5 illustrates the approximate location of the failure relative to groundwater wells GWC-14 and GWC-15, and groundwater flow direction. A picture of the expansion joint is presented in Exhibit 1, and photographs of the slope where the aboveground flow from the pipe occurred and of the repaired slope near GWC-14 are embedded below as Exhibit 2 and 3, respectively.

At the time of the expansion joint failure, Georgia EPD was immediately, verbally notified and subsequently provided written notification. GPC addressed the area by excavating affected embankment soils; however, the sampling results for GWC-14 and GWC-15 and the absence of other apparent explanation for those results indicates that some infiltration reached the water table and has ultimately affected the groundwater sampled at GWC-14, as documented in the 2018 ASD and, to a lesser extent, GWC-15.

Exhibit 1 Expansion Joint Rupture of the Return Water Pipe

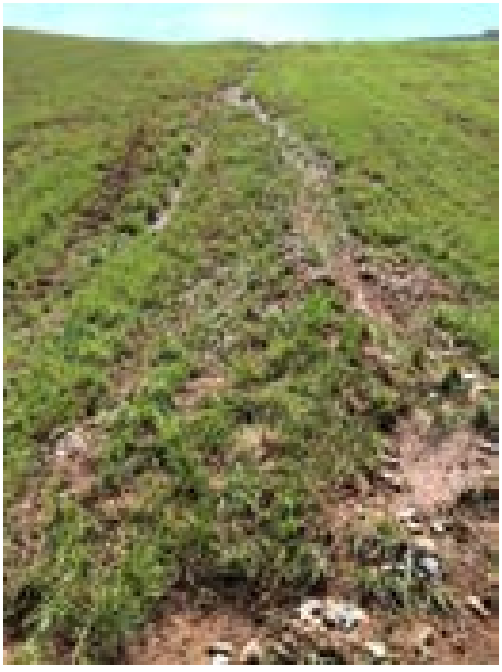


Exhibit 2 Vegetative Cover on the Embankment Northeast (Downhill) of the Return Water Pipe Rupture

Exhibit 3 Embankment Repair Uphill from GWC-14.

The facility made immediate and long-term repairs. The pond and piping are now fully repaired and functional. Additionally, the pump station has been moved to the edge of the return water pond, so in the occurrence of a future pumping failure or leak, the release would drain back into the pond.

The dataset observed for GWC-14 and GWC-15 is consistent with a one-time, transient event resulting from a discrete mechanical failure. The aboveground flow from the joint failure was downhill towards GWC-14 where it was first detected. Some effect of the release is being detected, at low-level concentrations, at GWC-15. Due to the steepness of the slope at the pipe rupture, likely nominal infiltration occurred and due to the spatial location of GWC-15, there has been minimal impact to groundwater (as demonstrated by the low concentrations on Figure 3).

Furthermore, there have been no SSIs identified for boron and chloride at GWC-13, which is located approximately 326 feet northwest and tangentially upgradient of the joint failure area and GWC-14 (Figure 2). Because groundwater impact was first identified at GWC-14, then at GWC-15, and there is no associated impact at GWC-13, the cause would have to be downgradient (or cross gradient) to GWC-13, and upgradient of GWC-14 and GWC-15. The cause must also be closer to GWC-14 than GWC-15. The failure of the expansion joint of the return water line in 2014 satisfies these constraints for the alternate source.

The pipe failure occurred in August 2014 and the initial boron SSI for GWC-14 was confirmed in October 2017. As previously established, GWC-14 is directly downgradient of the expansion pipe failure; however, the initial boron SSI at GWC-14 was approximately three years after the pipe failure. While boron has been detected

at estimated values in GWC-15 since 2016, the time from the failure of the expansion joint to the initial, confirmed SSI (May 2022) was approximately 7.6 years.

The published groundwater flow velocity in the 2022 Semiannual Groundwater Monitoring and Corrective Action Report at the site is 0.46 feet per day or 168 feet per year (ACC, 2022). The distance between the expansion joint failure and GWC-15 is approximately 529 feet. Thus, if GWC-15 were directly downgradient of the expansion joint failure and groundwater flow velocity remained consistent, it would take approximately 3 years for groundwater to move from the joint failure to GWC-15. However, GWC-15 is located tangentially downgradient from the joint failure and factors like soil adsorption, dilution, and variable soil consistency may alter travel times.

The initial, relatively higher value of boron at GWC-15 was 0.1 mg/L and occurred on January 22, 2019, approximately 4.4 years since the initial pipe failure. The next higher value of boron at GWC-15 (0.14 mg/L) occurred on March 16, 2020, approximately 5.6 years since the initial pipe failure, and was identified as an initial prediction limit exceedance. However, a subsequent verification event conducted on May 4, 2020 did not confirm the results. The concentration of boron at GWC-15 (0.14 mg/L) on March 7, 2022 was confirmed to be an SSI following a subsequent verification event conducted on May 4, 2022. Therefore, verified, elevated boron detections at GWC-15 occurred approximately 7.6 years from the initial pipe failure and approximately 4.6 years after the initial boron SSI at GWC-14.

The distance and the relatively slow groundwater velocity demonstrates why boron levels associated with the joint failure were detected in GWC-15 after several years. As discussed above, due to the steepness of the slope where the discharge occurred, there was likely nominal infiltration to groundwater. Due to the spatial location of GWC-15, and relatively slow groundwater flow velocity, there are only low-level concentrations of boron at GWC-15. Due to the repairs and enhanced protocols for containment, it is anticipated that there will be a stable declining trend at GWC-15 and eventually at GWC-14. As GWC-14 is located closer to the expansion pipe failure, it most likely will be influenced by infiltration of the released return water from the expansion pipe failure for a longer period of time than GWC-15, which is located tangentially downgradient and further away from the pipe failure. Stability and declining trends are further evidenced by the June 2022 resampling event (0.067J mg/L) that resulted in an estimated boron concentration below the prediction limit in GWC-15.

2.4 Summary and Recommendations

Based on the landfill having an HDPE liner and observations made as part of the 2018 ASD and this ASD addendum, the landfill is not a source of the SSIs at GWC-14 and GWC-15. The apparent source is a failure in 2014 of an expansion joint on the return water piping that occurred outside of the lined area, and was immediately addressed. In 2017, the facility completed enhancements to the return water pond and associated infrastructure that will prevent similar events from occurring in the future. These repairs will allow boron and chloride concentrations to return to background levels,

which may already be occurring as indicated by the June 2022 resampling of GWC-15 that resulted in a boron concentration below the prediction limit. Because GWC-14 is located closer to the expansion pipe failure, it most likely will be influenced by infiltration of the released return water from the expansion pipe failure longer than GWC-15. Thus, the anticipated declining trends for boron and chloride in GWC-14 may take longer to occur. The low groundwater velocity and tangentially downgradient location of GWC-15 at the site explains the time lag between the expansion joint failure, SSIs at GWC-14, and SSIs at GWC-15 several years after the initial piping failure occurred.

3.0 Conclusions and Recommendations

The Plant Wansley Landfill February/March 2022 Statistical Analysis report identified SSIs for two groundwater monitoring locations: GWC-14 (boron and chloride) and GWC-15 (boron). This ASD addendum has identified the following sources for each location with an SSI:

- GWC-14
  - A source other than the CCR unit caused the boron and chloride SSIs (operational issue and repair)
- GWC-15
  - A source other than the CCR unit caused the boron SSI (operational issue and repair)

All locations have met the requirements for a demonstration listed in §257.94(e)(2). Therefore, all locations should remain in detection monitoring at this time. Detection monitoring results will continue to be presented in the Semiannual and Annual Groundwater Monitoring and Corrective Action Reports.

4.0 References

ACC, Inc. (ACC), *Alternate Source Demonstration*, Plant Wansley CCR Landfill, 2018.

ACC, Inc. (ACC), 2021 Annual Groundwater Monitoring and Corrective Action Report, 2021.

ACC, Inc. (ACC), 2022 Semiannual Groundwater Monitoring and Corrective Action Report, 2022.

ERM, Inc. *2017 Annual Groundwater Monitoring and Corrective Action Report*, Plant Wansley CCB Disposal Facility, 2018.

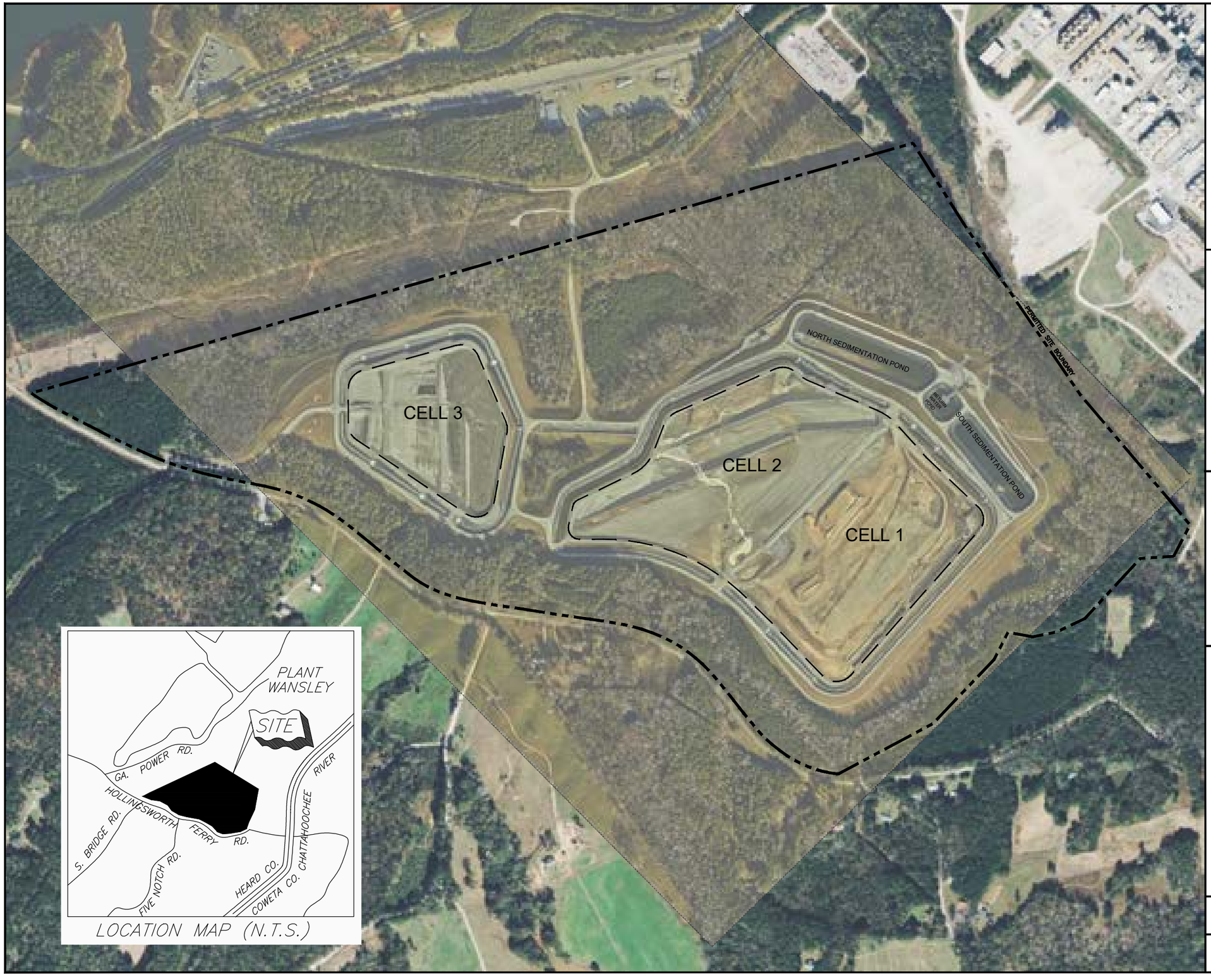
ERM, Inc. *Well Design, Installation, Development, and Decommissioning Report*, Plant Wansley CCB Disposal Facility, 2017.

Groundwater Stats Consulting, Plant Wansley Landfill Background Update and February/March 2022 Statistical Analysis, May 29, 2022.

Southern Company Generation Engineering and Construction Services, *Design and Operation Plans*, Plant Wansley Coal Combustion By-Product Disposal Facility, 2012.

Southern Company Services, Inc. 2007. Georgia Power Company Plant Wansley Proposed Coal Combustion By-Product Disposal Facility Site Acceptability Report – Revision 1.

FIGURES



LOCATION MAP (N.T.S.)

ATLANTIC COAST CONSULTING, INC.

600 0 300 600

SCALE (IN FEET)

LEGEND:

EXISTING	DESCRIPTION
	APPROXIMATE PROPERTY BOUNDARY
	APPROXIMATE LANDFILL/CELL BOUNDARY

NOTE:
1. AERIAL DATED 1/10/2022 FROM SAM, LLC. ADDITIONAL PHOTOGRAPHY DATED 2022 FROM MICROSOFT CORPORATION, MAXAR, CNES, DISTRIBUTION AIRBUS DS.

PROJECT

Georgia Power

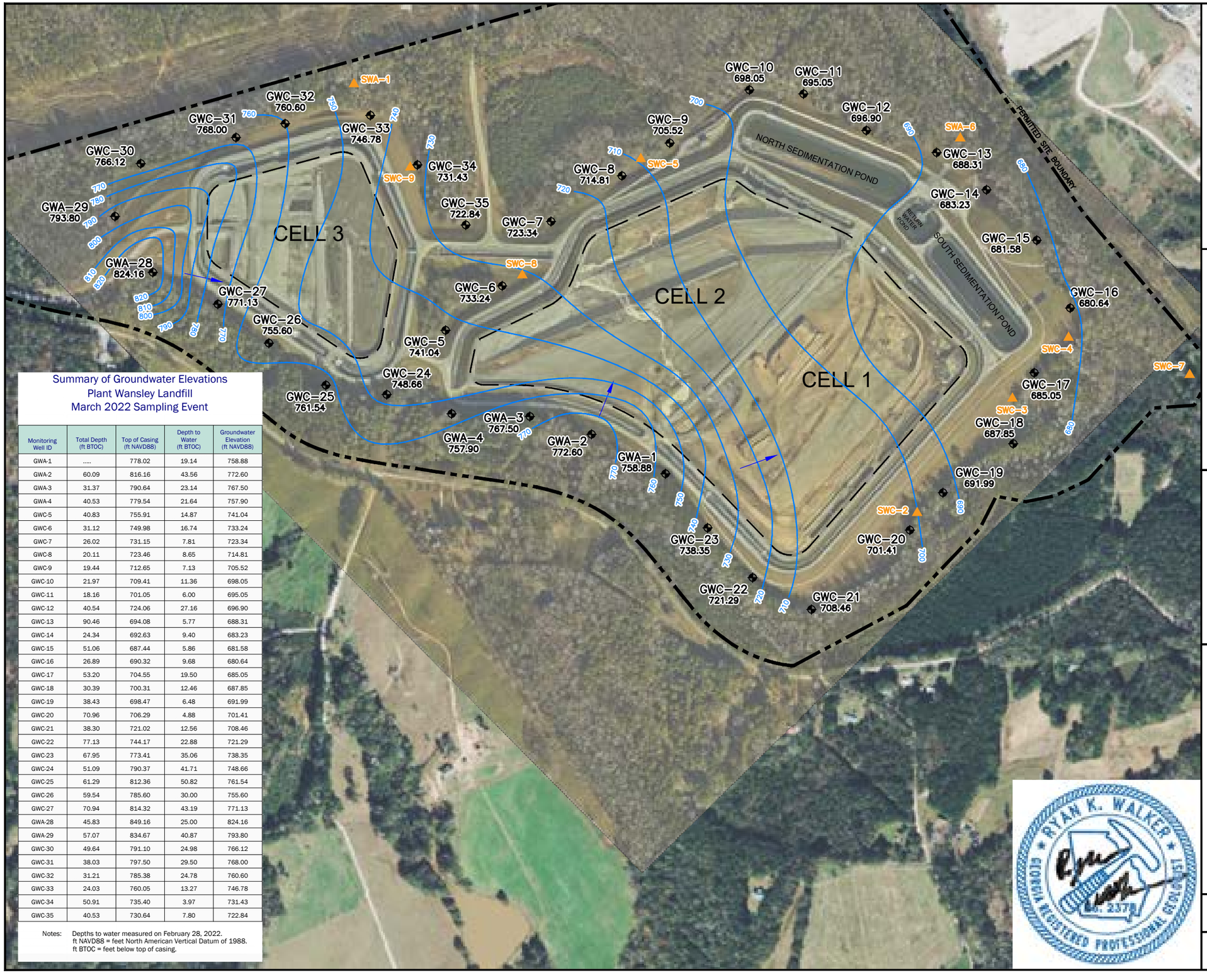
GEORGIA POWER COMPANY
PLANT WANSLEY LANDFILL

ALTERNATE SOURCE DEMONSTRATION

SITE MAP

PROJECT NO. I054-110 June 2022

DRAWN BY:	MM	FIGURE:
CHECKED BY:	RW	1



Summary of Groundwater Elevations
Plant Wansley Landfill
March 2022 Sampling Event

Monitoring Well ID	Total Depth (ft BTOC)	Top of Casing (ft NAVD88)	Depth to Water (ft BTOC)	Groundwater Elevation (ft NAVD88)
GWA-1	.....	778.02	19.14	758.88
GWA-2	60.09	816.16	43.56	772.60
GWA-3	31.37	790.64	23.14	767.50
GWA-4	40.53	779.54	21.64	757.90
GWC-5	40.83	755.91	14.87	741.04
GWC-6	31.12	749.98	16.74	733.24
GWC-7	26.02	731.15	7.81	723.34
GWC-8	20.11	723.46	8.65	714.81
GWC-9	19.44	712.65	7.13	705.52
GWC-10	21.97	709.41	11.36	698.05
GWC-11	18.16	701.05	6.00	695.05
GWC-12	40.54	724.06	27.16	696.90
GWC-13	90.46	694.08	5.77	688.31
GWC-14	24.34	692.63	9.40	683.23
GWC-15	51.06	687.44	5.86	681.58
GWC-16	26.89	690.32	9.68	680.64
GWC-17	53.20	704.55	19.50	685.05
GWC-18	30.39	700.31	12.46	687.85
GWC-19	38.43	698.47	6.48	691.99
GWC-20	70.96	706.29	4.88	701.41
GWC-21	38.30	721.02	12.56	708.46
GWC-22	77.13	744.17	22.88	721.29
GWC-23	67.95	773.41	35.06	738.35
GWC-24	51.09	790.37	41.71	748.66
GWC-25	61.29	812.36	50.82	761.54
GWC-26	59.54	785.60	30.00	755.60
GWC-27	70.94	814.32	43.19	771.13
GWA-28	45.83	849.16	25.00	824.16
GWA-29	57.07	834.67	40.87	793.80
GWC-30	49.64	791.10	24.98	766.12
GWC-31	38.03	797.50	29.50	768.00
GWC-32	31.21	785.38	24.78	760.60
GWC-33	24.03	760.05	13.27	746.78
GWC-34	50.91	735.40	3.97	731.43
GWC-35	40.53	730.64	7.80	722.84

Notes: Depths to water measured on February 28, 2022.
ft NAVD88 = feet North American Vertical Datum of 1988.
ft BTOC = feet below top of casing.

ATLANTIC COAST CONSULTING, INC.

500 0 250 500
SCALE (IN FEET)

LEGEND:

EXISTING	DESCRIPTION
	APPROXIMATE PROPERTY BOUNDARY
	APPROXIMATE LANDFILL/CELL BOUNDARY
GWC-10 697.52	MONITORING WELL GROUNDWATER ELEVATION
SWA-1	SURFACE WATER MONITORING POINT
700 700	GROUNDWATER ELEVATION CONTOUR
	GROUNDWATER FLOW DIRECTION

NOTE:
1. SURFACE WATER MONITORING POINTS SWC-2, SWC-3, SWC-4, SWC-5, SWC-8, AND SWC-9 ARE UNDERDRAIN SAMPLING LOCATIONS.
2. AERIAL DATED 1/10/2022 FROM SAM, LLC. ADDITIONAL PHOTOGRAPHY DATED 2022 FROM MICROSOFT CORPORATION, MAXAR, CNES, DISTRIBUTION AIRBUS DS.

PROJECT

Georgia Power

GEORGIA POWER COMPANY
PLANT WANSLEY LANDFILL

ALTERNATE SOURCE DEMONSTRATION

POTENTIOMETRIC CONTOUR MAP MARCH 2022

PROJECT NO. I054-110 June 2022

DRAWN BY: JB

CHECKED BY: MM

FIGURE: 2

Sanitas™ v.9.6.35 Sanitas software licensed to ACC.
Hollow symbols indicate censored values.

Figure 3
Boron Time Series Plot for GWC-14 and GWC-15

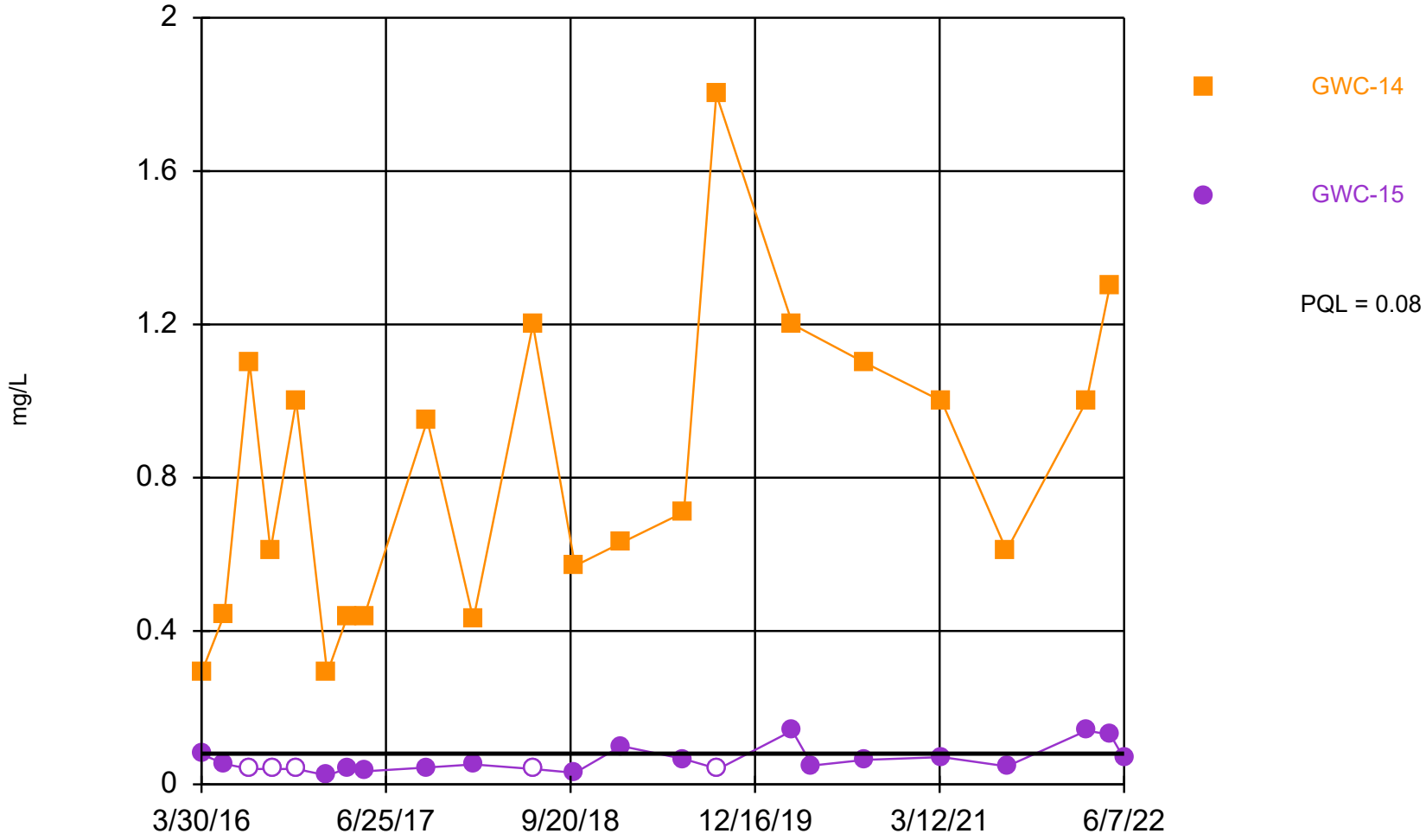
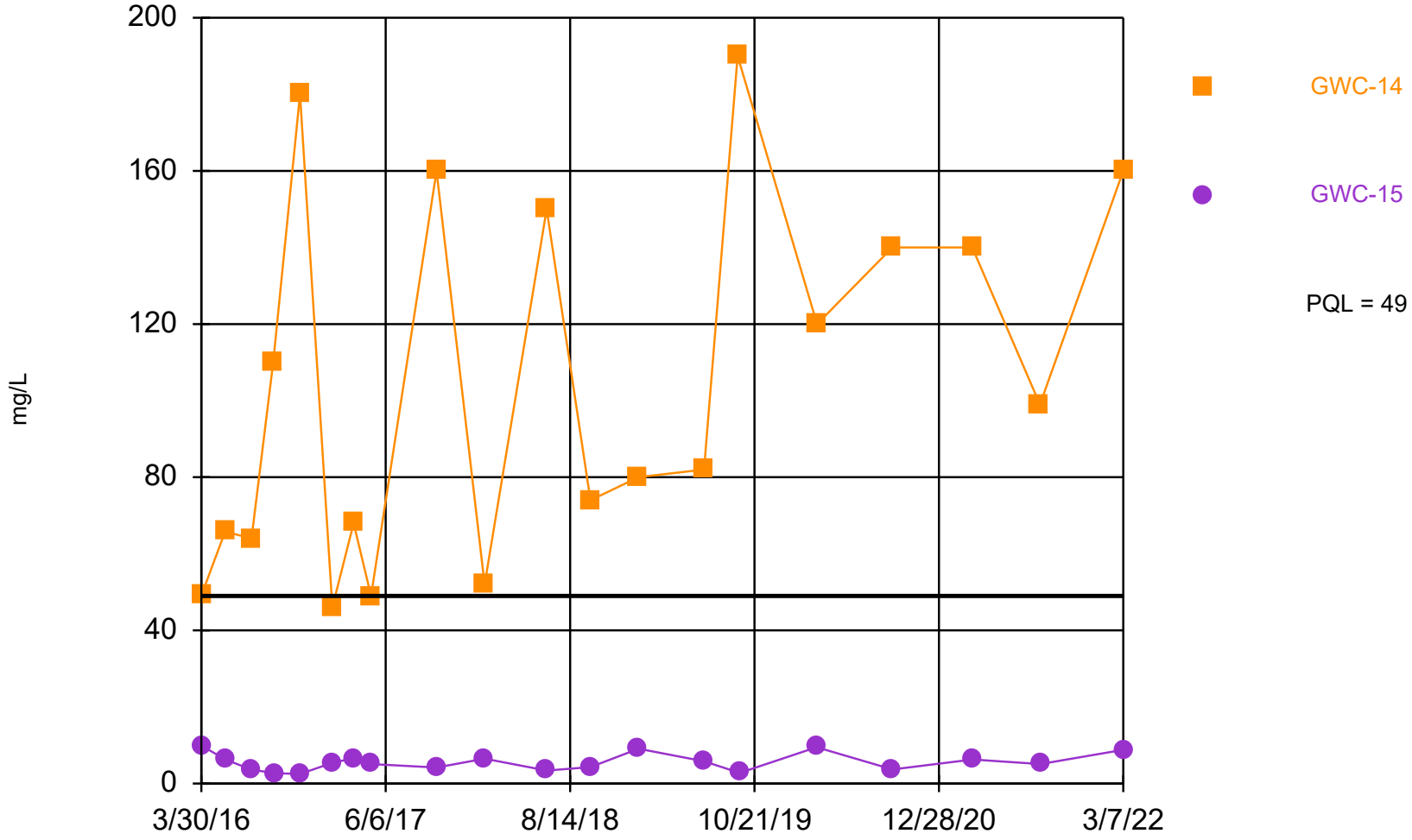
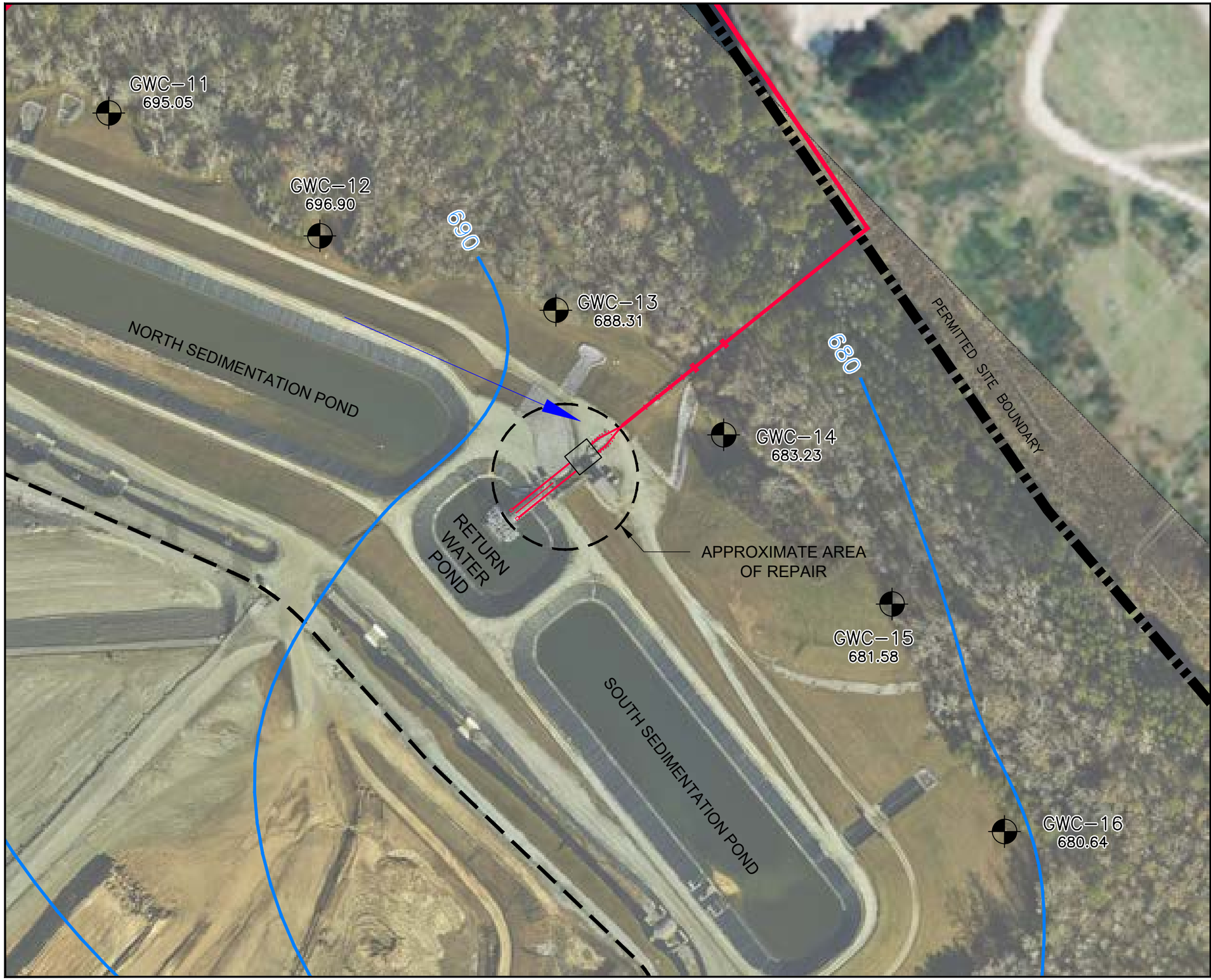


Figure 4
Chloride Time Series Plot for GWC-14 and GWC-15





ATLANTIC COAST CONSULTING, INC.

150 0 75 150

SCALE (IN FEET)

LEGEND:

EXISTING	DESCRIPTION
	APPROXIMATE PROPERTY BOUNDARY
	APPROXIMATE LANDFILL/CELL BOUNDARY
GWC–10 697.52	MONITORING WELL GROUNDWATER ELEVATION
700 700	GROUNDWATER ELEVATION CONTOUR
	GROUNDWATER FLOW DIRECTION
	RETURN WATER LINE

NOTE:
1. SURFACE WATER MONITORING POINTS SWC-2, SWC-3, SWC-4, SWC-5, SWC-8, AND SWC-9 ARE UNDERDRAIN SAMPLING LOCATIONS.
2. AERIAL DATED 1/10/2022 FROM SAM, LLC. ADDITIONAL PHOTOGRAPHY DATED 2022 FROM MICROSOFT CORPORATION, MAXAR, CNES, DISTRIBUTION AIRBUS DS.
3. DEPTHS TO WATER MEASURED ON FEBRUARY 28, 2022.
4. LOCATION OF RETURN WATER LINE SOURCED FROM CAD DRAWING H1C11165.

PROJECT

Georgia Power

GEORGIA POWER COMPANY
PLANT WANSLEY LANDFILL

ALTERNATE SOURCE DEMONSTRATION

LOCATION OF RETURN WATER LINE

PROJECT NO. I054-110 JULY 2022

DRAWN BY:	AS	FIGURE:
CHECKED BY:	MJ	5

APPENDICES

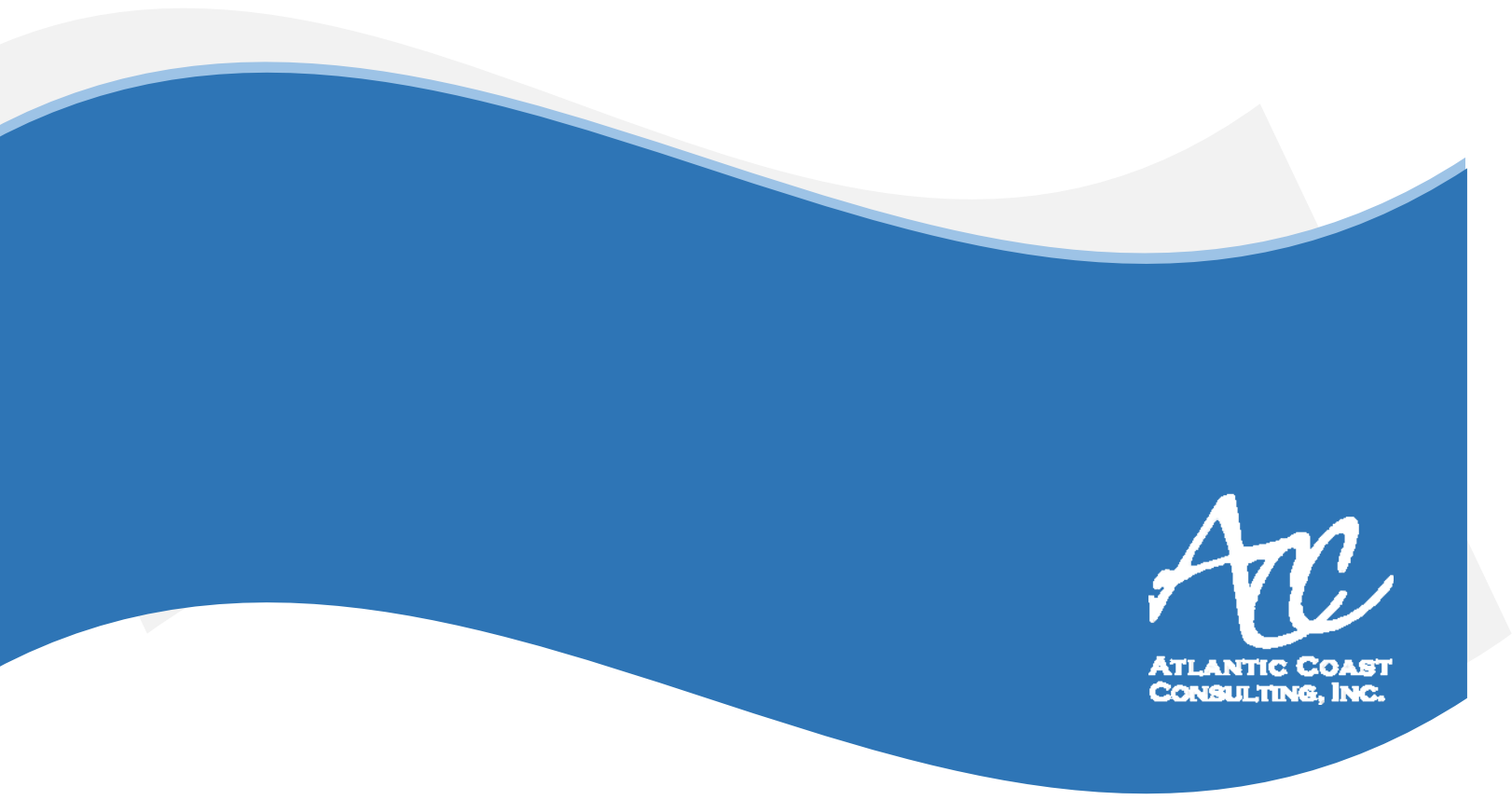
APPENDIX A

Alternate Source Demonstration (ASD) for Plant Wansley CCR Landfill (April 2018)

Georgia Power Company
Plant Wansley CCR Landfill

Carrollton, Georgia 30116
Heard County

Alternate Source Demonstration



Atlantic Coast Consulting, Inc.

Certification Statement

I hereby certify that the information used in this alternate source demonstration for the CCR Unit located at Georgia Power's Plant Wansley located at 1371 Liberty Church Road, Carrollton, Georgia, and designated as the Coal Combustion By-Product Disposal Facility, is accurate pursuant to the requirements of 40 CFR §257.94(e)(2).

Evan B. Perry, P.G.
Georgia Registered Professional
Geologist No. 1744
Originator

Richard T. Deason, P.E.
Georgia Registered Professional
Engineer No. 2213
Reviewer

Table of Contents

Cover Sheet

Certification Statement

Table of Contents

Section Page No.

SECTION 1 Introduction 1
SECTION 2 Alternate Source Demonstration 2
2.1 GWC-9 2
2.1.1 SSI Identification 2
2.1.2 Data Review 2
2.1.3 Alternate Source Review 3
2.1.4 Natural Variation in Groundwater Quality 3
2.1.5 Summary and Recommendations 4
2.2 GWC-14 4
2.2.1 SSI Identification 4
2.2.2 Data Review 4
2.2.3 Alternate Source Review 4
2.2.4 Summary and Recommendations 5
2.3 GWC-32 5
2.3.1 SSI Identification 5
2.3.2 Data Review 5
2.3.3 Alternate Source Review 6
2.3.4 Natural Variation in Groundwater Quality 6
2.3.5 Summary and Recommendations 7
SECTION 3 Conclusions and Recommendations 8
SECTION 4 References 9

Tables

Table 1 – Rock Sample Fluoride Concentrations

Figures

Figure 1 – Plant Wansley CCB Location Map
Figure 2 – Plant Wansley CCB January 2018 Potentiometric Surface Map
Figure 3 – Boron Time Series Plot for GWC-9
Figure 4 – Chloride Time Series Plot for GWC-9
Figure 5 – TDS Time Series Plot for GWC-9
Figure 6 – Calcium Time Series Plot for GWC-9
Figure 7 – Groundwater Elevation and Boron Time Series Plot for GWC-9

Figure 8 – Boron Time Series Plot for GWC-14
Figure 9 – Chloride Time Series Plot for GWC-14
Figure 10 –Fluoride Time Series Plot for Cell 3 Monitoring Wells
Figure 11 – Piper Plot for Cell 3 Monitoring Wells
Figure 12 – Stiff Diagrams for Cell 3 Monitoring Wells

Appendices

Appendix A – Boring Logs
Appendix B – Laboratory Analytical Results & Purge Data Sheets

SECTION 1
Introduction

This document presents an alternate source demonstration (ASD) for statistically significant increases (SSIs) as identified in the 2017 Annual Groundwater Monitoring and Corrective Action Report submitted on January 31, 2018. This ASD has been prepared pursuant to 40 CFR 257.94(e)(2), which states that "the owner/operator may demonstrate that a source other than the coal combustion residual (CCR) unit caused the statistically significant increase over background levels for a constituent or that the statistically significant increase resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality."

Georgia Power Company (GPC) – Plant Wansley CCR Landfill (the site) is located in northeast Heard County and southeast Carroll County on Liberty Church Road, approximately 12 miles southeast of the City of Carrollton. The plant property encompasses approximately 5,100 acres and the landfill is permitted to operate by the Georgia Environmental Protection Division (EPD) [Permit No. 074-005D(L)(I)]. The disposal facility is comprised of three cells within an approximate 73-acre disposal footprint. Figure 1, Plant Wansley CCB Disposal Facility Site Location Map, depicts the site location referenced to regional landmarks. The facility has received only flue gas desulfurization gypsum waste from GPC – Plant Wansley to date: however, a recently approved permit modification will allow for all forms of CCR to be disposed in the future.

In accordance with the United States Environmental Protection Agency (USEPA) CCR rule (40 Code of Federal Regulations [CFR] 257 Subpart D; published in 80 FR21302-21501, April 17, 2015), the facility prepared the *2017 Annual Groundwater Monitoring and Corrective Action Report* to document groundwater monitoring activities conducted at the site and satisfy the requirements of §257.90(e). Groundwater monitoring and reporting for the site is performed in accordance with the monitoring requirements §257.90 through §257.98. In that report, SSIs were identified as follows:

- Boron: GWC-9 and GWC-14
- Chloride: GWC-14
- Fluoride: GWC-32

SECTION 2
Alternate Source Demonstration

As allowed by §257.94(e)(2), the site may demonstrate that a source other than the CCR unit caused the SSI for a constituent or that the SSI resulted from error in sampling, analysis, statistical evaluation, or natural variation in groundwater quality. This report demonstrates an alternate source for SSIs of constituents included in Appendix III of 40 CFR. §257 identified following analysis of the first detection monitoring event data. SSIs were identified for three groundwater monitoring network wells (GWC-9, GWC-14, and GWC-32). Two of these locations (GWC-9 and GWC-14) were previously identified has having SSIs under state permitting requirements. The SSIs at these locations were addressed in an EPD-approved ASD completed in 2017. This ASD builds on information provided in the 2017 document to address the newly required Appendix III constituents. There are conditions unique to each individual well where one or more SSIs were identified at the site. Therefore, the following sections provide specific demonstrations, by well, to support that the site is not the source of the SSI. A recent potentiometric surface map is provided for reference as Figure 2, Plant Wansley CCB January 2018 Potentiometric Surface Map.

2.1 GWC-9

2.1.1 SSI Identification

One Appendix III analyte (boron) was identified in the *2017 Annual Groundwater Monitoring and Corrective Action Report* as a SSI at this location. The concentration of 0.12 milligrams per liter (mg/L) reported in the sample collected during the October 2017 detection monitoring event exceeded the site prediction limit of 0.05 mg/L. A verification resample was collected on December 1, 2017 and the exceedance was confirmed at a concentration 0.10 mg/L.

2.1.2 Data Review

Background monitoring was initiated in 2016 and continued through 2017. As shown in Figure 3, Boron Time Series Plot for GWC-9, the concentration of boron was reported at trace levels during the initial rounds of background monitoring (estimated "J" values of 0.0635J and 0.0981J mg/L March and May 2016, respectively). An increase in concentration to 0.26 mg/L was reported in July 2016 and continued until reaching a maximum level of 0.44 mg/L in November 2016. The concentration declined to 0.11 mg/L in January 2017 and remained in a range of 0.071 to 0.12 mg/L for the duration of 2017. The well was most recently sampled in January 2018 as part of the first 2018 semi-annual monitoring event required by the current solid waste permit. The January 2018 concentration of 0.044J mg/L was less than the site prediction limit of 0.050 mg/L.

Other Appendix III parameter trends were reviewed in order to gain insight into the source of the boron increase and subsequent decline. Based on a review of these data, chloride, total

dissolved solids (TDS) and to a lesser extent calcium exhibit trends similar to boron. All of these analytes showed increases in late 2016 reaching maximum levels during the November 2016 event then subsequently declining to near the original early 2016 levels. Time series plots for these analytes are provided in Figure 4 (Chloride Time Series Plot for GWC-9), Figure 5 (TDS Time Series Plot for GWC-9) and Figure 6 (Calcium Time Series Plot for GWC-9).

Water level and precipitation data were also reviewed. The increasing analyte trends correspond to a period of relative drought. According the National Oceanic and Atmospheric Administration (NOAA) the average annual precipitation for Carrolton, Georgia is 51.4 inches. The University Georgia College of Agricultural & Environmental Sciences maintains a statewide weather monitoring network including a Plant Wansley station. Data from the Plant Wansley station indicate that 2016 was a significantly drier than average year with total precipitation of 39.6 inches. Conversely, both 2015 and 2017 were wetter than average with respective totals of 60.2 and 69.7 inches. The period between September 19 and November 28, 2016 was notably dry in that no precipitation event greater than 0.1 inches occurred. As shown in Figure 7, Groundwater Elevation and Boron Time Series Plot for GWC-9, the dry weather during late 2016 coincides with lower water groundwater elevations and higher boron concentrations at GWC-9.

2.1.3 Alternate Source Review

Based on a review of the facility's Design and Operation Plans and recent aerial photographs, direct leakage from the cell area is highly improbable. Very limited gypsum slurry has been directed into Cell 2 and the small amount that has been is located on the opposite side of the cell approximately 1200 feet from GWC-9. The landfill is a fully lined unit including a 60-mil thick high-density polyethylene (HPDE) liner underlain by a geosynthetic clay liner (GCL), a 6-inch layer of compacted clay (maximum permeability of 1 x 10^{-5} cm/sec), and structural fill. Two sedimentation basins and a return water pond capture all leachate, sluice water and storm water run-off generated in the lined cell areas.

Storm water runoff from the perimeter gravel road has occurred near GWC-9 (uphill from the pump booster station), as evidenced by erosion rills in the vicinity. The gravel road is not anticipated to be a significant source of impact; however, the road is serviced by water trucks used for dust suppression. During drought conditions present in 2016, the facility opted to minimize water usage from typical sources by utilizing water from the NPDES discharge pond (retention pond). Water from this pond has been treated prior to release. However, it may exhibit slightly different chemical characteristics than the dust suppression water used during non-drought conditions (i.e. potentially accounting for the boron and chloride increases and subsequent decline after the drought ended). An operational issue related to dust suppression is a potential source.

2.1.4 Natural Variation in Groundwater Quality

As discussed in Section 2.1.2, an increasing trend in the concentrations of boron, chloride and TDS occurred during a period of relative drought in 2016. Concentrations diminished

during a return of wetter weather during 2017 Lower groundwater elevations have the potential to result in fluctuations in the concentrations of naturally occurring analytes (i.e. groundwater is less diluted by rainwater during periods of relative drought). As shown in Figure 7 there appears to be an inverse relationship between the groundwater elevation and boron concentration. Therefore, a natural variation in groundwater quality is also a potential source.

2.1.5 Summary and Recommendations

The CCR unit is not the apparent source of the boron SSI. The lined landfill was constructed to prevent direct impact to groundwater and there is no waste in close proximity to the well. Dry weather conditions that occurred in 2016 indicate the possibility that a natural variation in groundwater quality occurred. Additionally, recent data indicate that conditions have returned to background levels and concentrations are no longer at SSI levels. The monitoring well should remain in detection monitoring as the assessment trigger is no longer present and an alternate source was identified.

2.2 GWC-14

2.2.1 SSI Identification

Two Appendix III analytes (boron and chloride) were identified in the *2017 Annual Groundwater Monitoring and Corrective Action Report* as SSIs at this location. The respective concentrations of 0.95 and 160 mg/L for boron and chloride reported in the sample collected during the October 2017 detection monitoring event exceeded the site prediction limits of 0.05 mg/L (boron) and 23 mg/L (chloride). A verification resample was collected on December 1, 2017 and the exceedances were verified at concentrations of 1.2 and 150 mg/L for boron and chloride, respectively.

2.2.2 Data Review

The concentration ranges for boron and chloride have shown variability during monitoring. As shown in Figure 8, Boron Time Series Plot for GWC-14 and Figure 9, Chloride Time Series Plot for GWC-14, the range of boron concentrations is 0.29 to 1.2 mg/L and chloride 46 to 180 mg/L. However, even at the low end of the ranges the concentrations are above site background conditions.

2.2.3 Alternate Source Review

Groundwater monitoring well GWC-14 is located directly downhill and downgradient from the return water pond, return water pumps, and electrical control building. Effluent is transferred from the return water pond to the return water lines that connect to the plant where it is recycled for operations.

There have been historical operational issues in this area. An unpermitted discharge due to the failure of an HDPE expansion joint on the return water pipe occurred on August 30, 2014. The Georgia Environmental Protection Division was immediately verbally notified and

subsequently provided written notification. The facility made immediate repairs and also began to evaluate long-term corrective actions. The pond was temporarily taken out-of-service to allow repairs to be made beginning in early 2015. The concrete headwall, HDPE liner and soil berm were removed to expose the buried return water piping leading from the return water pond to the pumps. Repairs to the piping, liner and headwall were completed in early 2017. The pond is now fully repaired and functional.

2.2.4 Summary and Recommendations

The CCR unit is not the direct source of the boron and chloride SSIs. The apparent source is a return water piping failure that was identified and addressed. The facility completed repairs to the return water pond and piping in 2017 that will prevent future releases from occurring and thus allowing boron and chloride concentrations to eventually return to background levels. The monitoring well should remain in detection monitoring as an alternate source was identified.

2.3 GWC-32

2.3.1 SSI Identification

One Appendix III analyte (fluoride) was identified in the *2017 Annual Groundwater Monitoring and Corrective Action Report* as a SSI at this location. The concentration of 3.4 mg/L reported in the sample collected during the October 2017 detection monitoring event exceeded the site prediction limit of 3.2 mg/L. A verification resample was collected on December 1, 2017 and the exceedance was verified at a concentration of 3.4 mg/L.

2.3.2 Data Review

Concentrations of fluoride ranged from 2.1 to 3.9 mg/L in samples collected from GWC-32 during background monitoring. The concentrations reported during the compliance event and verification resample were within this range. Several nearby monitoring wells also produced consistent detections of fluoride (e.g. GWA-28, GWA-29, GWC-27, GWC-31 and GWC-33). Two of these locations, GWA-28 and GWA-29 are upgradient from Cell 3 and are used to characterize background conditions. Concentrations at these locations ranged from 1.4 to 3.2 mg/L during background monitoring. The site prediction limit of 3.2 mg/L was based on these data (i.e. maximum concentration reported in background).

Reported fluoride concentrations in multiple upgradient and downgradient wells at Cell 3, which has not yet been used for CCR disposal, are likely derived from a natural source in the underlying bedrock. The boring logs from these locations provided in Appendix A, Boring Logs, indicate that GWA-28, GWA-29, GWC-27, GWC-31, GWC-32, and GWC-33 are at least partially screened in a common lithology, the Long Island Creek Gneiss. This lithology is localized to this portion of Plant Wansley. Rock units encountered in other portions of the site include: biotite gneiss (easily differentiated from the Long Island Creek Gneiss by greater abundance of mafic minerals), quartzite, schist units and amphibolite units. As shown in Figures 1 and 2, these well locations are adjacent to each other. It is noted that

one location in this area, GWC-30 did not produce fluoride detections. However, this location is differentiated from the others in that it is screened in overburden rather than bedrock. A time series plot depicting fluoride concentrations at these locations is provided as Figure 10, Fluoride Time Series Plot for Cell 3 Monitoring Wells.

2.3.3 Alternate Source Review

Groundwater monitoring well GWC-32 is adjacent to Cell 3. This cell is not contiguous with Cells 1 and 2 and has never received waste. Therefore, the CCR unit is not the apparent source.

2.3.4 Natural Variation in Groundwater Quality

Based on the commonality of the localized lithology, the Long Island Creek Gneiss was identified as a potential source of fluoride in groundwater samples from GWC-32 and other nearby locations. Identification of a natural bedrock source of fluoride is supported by the following evidences from (A) fluoride analysis in rock samples and (B) the major ionic concentrations in groundwater for evaluation of the chemical composition of groundwater.

A. ACC obtained core samples from the plant and/or SCS storage of three distinct site lithologies: Long Island Creek Gneiss, schist/amphibolite and quartzite. Core sample fragments were shipped to TestAmerica Pensacola for analysis of fluoride by EPA Method 9056. It should be noted that this laboratory method only accounts for water soluble fluoride and not concentrations present in the rock matrix. The actual whole rock concentration of fluoride is likely to be much higher. The sample results are summarized in Table 1 and the laboratory analytical report is included in Appendix B, Laboratory Analytical Results & Purge Data Sheets.

TABLE 1. Rock sample fluoride concentrations.

Sample Identification	Fluoride Concentration (mg/Kg)
PB-3 Long Island Gneiss 56-57’	11
PB-4 Long Island Gneiss 49-50’	9.3
PB-8 Schist/Amphibolite 123-124’	<1.3
PB-9 Schist/Amphibolite 65-66’	3.4J
APC-5D Quartzite 90-91’	<1.3

Notes:

1. mg/Kg = milligrams per kilogram
2. “J” = reported concentration is less than laboratory reporting limit and considered estimated.

The results confirm that there is a significantly higher concentration of fluoride in the Long Island Creek Gneiss relative to other site lithologies that were analyzed. Therefore, wells screened in this unit may be more likely to produce detections of fluoride. Concentrations of fluoride are likely to be somewhat variable within the Long Island Creek Gneiss and wells screened in this formation may show different levels of fluoride in

groundwater. It is likely that GWC-32 is screened in a zone of slightly greater fluoride concentrations than the upgradient locations.

B. On March 15 -16, 2018 ACC personnel sampled GWA-28, GWA-29, GWC-27, GWC-31, and GWC-32 for a suite of cations (calcium, magnesium, sodium, and potassium) and anions (carbonate, bicarbonate, sulfate, and chloride). The samples were collected using standard site sampling techniques and submitted to TAL-Pensacola for analysis. The analytical data are presented as Piper Plot and Stiff Diagrams. As shown in Figure 11, Piper Plot for Cell 3 Monitoring Wells and Figure 12, Stiff Diagrams for Cell 3 Monitoring Wells, there are no significant differences in the major ionic concentrations of the samples (i.e. all are low level and indicative of background conditions). This indicates that the chemical composition of groundwater between upgradient and downgradient locations are relatively similar in the vicinity of Cell 3. Therefore, all of these locations appear to represent background conditions as would be anticipated with a cell that has not received waste. The laboratory report and field purge logs are provided in Appendix A.

2.3.5 Summary and Recommendations

The CCR unit is not the source of the fluoride SSI. The apparent source is natural variability in groundwater. Testing of the rock unit present beneath a portion of Cell 3, the Long Island Creek Gniess confirm that fluoride concentrations in this unit are higher than at least two other rock units present in other areas of the site. A Piper Plot and Stiff Diagrams confirm that there are no significant differences in cation/anion ratios between any of the Cell 3 wells tested. Cell 3 has yet to receive waste, therefore the geochemical similarity between all locations is consistent with what would be anticipated. Groundwater monitoring location GWC-32 should remain in detection monitoring based on the identification of the alternate source.

SECTION 3
Conclusions and Recommendations

The *2017 Annual Groundwater Monitoring and Corrective Action Report* was prepared to satisfy the requirements of §257.90(e). In that report SSIs were identified for three groundwater monitoring locations: GWC-9 (boron), GWC-14 (boron and chloride) and GWC-32 (fluoride). This ASD has identified the following sources for each location with a SSI:

- GWC-9
    - A source other than the CCR unit caused the SSI (no waste placement near the well; operational issue)
    - Natural variation in groundwater quality (drought condition)
- GWC-14
    - A source other than the CCR unit caused the SSI (operational issue and repair)
- GWC-32
    - A source other than the CCR unit caused the SSI (no waste placement near the well)
    - Natural variation in groundwater quality (natural occurrence in rock formation)

All locations have met the requirements for a demonstration listed in §257.94(e)(2). Therefore, all locations should remain in detection monitoring at this time. Detection monitoring results should continue to be presented in the Annual Groundwater Monitoring and Corrective Action Reports, as well as state semi-annual groundwater monitoring reports.

SECTION 4
References

ACC, Inc. *First 2018 Semiannual Groundwater Monitoring Report*, Plant Wansley CCB Disposal Facility, 2018.

ERM, Inc. *2017 Annual Groundwater Monitoring and Corrective Action Report,* Plant Wansley CCB Disposal Facility, 2018.

ERM, Inc. *Well Design, Installation, Development, and Decommissioning Report,* Plant Wansley CCB Disposal Facility, 2017.

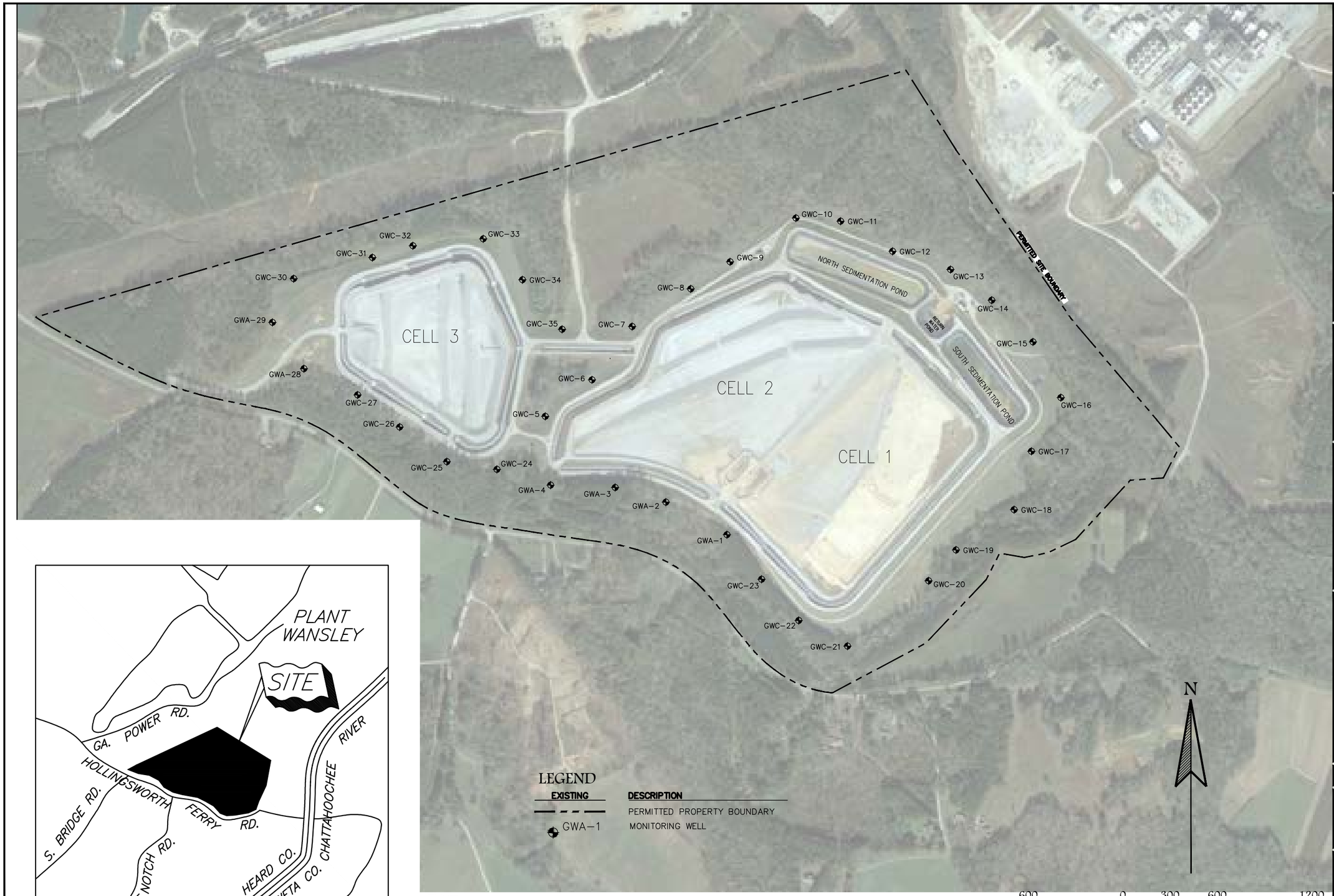
NOAA, http://w2.weather.gov, Peachtree City, Georgia National Weather Service Forecast Office.

Southern Company Generation Engineering and Construction Services, Design and Operation Plans, Plant Wansley Coal Combustion By-Product Disposal Facility, 2012.

Southern Company Services (SCS), *Alternate Source Demonstration for Plant Wansley Disposal Facility Groundwater Monitoring Network*, 2017.

University of Georgia Weather Network, http://www.georgiaweather.net, Plant Wansley station, Roopville, Georgia.

FIGURES



LOCATION MAP

ATLANTIC COAST CONSULTING, INC.
630 Colonial Park Dr.
Suite 110
Roswell, GA 30075
o 770.594.5998
www.atlcc.net

PROJECT:

PLANT WANSLEY CCB DISPOSAL FACILITY

1371 LIBERTY CHURCH ROAD
CARROLLTON, GEORGIA

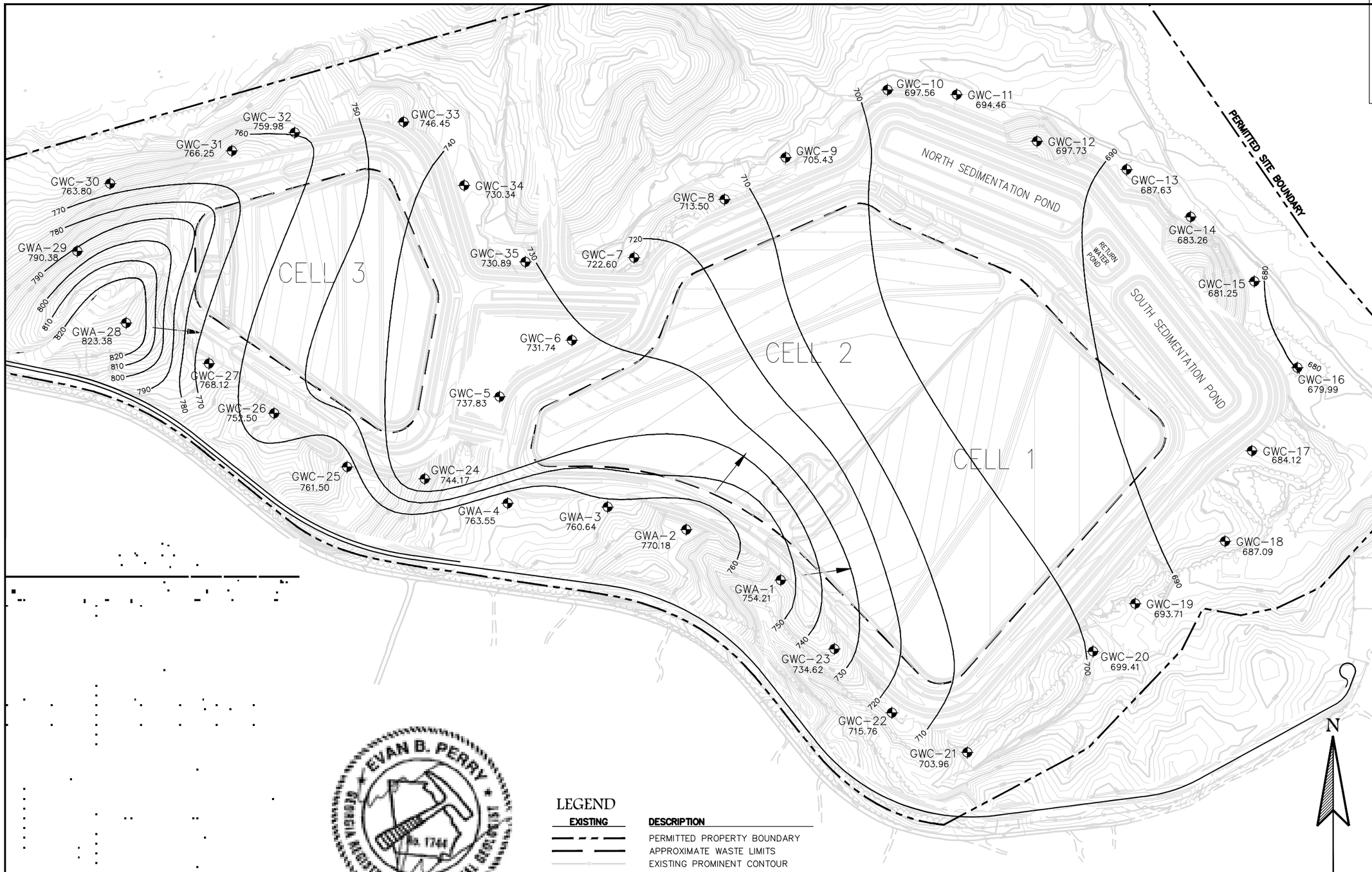
REVISIONS

Drawn by:	Checked by:
MM	EP

PROJECT NUMBER:
I054-110
March 2018

PLANT WANSLEY CCB LOCATION MAP

FIGURE 1



EVAN B. PERRY
GEORGIA MONITORING PROFESSIONAL
No. 1744

LEGEND

EXISTING	DESCRIPTION
	PERMITTED PROPERTY BOUNDARY
	APPROXIMATE WASTE LIMITS
	EXISTING PROMINENT CONTOUR
	EXISTING INTERMEDIATE CONTOUR
	PROPOSED PROMINENT CONTOUR
	PROPOSED INTERMEDIATE CONTOUR
	ACCESS ROAD
	GRAVEL ROAD
GWA-1 754.21	MONITORING WELL GROUNDWATER ELEVATION
720 720	GROUNDWATER ELEVATION CONTOUR
	GROUNDWATER FLOW DIRECTION

N

400 0 200 400 800

SCALE: 1" = 400' (IN FEET)

ATLANTIC COAST CONSULTING, INC.
630 Colonial Park Dr.
Suite 110
Roswell, GA 30075
o 770.594.5998
www.atlcc.net

PROJECT:

PLANT WANSLEY
CCB DISPOSAL
FACILITY

1371 LIBERTY CHURCH ROAD
CARROLLTON, GEORGIA

REVISIONS

Drawn by: MM
Checked by: EP

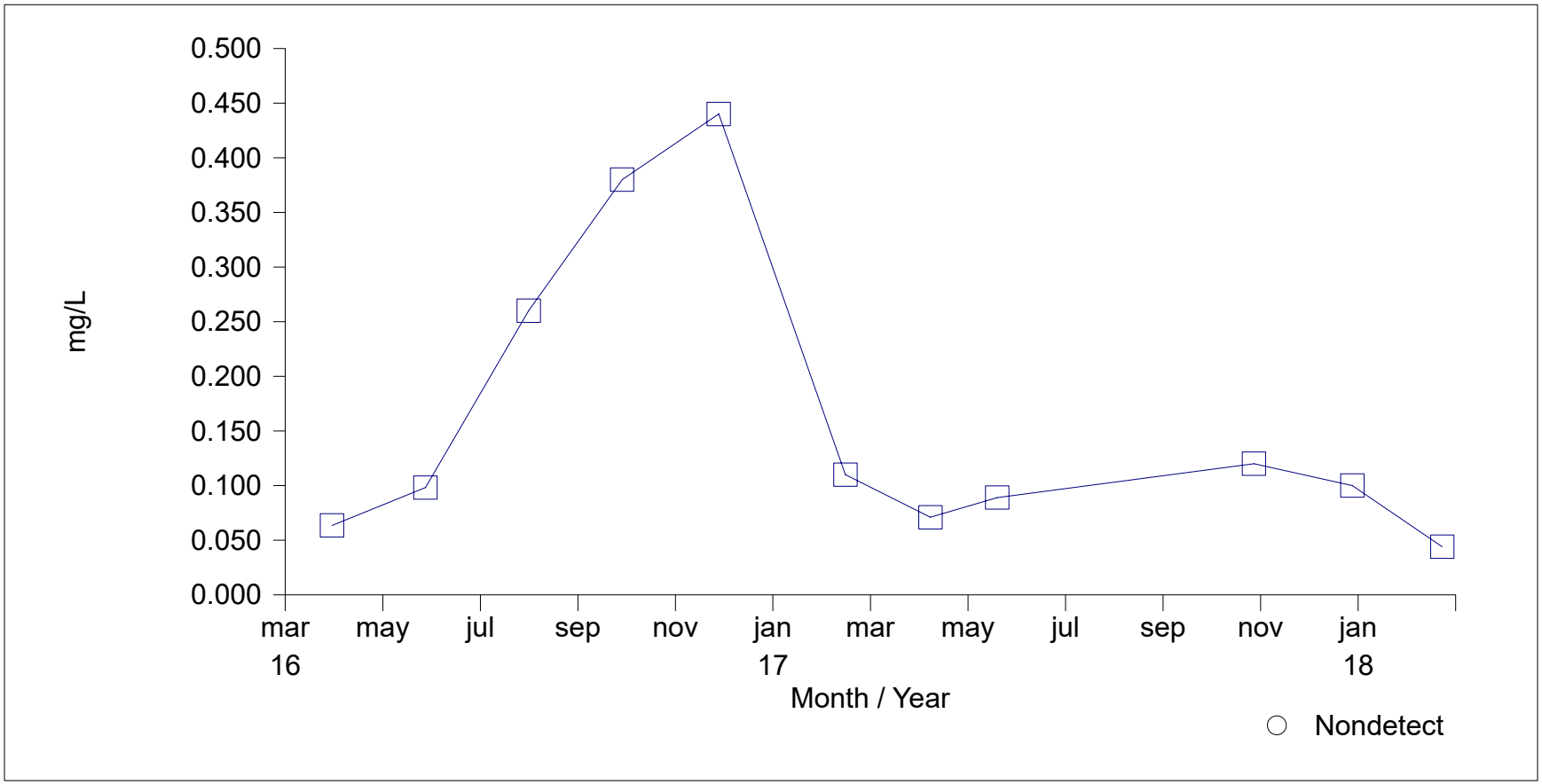
PROJECT NUMBER:
I054-110
March 2018

JANUARY 2018 POTENTIOMETRIC SURFACE MAP

FIGURE 2

FIGURE 3

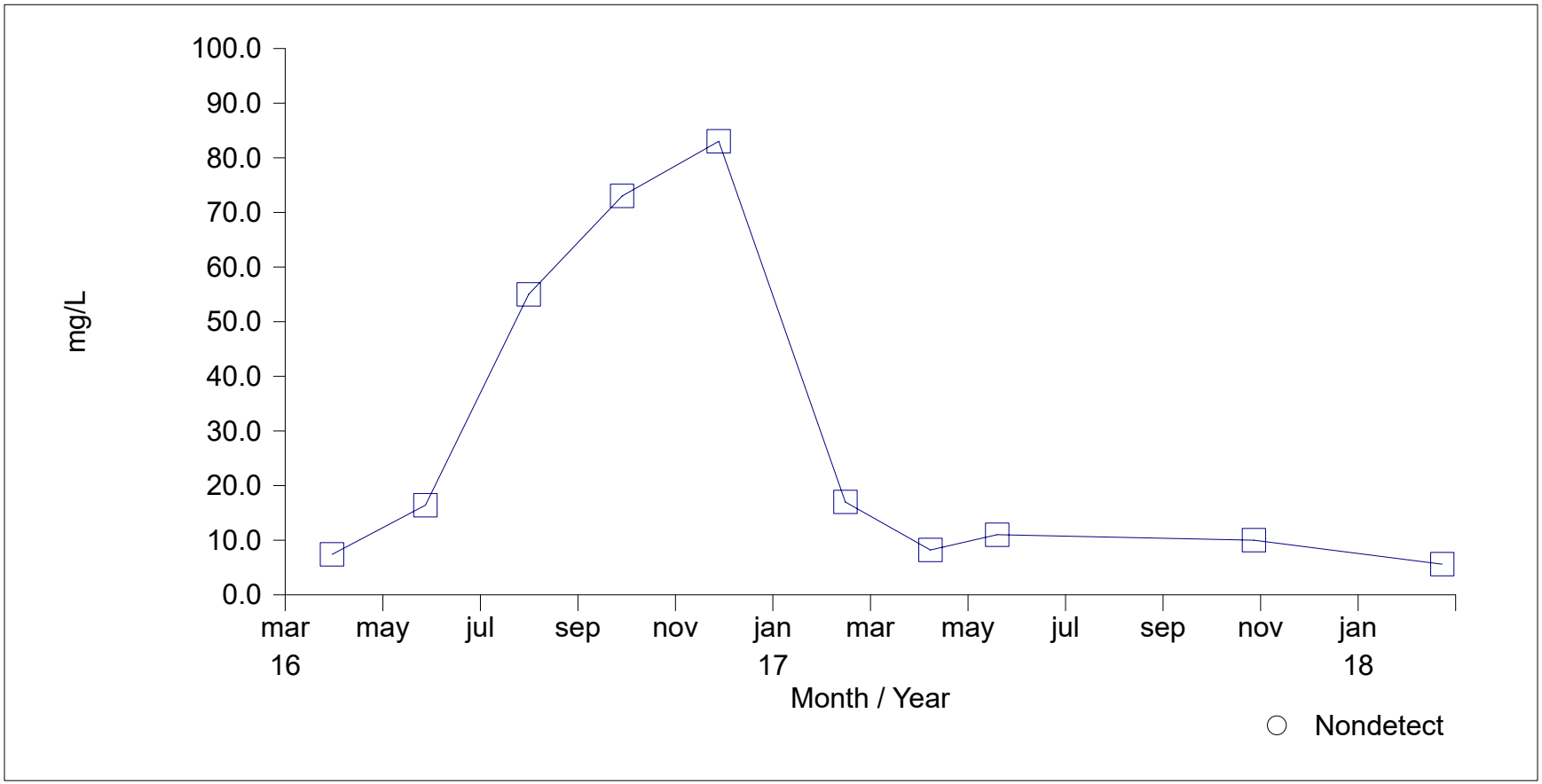
Boron Time Series Plot for GWC-9



Prepared by: Atlantic Coast Consulting, Inc.

FIGURE 4

Chloride Time Series Plot for GWC-9

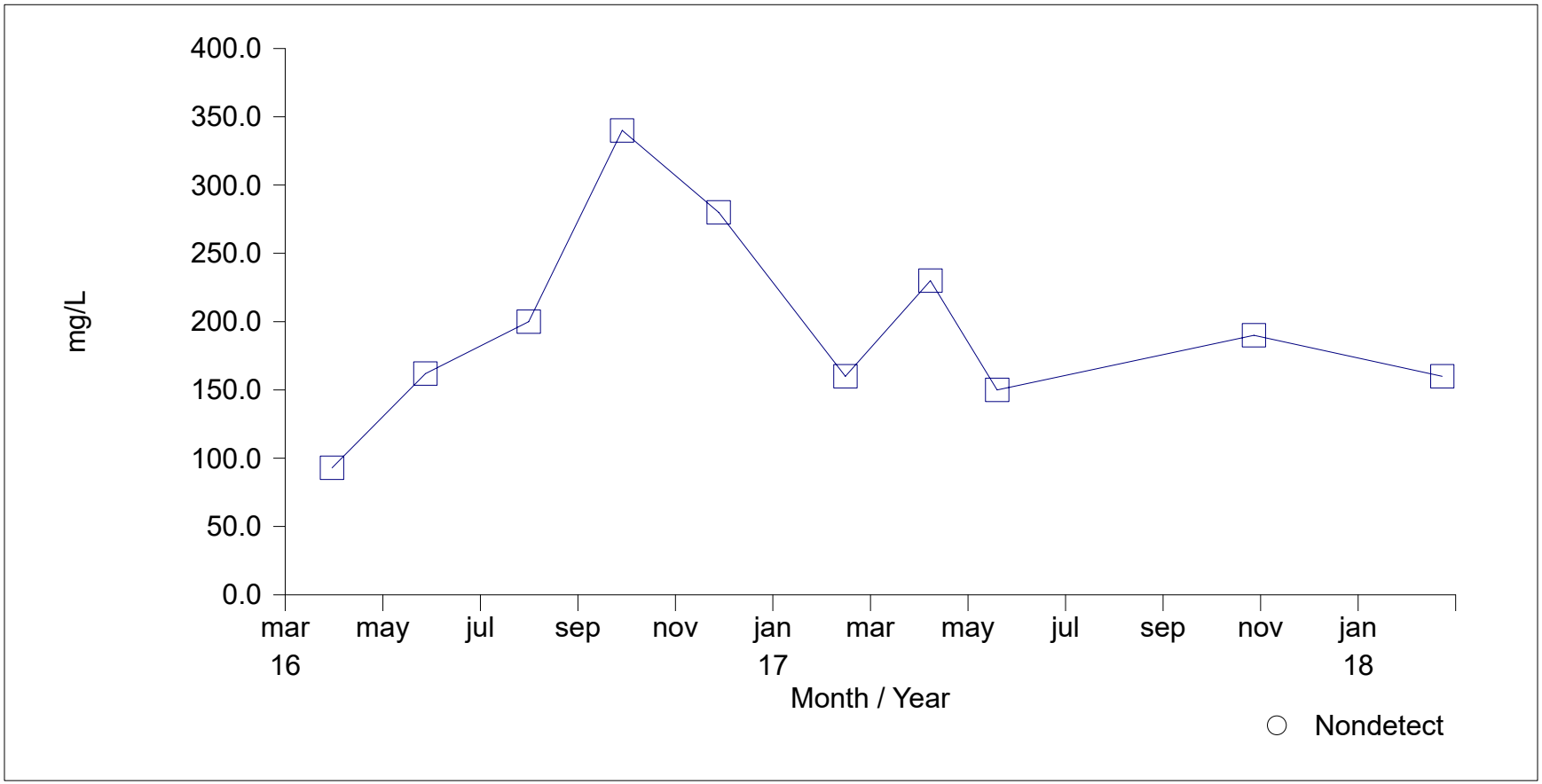


1

Prepared by: Atlantic Coast Consulting, Inc.

FIGURE 5

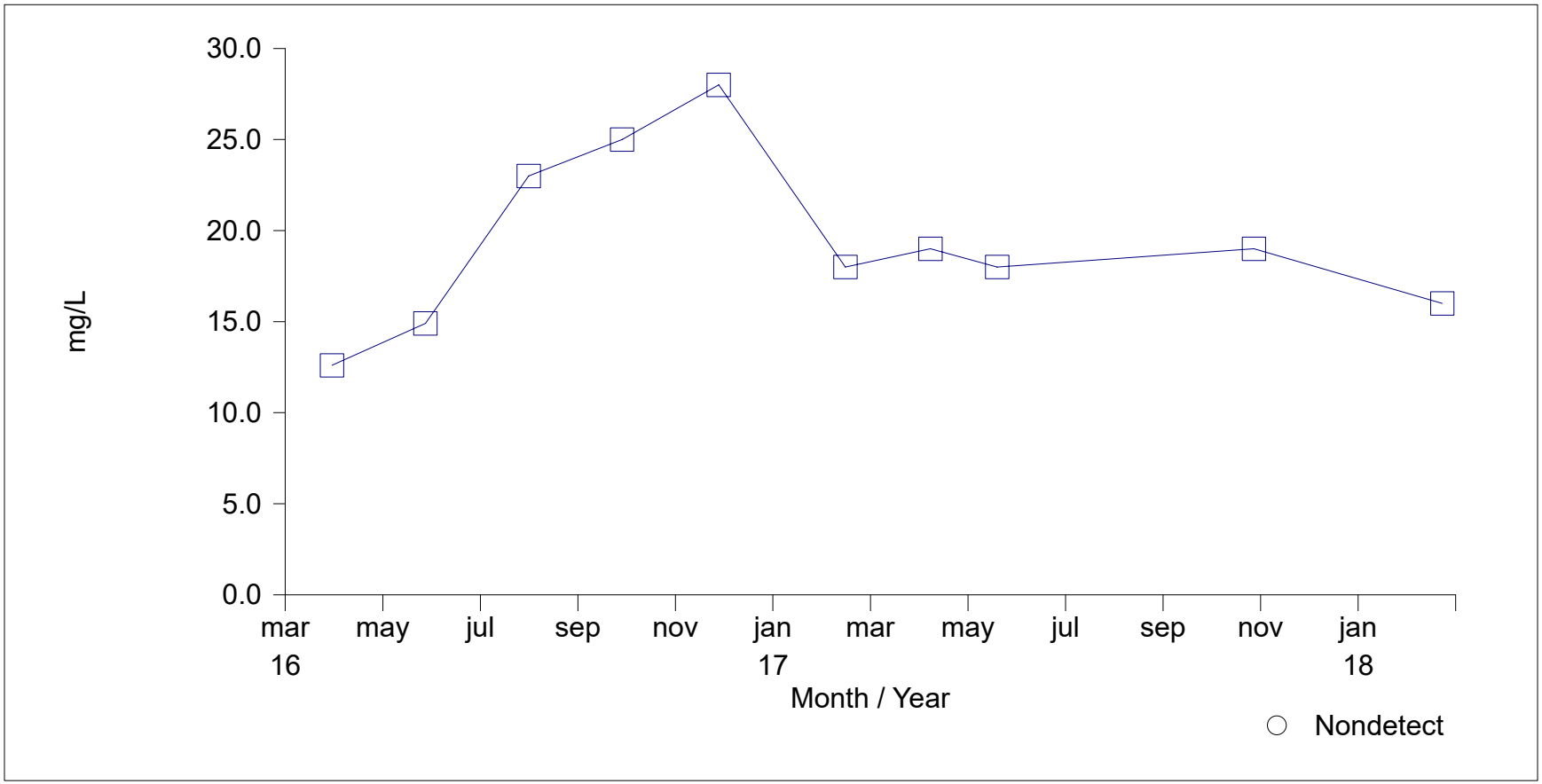
TDS Time Series Plot for GWC-9



Prepared by: Atlantic Coast Consulting, Inc.

FIGURE 6

Calcium Time Series Plot for GWC-9



Prepared by: Atlantic Coast Consulting, Inc.

FIGURE 7 - GWC-9 Groundwater Elevation and Boron Time Series

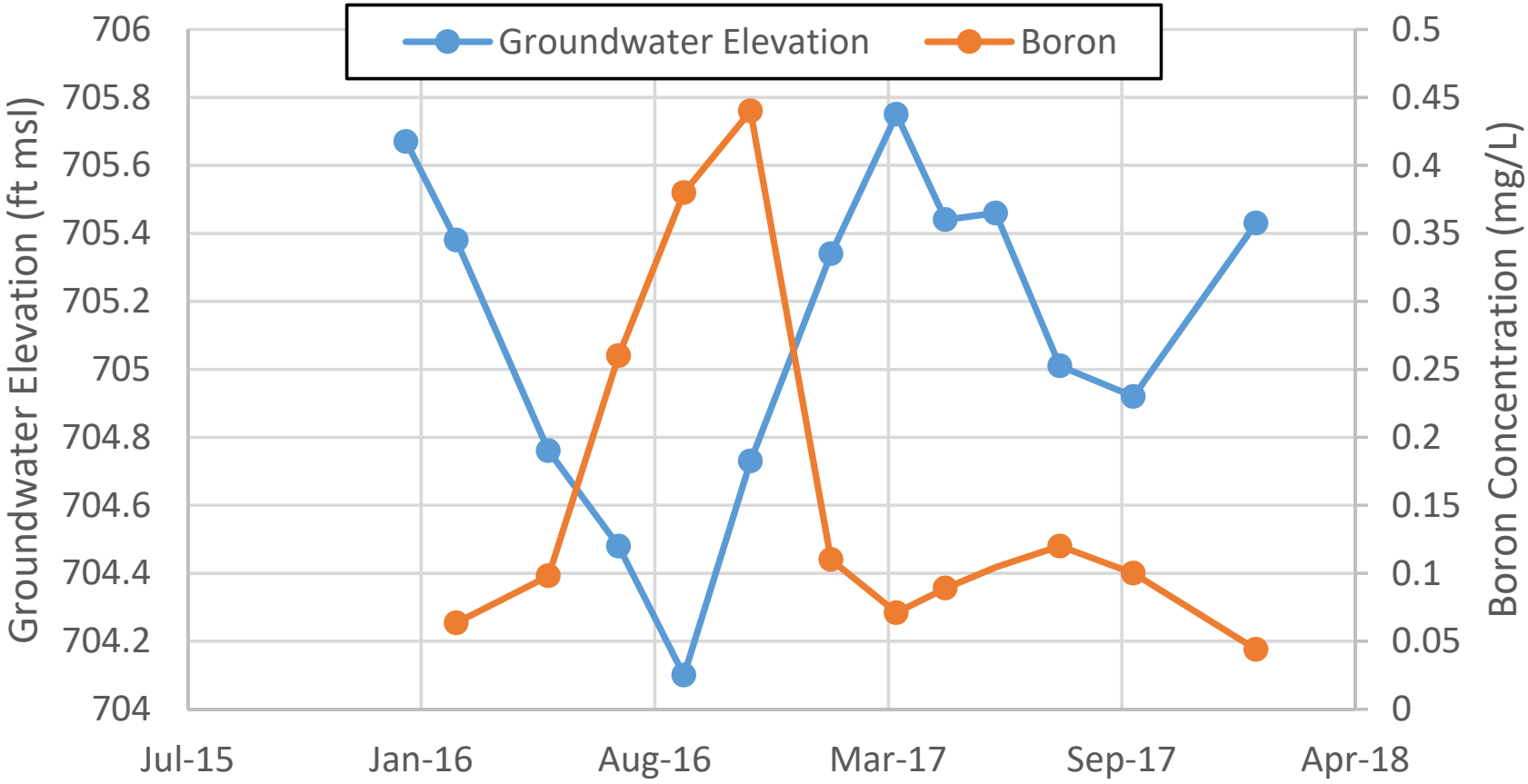
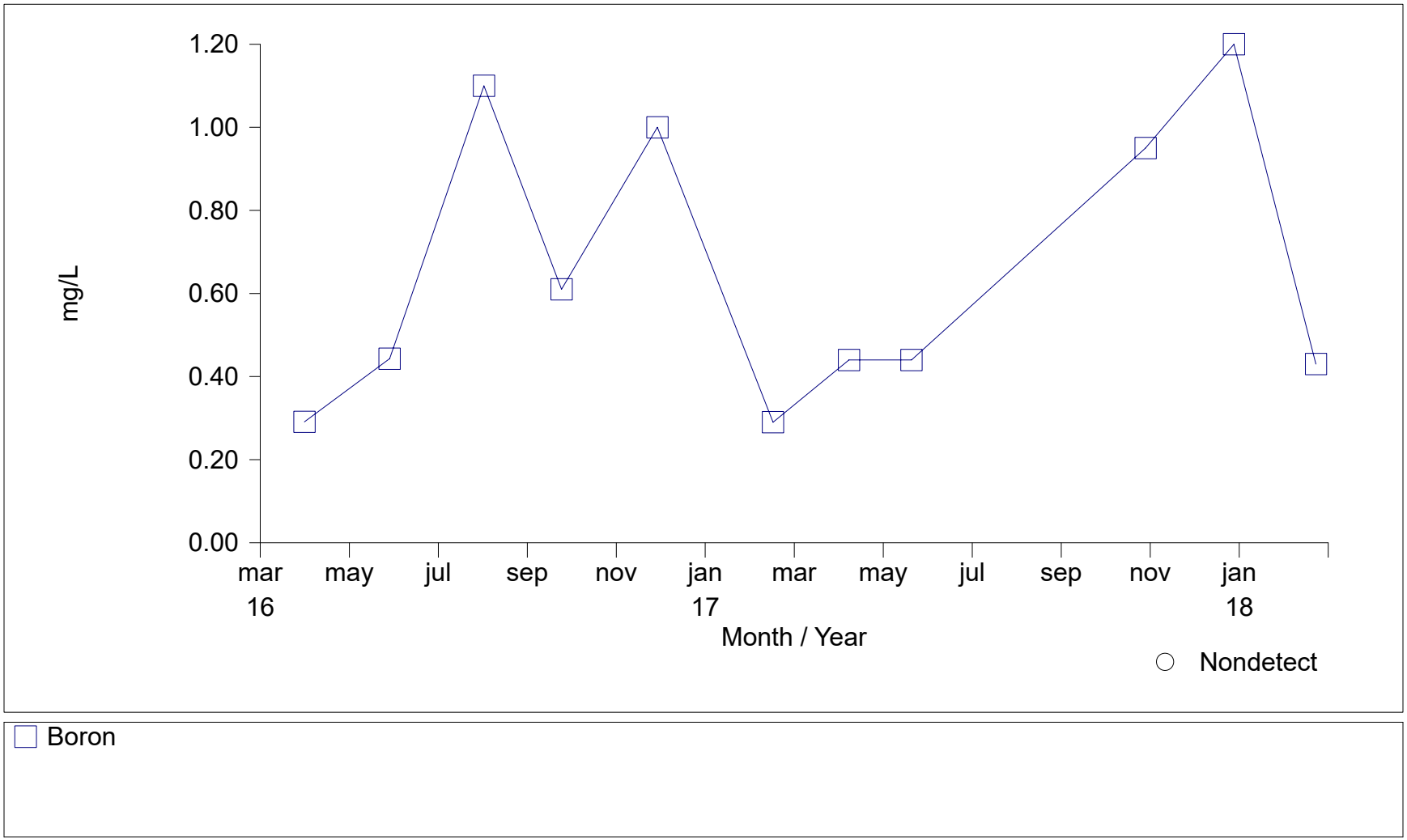


FIGURE 8

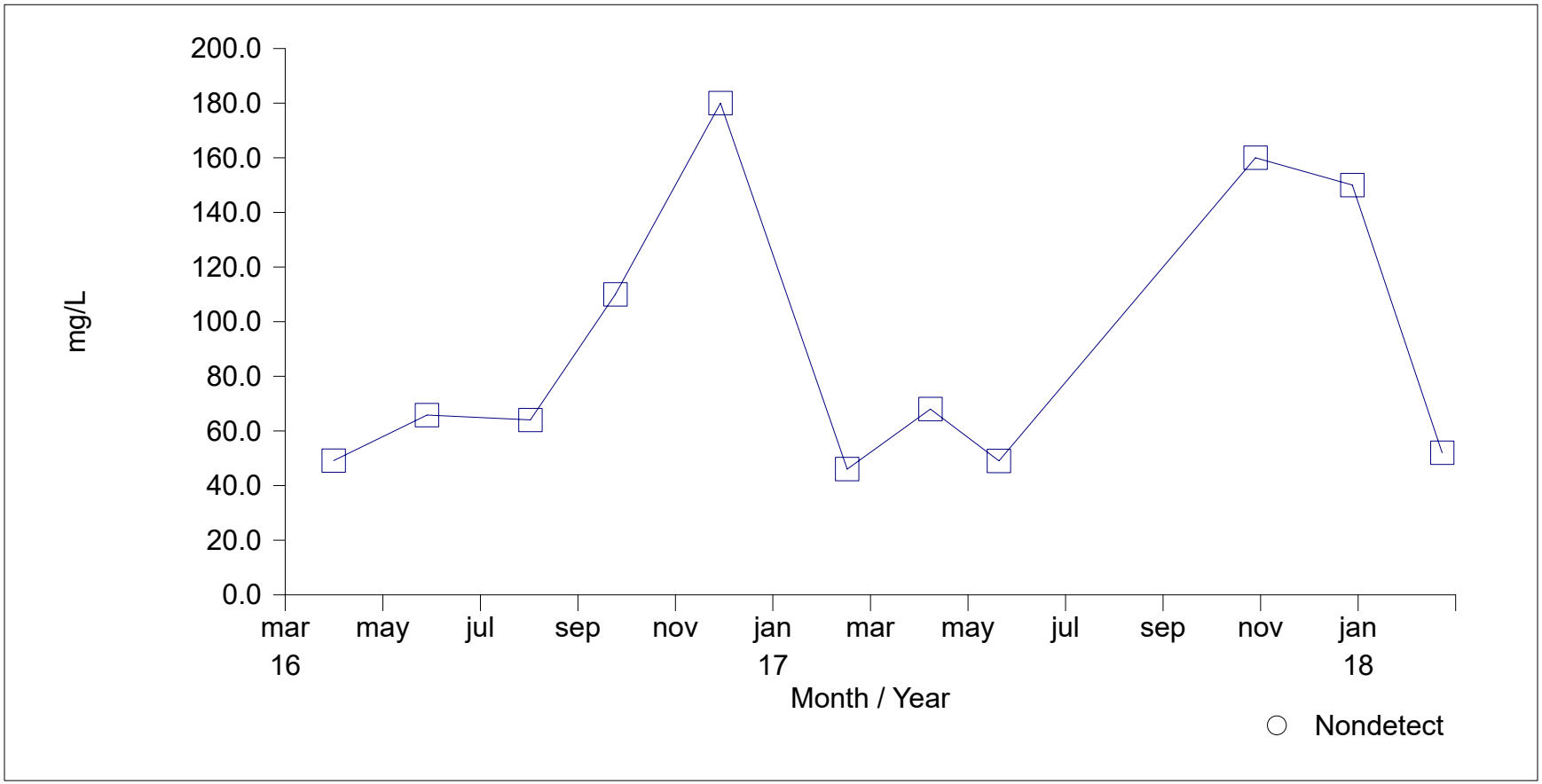
Boron Time Series Plot for GWC-14



Prepared by: Atlantic Coast Consulting, Inc.

FIGURE 9

Chloride Time Series Plot for GWC-14

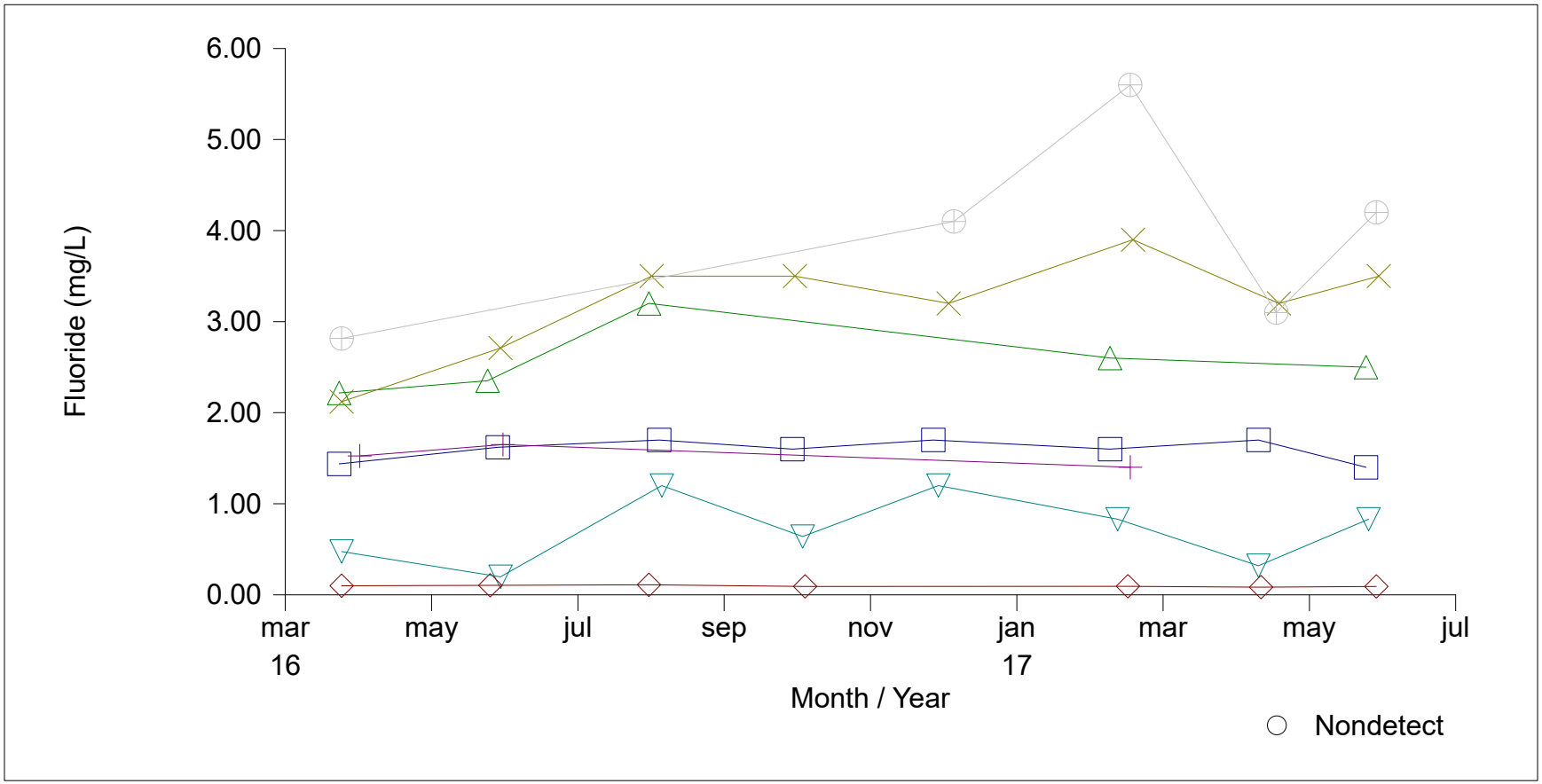


1

Prepared by: Atlantic Coast Consulting, Inc.

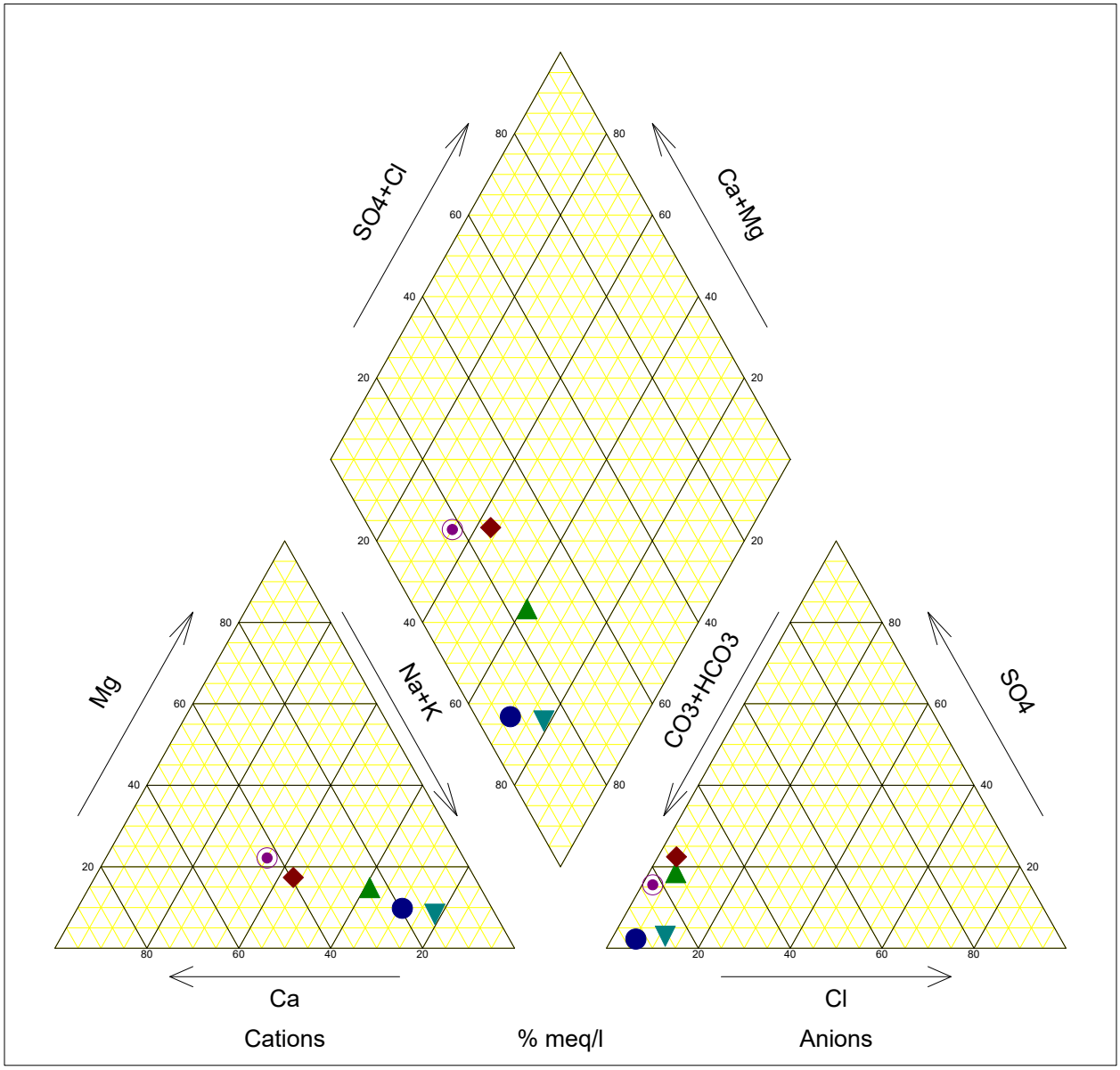
FIGURE 10

Fluoride Time Series Plot for Cell 3 Monitoring Wells



Prepared by: Atlantic Coast Consulting, Inc.

FIGURE 11
Piper Plot for Cell 3 Monitoring Wells

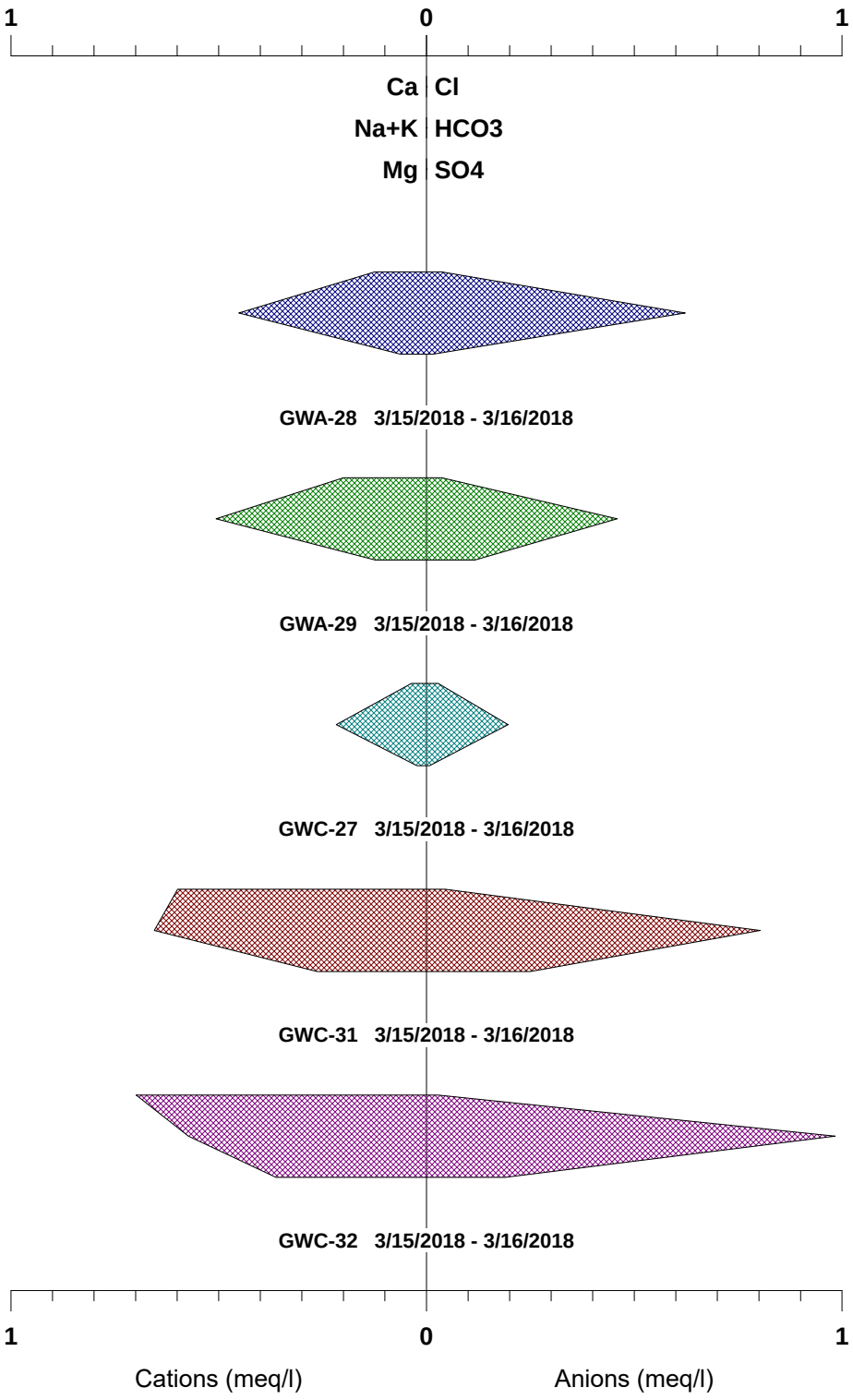


●	GWA-28	3/15/2018 - 3/16/2018
▲	GWA-29	3/15/2018 - 3/16/2018
▼	GWC-27	3/15/2018 - 3/16/2018
◆	GWC-31	3/15/2018 - 3/16/2018
◉	GWC-32	3/15/2018 - 3/16/2018

Prepared by: Atlantic Coast Consulting, Inc.

FIGURE 12

Stiff Diagrams for Cell 3 Monitoring Wells



Prepared by: Atlantic Coast Consulting, Inc.

ATTACHMENT A – Boring Logs

BORING GWC-27
PAGE 1 OF 2

SOUTHERN COMPANY

LOG OF TEST BORING

SOUTHERN COMPANY SERVICES, INC
EARTH SCIENCE AND ENVIRONMENTAL ENGINEERING

PROJECT

LOCATION

DATE STARTED | COMPLETED | SURF. ELEV. | COORDINATES

CONTRACTOR | EQUIPMENT | METHOD

DRILLED BY | LOGGED BY | CHECKED BY | ANGLE | BEARING

BORING DEPTH | GROUND WATER DEPTH: DURING | COMP. | DELAYED

NOTES

Silty Sand (SM)

(PWR)

Silty Sand (SM)

Clayey Sand (SC)

Silty Sand (SM)

(PWR)

Silty Sand (SM)

(PWR)

(PWR)

(PWR)

LOG OF TEST BORING

BORING GWC-27

SOUTHERN COMPANY

SOUTHERN COMPANY SERVICES, INC
EARTH SCIENCE AND ENVIRONMENTAL ENGINEERING

PROJECT: [illegible]

LOCATION: [illegible]

		MATERIAL DESCRIPTION		[illegible]
		[illegible]		
		[illegible]		
		[illegible]		
		[illegible]		
		[illegible]		
		[illegible]		
		[illegible]		

BORING GWA-28

SOUTHERN COMPANY

LOG OF TEST BORING

SOUTHERN COMPANY SERVICES, INC.
EARTH SCIENCE AND ENVIRONMENTAL ENGINEERING

PROJECT: [illegible]
LOCATION: [illegible]

DATE STARTED: [illegible] COMPLETED: [illegible] SURF. ELEV: [illegible] COORDINATES: [illegible]
CONTRACTOR: [illegible] EQUIPMENT: [illegible] METHOD: [illegible]
DRILLED BY: [illegible] LOGGED BY: [illegible] CHECKED BY: ANGLE: BEARING:
BORING DEPTH: [illegible] GROUNDWATER DEPTH: DURING: COMP: DELAYED: [illegible]
NOTES: [illegible]

Silty Sand (SM)

[illegible]

Saprolite

[illegible]

Silty Sand (SM)

[illegible]

Poorly graded Sand (SP)

[illegible]

Silty Sand (SM)

[illegible]

Partially Weathered Rock

[illegible]

Gneiss

[illegible]

SOUTHERN COMPANY

LOG OF TEST BORING

BORING GWA-29
PAGE 1 OF 1

SOUTHERN COMPANY SERVICES, INC
EARTH SCIENCE AND ENVIRONMENTAL ENGINEERING

PROJECT: [illegible]
LOCATION: [illegible]

DATE STARTED: [illegible] COMPLETED: [illegible] SURF. ELEV: [illegible] COORDINATES:
CONTRACTOR: [illegible] EQUIPMENT: [illegible] METHOD: [illegible]
DRILLED BY: LOGGED BY: [illegible] CHECKED BY: ANGLE: BEARING:
BORING DEPTH: [illegible] GROUND WATER DEPTH: DURING: COMP.: DELAYED: [illegible]
NOTES: [illegible]

Depth		MATERIAL DESCRIPTION					REMARKS
		Sandy Silt (ML) [illegible]					
		Silty Sand (SM) [illegible]					
		Poorly-graded Sand (SP) [illegible]					[illegible]
		Gneiss [illegible]	[illegible]	[illegible]	[illegible]	[illegible]	[illegible]

BORING GWC-31

SOUTHERN COMPANY

LOG OF TEST BORING

SOUTHERN COMPANY SERVICES, INC.
EARTH SCIENCE AND ENVIRONMENTAL ENGINEERING

PROJECT

LOCATION

DATE STARTED COMPLETED SURF. ELEV. COORDINATES

CONTRACTOR EQUIPMENT METHOD

DRILLER LOGGED BY CHECKED BY ANGLE BEARING

BORING DEPTH GROUNDWATER DEPTH DURING COMP. DELAYED

NOTES

Silty Sand (SM)

Sandy Silt (ML)

General

SOUTHERN COMPANY

LOG OF TEST BORING

SOUTHERN COMPANY SERVICES, INC.
EARTH SCIENCE AND ENVIRONMENTAL ENGINEERING

PROJECT: [illegible]
LOCATION: [illegible]

DATE STARTED: [illegible] COMPLETED: [illegible] SURF. ELEV: [illegible] COORDINATES:
CONTRACTOR: [illegible] EQUIPMENT: METHOD: [illegible]
DRILLED BY: LOGGED BY: [illegible] CHECKED BY: ANGLE: BEARING:
BORING DEPTH: [illegible] GROUND WATER DEPTH (BGS): COMP: DELAYED:
NOTES: [illegible]

DEPTH	GRAPHIC	MATERIAL DESCRIPTION		REMARKS
		Clayey Sand (SC) [illegible]		
		Clayey Sand (SC) [illegible]		
		Clayey Sand (SC) [illegible]		
		Clayey Sand (SC) [illegible]		
		Silty Sand (SM) [illegible]		
		SCHIST [illegible]		
		GNEISS [illegible]		

[illegible]

ATTACHMENT B – Laboratory Analytical Reports & Purge Data Sheets

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

TestAmerica Job ID: 400-150978-1
TestAmerica Sample Delivery Group: ASD
Client Project/Site: Plant Wansley

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

Attn: Joju Abraham

Authorized for release by:
3/23/2018 2:59:33 PM

Cheyenne Whitmire, Project Manager II
(850)471-6222
cheyenne.whitmire@testamericainc.com

Table of Contents

Cover Page 1
Table of Contents 2
Detection Summary 3
Method Summary 4
Sample Summary 5
Client Sample Results 6
Definitions 7
Chronicle 8
QC Association 9
QC Sample Results 10
Chain of Custody 11
Receipt Checklists 12
Certification Summary 13

Detection Summary

Client: Southern Company
Project/Site: Plant Wansley

TestAmerica Job ID: 400-150978-1
SDG: ASD

Client Sample ID: PB-3 LONG ISLAND GNEISS 56-57' — Lab Sample ID: 400-150978-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoride	11		4.1	1.3	mg/Kg	1		9056	Soluble

Client Sample ID: PB-4 LONG ISLAND GNEISS 49-50' — Lab Sample ID: 400-150978-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoride	9.3		3.9	1.3	mg/Kg	1		9056	Soluble

Client Sample ID: PB-8 SCHIST/AMPHIBOLITE 123-124' — Lab Sample ID: 400-150978-3

No Detections.

Client Sample ID: PB-9 SCHIST/AMPHIBOLITE 65-66' — Lab Sample ID: 400-150978-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Fluoride	3.4	J	3.9	1.3	mg/Kg	1		9056	Soluble

Client Sample ID: APC-5D QUARTZITE 90-91' — Lab Sample ID: 400-150978-5

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Southern Company
Project/Site: Plant Wansley

TestAmerica Job ID: 400-150978-1
SDG: ASD

Method	Method Description	Protocol	Laboratory
9056	Anions, Ion Chromatography	SW846	TAL PEN

Protocol References:

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

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

Client: Southern Company
Project/Site: Plant Wansley

TestAmerica Job ID: 400-150978-1
SDG: ASD

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-150978-1	PB-3 LONG ISLAND GNEISS 56-57'	Solid	03/16/18 09:55	03/17/18 08:24
400-150978-2	PB-4 LONG ISLAND GNEISS 49-50'	Solid	03/16/18 10:00	03/17/18 08:24
400-150978-3	PB-8 SCHIST/AMPHIBOLITE 123-124'	Solid	03/16/18 10:05	03/17/18 08:24
400-150978-4	PB-9 SCHIST/AMPHIBOLITE 65-66'	Solid	03/16/18 10:10	03/17/18 08:24
400-150978-5	APC-5D QUARTZITE 90-91'	Solid	03/16/18 10:15	03/17/18 08:24

Client Sample ID: PB-3 LONG ISLAND GNEISS 56-57'
Lab Sample ID: 400-150978-1
Date Collected: 03/16/18 09:55
Matrix: Solid
Date Received: 03/17/18 08:24

Method: 9056 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	11		4.1	1.3	mg/Kg			03/22/18 00:17	1

Client Sample ID: PB-4 LONG ISLAND GNEISS 49-50'
Lab Sample ID: 400-150978-2
Date Collected: 03/16/18 10:00
Matrix: Solid
Date Received: 03/17/18 08:24

Method: 9056 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	9.3		3.9	1.3	mg/Kg			03/22/18 01:26	1

Client Sample ID: PB-8 SCHIST/AMPHIBOLITE 123-124'
Lab Sample ID: 400-150978-3
Date Collected: 03/16/18 10:05
Matrix: Solid
Date Received: 03/17/18 08:24

Method: 9056 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<1.3		4.0	1.3	mg/Kg			03/22/18 01:48	1

Client Sample ID: PB-9 SCHIST/AMPHIBOLITE 65-66'
Lab Sample ID: 400-150978-4
Date Collected: 03/16/18 10:10
Matrix: Solid
Date Received: 03/17/18 08:24

Method: 9056 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	3.4	J	3.9	1.3	mg/Kg			03/22/18 02:11	1

Client Sample ID: APC-5D QUARTZITE 90-91'
Lab Sample ID: 400-150978-5
Date Collected: 03/16/18 10:15
Matrix: Solid
Date Received: 03/17/18 08:24

Method: 9056 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<1.3		4.1	1.3	mg/Kg			03/22/18 02:34	1

Qualifiers

HPLC/IC

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

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)
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)

Lab Chronicle

Client: Southern Company
Project/Site: Plant Wansley

TestAmerica Job ID: 400-150978-1
SDG: ASD

Client Sample ID: PB-3 LONG ISLAND GNEISS 56-57'
Lab Sample ID: 400-150978-1
Date Collected: 03/16/18 09:55
Matrix: Solid
Date Received: 03/17/18 08:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			390993	03/21/18 17:04	TAJ	TAL PEN
Soluble	Analysis	9056		1	391064	03/22/18 00:17	TAJ	TAL PEN

Client Sample ID: PB-4 LONG ISLAND GNEISS 49-50'
Lab Sample ID: 400-150978-2
Date Collected: 03/16/18 10:00
Matrix: Solid
Date Received: 03/17/18 08:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			390993	03/21/18 17:04	TAJ	TAL PEN
Soluble	Analysis	9056		1	391064	03/22/18 01:26	TAJ	TAL PEN

Client Sample ID: PB-8 SCHIST/AMPHIBOLITE 123-124'
Lab Sample ID: 400-150978-3
Date Collected: 03/16/18 10:05
Matrix: Solid
Date Received: 03/17/18 08:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			390993	03/21/18 17:04	TAJ	TAL PEN
Soluble	Analysis	9056		1	391064	03/22/18 01:48	TAJ	TAL PEN

Client Sample ID: PB-9 SCHIST/AMPHIBOLITE 65-66'
Lab Sample ID: 400-150978-4
Date Collected: 03/16/18 10:10
Matrix: Solid
Date Received: 03/17/18 08:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			390993	03/21/18 17:04	TAJ	TAL PEN
Soluble	Analysis	9056		1	391064	03/22/18 02:11	TAJ	TAL PEN

Client Sample ID: APC-5D QUARTZITE 90-91'
Lab Sample ID: 400-150978-5
Date Collected: 03/16/18 10:15
Matrix: Solid
Date Received: 03/17/18 08:24

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			390993	03/21/18 18:05	TAJ	TAL PEN
Soluble	Analysis	9056		1	391064	03/22/18 02:34	TAJ	TAL PEN

Laboratory References:
TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: Southern Company
Project/Site: Plant Wansley

TestAmerica Job ID: 400-150978-1
SDG: ASD

HPLC/IC

Leach Batch: 390993

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-150978-1	PB-3 LONG ISLAND GNEISS 56-57'	Soluble	Solid	DI Leach	
400-150978-2	PB-4 LONG ISLAND GNEISS 49-50'	Soluble	Solid	DI Leach	
400-150978-3	PB-8 SCHIST/AMPHIBOLITE 123-124'	Soluble	Solid	DI Leach	
400-150978-4	PB-9 SCHIST/AMPHIBOLITE 65-66'	Soluble	Solid	DI Leach	
400-150978-5	APC-5D QUARTZITE 90-91'	Soluble	Solid	DI Leach	
MB 400-390993/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 400-390993/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 400-390993/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
400-150978-1 MS	PB-3 LONG ISLAND GNEISS 56-57'	Soluble	Solid	DI Leach	
400-150978-1 MSD	PB-3 LONG ISLAND GNEISS 56-57'	Soluble	Solid	DI Leach	

Analysis Batch: 391064

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-150978-1	PB-3 LONG ISLAND GNEISS 56-57'	Soluble	Solid	9056	390993
400-150978-2	PB-4 LONG ISLAND GNEISS 49-50'	Soluble	Solid	9056	390993
400-150978-3	PB-8 SCHIST/AMPHIBOLITE 123-124'	Soluble	Solid	9056	390993
400-150978-4	PB-9 SCHIST/AMPHIBOLITE 65-66'	Soluble	Solid	9056	390993
400-150978-5	APC-5D QUARTZITE 90-91'	Soluble	Solid	9056	390993
MB 400-390993/1-A	Method Blank	Soluble	Solid	9056	390993
LCS 400-390993/2-A	Lab Control Sample	Soluble	Solid	9056	390993
LCSD 400-390993/3-A	Lab Control Sample Dup	Soluble	Solid	9056	390993
400-150978-1 MS	PB-3 LONG ISLAND GNEISS 56-57'	Soluble	Solid	9056	390993
400-150978-1 MSD	PB-3 LONG ISLAND GNEISS 56-57'	Soluble	Solid	9056	390993

Method: 9056 - Anions, Ion Chromatography

Lab Sample ID: MB 400-390993/1-A
Matrix: Solid
Analysis Batch: 391064

Client Sample ID: Method Blank
Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<1.3		4.0	1.3	mg/Kg			03/21/18 23:08	1

Lab Sample ID: LCS 400-390993/2-A
Matrix: Solid
Analysis Batch: 391064

Client Sample ID: Lab Control Sample
Prep Type: Soluble

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Fluoride			200	203		mg/Kg		101	80 - 120		

Lab Sample ID: LCSD 400-390993/3-A
Matrix: Solid
Analysis Batch: 391064

Client Sample ID: Lab Control Sample Dup
Prep Type: Soluble

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoride			200	204		mg/Kg		102	80 - 120	1	15

Lab Sample ID: 400-150978-1 MS
Matrix: Solid
Analysis Batch: 391064

Client Sample ID: PB-3 LONG ISLAND GNEISS 56-57'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Fluoride	11		199	204		mg/Kg		97	80 - 120		

Lab Sample ID: 400-150978-1 MSD
Matrix: Solid
Analysis Batch: 391064

Client Sample ID: PB-3 LONG ISLAND GNEISS 56-57'
Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Fluoride	11		200	204		mg/Kg		96	80 - 120	0	15

TestAmerica Pensacola
3355 McLemore Drive
SB1-Atlanta
Pensacola, FL 32514-7045
phone 850.474.1001 fax 850.474.4759

Chain of Custody Record

TestAmerica
THE LEADER IN ENVIRONMENTAL TESTING

Regulatory Program: ☐ DW ☐ NPDES ☐ RCRA ☐ Other

TestAmerica Laboratories, Inc.

Client Contact	Project Manager: Evan Perry	Site Contact: Evan Perry	Date:	COC No:
Atlantic Coast Consulting, Inc.	Tel/Fax: (770) 594-5998	Lab Contact: Cheyenne Whitmire	Carrier:	1 of 1 COCs
630 Colonial Park Drive, Suite 110	**Analysis Turnaround Time**			Sampler:
Roswell, GA 30075	☐ CALENDAR DAYS ☑ WORKING DAYS			**For Lab Use Only:**
(770) 594-5998 Phone	TAT if different from Below			Walk-in Client:
(770) 594-5967 FAX	☐ 2 weeks			Lab Sampling:
Project Name: Plant Wansley ASD	☑ 1 week			Job / SDG No.:
Site: Plant Wansley	☐ 2 days			
P O #:	☐ 1 day			

Sample Identification	Sample Date	Sample Time	Sample Type (C=Comp, G=Grab)	Matrix	# of Cont.	Filtered Sample (Y / N)	Perform MS / MSD (Y / N)	Phosphide 9056	Sample Specific Notes:
PB-3 Long Island Gneiss 56-57'	3/15/2018	0955	G	S	1	N	N	X	
PB-4 Long Island Gneiss 49-50'	3/15/2018	1000	G	S	1	N	N	X	
PB-8 Schist/Amphibolite 123-124'	3/15/2018	1005	G	S	1	N	N	X	
PB-9 Schist/Amphibolite 65-66'	3/15/2018	1010	G	S	1	N	N	X	
APC-5D Quartzite 90-91'	3/15/2018	1015	G	S	1	N	N	X	

ADD-1503978 COC

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

Possible Hazard Identification:
Are any samples from a listed EPA Hazardous Waste? Please List any EPA Waste Codes for the sample in the Comments Section if the lab is to dispose of the sample.
☐ Non-Hazard ☐ Flammable ☐ Skin Irritant ☐ Poison B ☐ Unknown

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

Special Instructions/QC Requirements & Comments:
15.1°C I27

Custody Seals Intact: ☐ Yes ☐ No	Custody Seal No.:	Cooler Temp. (°C): Obs'd:	Corr'd:	Therm ID No.:
Relinquished by:	Company: Atlantic Coast Consulting	Date/Time: 3/16/18 1650	Received by:	Company: TA-PEN	Date/Time: 3/16/18 1650
Relinquished by:	Company: TA-PEN	Date/Time: 3/16/18 1645	Received by:	Company: TA-PEN	Date/Time: 3.17.18 0824
Relinquished by:	Company:	Date/Time:	Received in Laboratory by:	Company:	Date/Time:

Form No. CA-C-WI-002, Rev. 4.15, dated 8/27/2017

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 400-150978-1
SDG Number: ASD

Login Number: 150978
List Number: 1
Creator: Ott, Tina M

List Source: TestAmerica Pensacola

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.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	N/A	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	15.1°C IR7
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Southern Company
Project/Site: Plant Wansley

TestAmerica Job ID: 400-150978-1
SDG: ASD

Laboratory: TestAmerica Pensacola

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Alabama	State Program	4	40150	06-30-18
Arizona	State Program	9	AZ0710	01-12-19
Arkansas DEQ	State Program	6	88-0689	09-01-18
California	ELAP	9	2510	03-31-18
Florida	NELAP	4	E81010	06-30-18
Georgia	State Program	4	N/A	06-30-18
Illinois	NELAP	5	200041	10-09-18
Iowa	State Program	7	367	08-01-18
Kansas	NELAP	7	E-10253	10-31-18
Kentucky (UST)	State Program	4	53	06-30-18
Kentucky (WW)	State Program	4	98030	12-31-18
L-A-B	ISO/IEC 17025		L2471	02-22-20
Louisiana	NELAP	6	30976	06-30-18
Louisiana (DW)	NELAP	6	LA170005	12-31-18
Maryland	State Program	3	233	09-30-18
Massachusetts	State Program	1	M-FL094	06-30-18
Michigan	State Program	5	9912	06-30-18
New Jersey	NELAP	2	FL006	06-30-18
North Carolina (WW/SW)	State Program	4	314	12-31-18
Pennsylvania	NELAP	3	68-00467	01-31-19
Rhode Island	State Program	1	LAO00307	12-30-18
South Carolina	State Program	4	96026	06-30-18
Tennessee	State Program	4	TN02907	06-30-18
Texas	NELAP	6	T104704286-17-12	09-30-18
USDA	Federal		P330-16-00172	05-24-19
Virginia	NELAP	3	460166	06-14-18
Washington	State Program	10	C915	05-15-18
West Virginia DEP	State Program	3	136	06-30-18

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Pensacola
3355 McLemore Drive
Pensacola, FL 32514
Tel: (850)474-1001

TestAmerica Job ID: 400-150979-1
TestAmerica Sample Delivery Group: Gypsum Landfill Cells
Client Project/Site: CCR - Plant Wansley

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

Attn: Joju Abraham

Authorized for release by:
4/10/2018 10:06:45 AM

Cheyenne Whitmire, Project Manager II
(850)471-6222
cheyenne.whitmire@testamericainc.com

Table of Contents

Cover Page 1
Table of Contents 2
Case Narrative 3
Detection Summary 4
Method Summary 6
Sample Summary 7
Client Sample Results 8
Definitions 16
Chronicle 17
QC Association 19
QC Sample Results 21
Chain of Custody 24
Receipt Checklists 25
Certification Summary 26

Job ID: 400-150979-1

Laboratory: TestAmerica Pensacola

Narrative

Job Narrative
400-150979-1

HPLC/IC
Method(s) 300.0: The method blank for analytical batch 391935 contained Sulfate above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Method(s) 300.0: The method blank for analytical batch 392174 contained Sulfate above the method detection limit. This target analyte concentration was less than the reporting limit (RL); therefore, re-extraction and/or re-analysis of samples was not performed.

Metals
Method(s) 6020: The matrix spike (MS) recoveries for preparation batch 392217 and analytical batch 393106 were outside control limits. Insufficient spike in the matrix spike is suspected. The associated laboratory control sample (LCS) and post digestion spike (PDS) recoveries are within acceptance limits.

Method(s) 6020: The sample size used in the preparation of the matrix spike/matrix spike duplicate (MS/MSD) associated with preparation batch 392217 and analytical batch 393106 was outside the 20% difference. As the relative percent difference (RPD) calculation is based upon the MS/MSD concentration as opposed to the MS/MSD percent recovery, elevated %RPD values were obtained.

General Chemistry
Method(s) SM 2320B: The sample duplicate precision for the following sample associated with analytical batch 391494 was outside control limits: (400-150979-A-2 DU). The associated Laboratory Control Sample(LCS) met acceptance criteria.

Detection Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley

TestAmerica Job ID: 400-150979-1
SDG: Gypsum Landfill Cells

Client Sample ID: GWA-29 — Lab Sample ID: 400-150979-1

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1.3		1.0	0.89	mg/L	1		300.0	Total/NA
Sulfate	5.6		1.0	0.70	mg/L	1		300.0	Total/NA
Calcium	4.0	F1	0.25	0.13	mg/L	5		6020	Total Recoverable
Magnesium	1.5	F2 F1	0.13	0.032	mg/L	5		6020	Total Recoverable
Potassium	1.1	F1	0.25	0.11	mg/L	5		6020	Total Recoverable
Sodium	11	F1	0.25	0.17	mg/L	5		6020	Total Recoverable
Alkalinity, Total	28		1.0	0.98	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	28		1.0	0.98	mg/L	1		SM 2320B	Total/NA

Client Sample ID: GWA-28 — Lab Sample ID: 400-150979-2

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1.3		1.0	0.89	mg/L	1		300.0	Total/NA
Sulfate	0.74	J	1.0	0.70	mg/L	1		300.0	Total/NA
Calcium	2.5		0.25	0.13	mg/L	5		6020	Total Recoverable
Magnesium	0.76		0.13	0.032	mg/L	5		6020	Total Recoverable
Potassium	0.66		0.25	0.11	mg/L	5		6020	Total Recoverable
Sodium	10		0.25	0.17	mg/L	5		6020	Total Recoverable
Alkalinity, Total	38		1.0	0.98	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	38		1.0	0.98	mg/L	1		SM 2320B	Total/NA

Client Sample ID: GWC-32 — Lab Sample ID: 400-150979-3

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1.0		1.0	0.89	mg/L	1		300.0	Total/NA
Sulfate	9.1		1.0	0.70	mg/L	1		300.0	Total/NA
Calcium	14		0.25	0.13	mg/L	5		6020	Total Recoverable
Magnesium	4.4		0.13	0.032	mg/L	5		6020	Total Recoverable
Potassium	2.0		0.25	0.11	mg/L	5		6020	Total Recoverable
Sodium	12		0.25	0.17	mg/L	5		6020	Total Recoverable
Alkalinity, Total	60		1.0	0.98	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	60		1.0	0.98	mg/L	1		SM 2320B	Total/NA

Client Sample ID: GWC-31 — Lab Sample ID: 400-150979-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1.6		1.0	0.89	mg/L	1		300.0	Total/NA
Sulfate	12		1.0	0.70	mg/L	1		300.0	Total/NA
Calcium	12		0.25	0.13	mg/L	5		6020	Total Recoverable
Magnesium	3.2		0.13	0.032	mg/L	5		6020	Total Recoverable

This Detection Summary does not include radiochemical test results.

Detection Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley

TestAmerica Job ID: 400-150979-1
SDG: Gypsum Landfill Cells

Client Sample ID: GWC-31 (Continued) — Lab Sample ID: 400-150979-4

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Potassium	1.8		0.25	0.11	mg/L	5		6020	Total Recoverable
Sodium	14		0.25	0.17	mg/L	5		6020	Total Recoverable
Alkalinity, Total	49		1.0	0.98	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	49		1.0	0.98	mg/L	1		SM 2320B	Total/NA

Client Sample ID: GWC-27 — Lab Sample ID: 400-150979-5

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1.0		1.0	0.89	mg/L	1		300.0	Total/NA
Calcium	0.73		0.25	0.13	mg/L	5		6020	Total Recoverable
Magnesium	0.28		0.13	0.032	mg/L	5		6020	Total Recoverable
Potassium	3.9		0.25	0.11	mg/L	5		6020	Total Recoverable
Sodium	2.7		0.25	0.17	mg/L	5		6020	Total Recoverable
Alkalinity, Total	12		1.0	0.98	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	12		1.0	0.98	mg/L	1		SM 2320B	Total/NA

Client Sample ID: DUP-1 — Lab Sample ID: 400-150979-6

Analyte	Result	Qualifier	RL	MDL	Unit	Dil Fac	D	Method	Prep Type
Chloride	1.3		1.0	0.89	mg/L	1		300.0	Total/NA
Sulfate	0.73	J	1.0	0.70	mg/L	1		300.0	Total/NA
Calcium	2.5		0.25	0.13	mg/L	5		6020	Total Recoverable
Magnesium	0.74		0.13	0.032	mg/L	5		6020	Total Recoverable
Potassium	0.64		0.25	0.11	mg/L	5		6020	Total Recoverable
Sodium	9.8		0.25	0.17	mg/L	5		6020	Total Recoverable
Alkalinity, Total	27		1.0	0.98	mg/L	1		SM 2320B	Total/NA
Bicarbonate Alkalinity as CaCO3	27		1.0	0.98	mg/L	1		SM 2320B	Total/NA

Client Sample ID: FB-1-3-16-18 — Lab Sample ID: 400-150979-7

No Detections.

Client Sample ID: EB-1-3-16-18 — Lab Sample ID: 400-150979-8

No Detections.

This Detection Summary does not include radiochemical test results.

Method Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley

TestAmerica Job ID: 400-150979-1
SDG: Gypsum Landfill Cells

Method	Method Description	Protocol	Laboratory
300.0	Anions, Ion Chromatography	MCAWW	TAL PEN
6020	Metals (ICP/MS)	SW846	TAL PEN
SM 2320B	Alkalinity	SM	TAL PEN

Protocol References:

MCAWW = "Methods For Chemical Analysis Of Water And Wastes", EPA-600/4-79-020, March 1983 And Subsequent Revisions.
SM = "Standard Methods For The Examination Of Water And Wastewater",
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

Sample Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley

TestAmerica Job ID: 400-150979-1
SDG: Gypsum Landfill Cells

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
400-150979-1	GWA-29	Water	03/15/18 12:37	03/17/18 08:24
400-150979-2	GWA-28	Water	03/15/18 14:56	03/17/18 08:24
400-150979-3	GWC-32	Water	03/16/18 09:22	03/17/18 08:24
400-150979-4	GWC-31	Water	03/16/18 10:31	03/17/18 08:24
400-150979-5	GWC-27	Water	03/16/18 12:11	03/17/18 08:24
400-150979-6	DUP-1	Water	03/15/18 00:00	03/17/18 08:24
400-150979-7	FB-1-3-16-18	Water	03/16/18 09:35	03/17/18 08:24
400-150979-8	EB-1-3-16-18	Water	03/16/18 12:35	03/17/18 08:24

Client Sample Results

Client: Southern Company
Project/Site: CCR - Plant Wansley

TestAmerica Job ID: 400-150979-1
SDG: Gypsum Landfill Cells

Client Sample ID: GWA-29
Date Collected: 03/15/18 12:37
Date Received: 03/17/18 08:24

Lab Sample ID: 400-150979-1
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.3		1.0	0.89	mg/L			03/29/18 21:18	1
Sulfate	5.6		1.0	0.70	mg/L			03/29/18 21:18	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	4.0	F1	0.25	0.13	mg/L		03/31/18 12:31	04/07/18 01:43	5
Magnesium	1.5	F2 F1	0.13	0.032	mg/L		03/31/18 12:31	04/07/18 01:43	5
Potassium	1.1	F1	0.25	0.11	mg/L		03/31/18 12:31	04/07/18 01:43	5
Sodium	11	F1	0.25	0.17	mg/L		03/31/18 12:31	04/07/18 01:43	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	28		1.0	0.98	mg/L			03/21/18 16:40	1
Bicarbonate Alkalinity as CaCO3	28		1.0	0.98	mg/L			03/21/18 16:40	1
Carbonate Alkalinity as CaCO3	<0.98		1.0	0.98	mg/L			03/21/18 16:40	1

Client Sample Results

Client: Southern Company
Project/Site: CCR - Plant Wansley

TestAmerica Job ID: 400-150979-1
SDG: Gypsum Landfill Cells

Client Sample ID: GWA-28
Date Collected: 03/15/18 14:56
Date Received: 03/17/18 08:24

Lab Sample ID: 400-150979-2
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.3		1.0	0.89	mg/L			03/29/18 19:24	1
Sulfate	0.74	J	1.0	0.70	mg/L			03/29/18 19:24	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	2.5		0.25	0.13	mg/L		03/31/18 12:31	04/07/18 02:28	5
Magnesium	0.76		0.13	0.032	mg/L		03/31/18 12:31	04/07/18 02:28	5
Potassium	0.66		0.25	0.11	mg/L		03/31/18 12:31	04/07/18 02:28	5
Sodium	10		0.25	0.17	mg/L		03/31/18 12:31	04/07/18 02:28	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	38		1.0	0.98	mg/L			03/26/18 12:25	1
Bicarbonate Alkalinity as CaCO3	38		1.0	0.98	mg/L			03/26/18 12:25	1
Carbonate Alkalinity as CaCO3	<0.98		1.0	0.98	mg/L			03/26/18 12:25	1

Client Sample Results

Client: Southern Company
Project/Site: CCR - Plant Wansley

TestAmerica Job ID: 400-150979-1
SDG: Gypsum Landfill Cells

Client Sample ID: GWC-32
Date Collected: 03/16/18 09:22
Date Received: 03/17/18 08:24

Lab Sample ID: 400-150979-3
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.0		1.0	0.89	mg/L			03/29/18 21:41	1
Sulfate	9.1		1.0	0.70	mg/L			03/29/18 21:41	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	14		0.25	0.13	mg/L		03/31/18 12:31	04/07/18 02:32	5
Magnesium	4.4		0.13	0.032	mg/L		03/31/18 12:31	04/07/18 02:32	5
Potassium	2.0		0.25	0.11	mg/L		03/31/18 12:31	04/07/18 02:32	5
Sodium	12		0.25	0.17	mg/L		03/31/18 12:31	04/07/18 02:32	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	60		1.0	0.98	mg/L			03/26/18 12:34	1
Bicarbonate Alkalinity as CaCO3	60		1.0	0.98	mg/L			03/26/18 12:34	1
Carbonate Alkalinity as CaCO3	<0.98		1.0	0.98	mg/L			03/26/18 12:34	1

Client Sample Results

Client: Southern Company
Project/Site: CCR - Plant Wansley

TestAmerica Job ID: 400-150979-1
SDG: Gypsum Landfill Cells

Client Sample ID: GWC-31
Date Collected: 03/16/18 10:31
Date Received: 03/17/18 08:24

Lab Sample ID: 400-150979-4
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.6		1.0	0.89	mg/L			03/29/18 22:04	1
Sulfate	12		1.0	0.70	mg/L			03/29/18 22:04	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	12		0.25	0.13	mg/L		03/31/18 12:31	04/07/18 02:37	5
Magnesium	3.2		0.13	0.032	mg/L		03/31/18 12:31	04/07/18 02:37	5
Potassium	1.8		0.25	0.11	mg/L		03/31/18 12:31	04/07/18 02:37	5
Sodium	14		0.25	0.17	mg/L		03/31/18 12:31	04/07/18 02:37	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	49		1.0	0.98	mg/L			03/26/18 12:39	1
Bicarbonate Alkalinity as CaCO3	49		1.0	0.98	mg/L			03/26/18 12:39	1
Carbonate Alkalinity as CaCO3	<0.98		1.0	0.98	mg/L			03/26/18 12:39	1

Client Sample ID: GWC-27

Date Collected: 03/16/18 12:11
Date Received: 03/17/18 08:24

Lab Sample ID: 400-150979-5

Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.0**		1.0	0.89	mg/L			03/29/18 22:27	1
Sulfate	<0.70		1.0	0.70	mg/L			03/29/18 22:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**0.73**		0.25	0.13	mg/L		03/31/18 12:31	04/07/18 02:41	5
Magnesium	**0.28**		0.13	0.032	mg/L		03/31/18 12:31	04/07/18 02:41	5
Potassium	**3.9**		0.25	0.11	mg/L		03/31/18 12:31	04/07/18 02:41	5
Sodium	**2.7**		0.25	0.17	mg/L		03/31/18 12:31	04/07/18 02:41	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	**12**		1.0	0.98	mg/L			03/26/18 12:43	1
Bicarbonate Alkalinity as CaCO3	**12**		1.0	0.98	mg/L			03/26/18 12:43	1
Carbonate Alkalinity as CaCO3	<0.98		1.0	0.98	mg/L			03/26/18 12:43	1

Client Sample Results

Client: Southern Company
Project/Site: CCR - Plant Wansley

TestAmerica Job ID: 400-150979-1
SDG: Gypsum Landfill Cells

Client Sample ID: DUP-1
Date Collected: 03/15/18 00:00
Date Received: 03/17/18 08:24

Lab Sample ID: 400-150979-6
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	**1.3**		1.0	0.89	mg/L			03/29/18 22:49	1
Sulfate	**0.73**	**J**	1.0	0.70	mg/L			03/29/18 22:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	**2.5**		0.25	0.13	mg/L		03/31/18 12:31	04/07/18 02:46	5
Magnesium	**0.74**		0.13	0.032	mg/L		03/31/18 12:31	04/07/18 02:46	5
Potassium	**0.64**		0.25	0.11	mg/L		03/31/18 12:31	04/07/18 02:46	5
Sodium	**9.8**		0.25	0.17	mg/L		03/31/18 12:31	04/07/18 02:46	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	**27**		1.0	0.98	mg/L			03/26/18 12:49	1
Bicarbonate Alkalinity as CaCO3	**27**		1.0	0.98	mg/L			03/26/18 12:49	1
Carbonate Alkalinity as CaCO3	<0.98		1.0	0.98	mg/L			03/26/18 12:49	1

Client Sample Results

Client: Southern Company
Project/Site: CCR - Plant Wansley

TestAmerica Job ID: 400-150979-1
SDG: Gypsum Landfill Cells

Client Sample ID: FB-1-3-16-18
Date Collected: 03/16/18 09:35
Date Received: 03/17/18 08:24

Lab Sample ID: 400-150979-7
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.89		1.0	0.89	mg/L			03/29/18 23:12	1
Sulfate	<0.70		1.0	0.70	mg/L			03/29/18 23:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<0.13		0.25	0.13	mg/L		03/31/18 12:31	04/07/18 02:50	5
Magnesium	<0.032		0.13	0.032	mg/L		03/31/18 12:31	04/07/18 02:50	5
Potassium	<0.11		0.25	0.11	mg/L		03/31/18 12:31	04/07/18 02:50	5
Sodium	<0.17		0.25	0.17	mg/L		03/31/18 12:31	04/07/18 02:50	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	<0.98		1.0	0.98	mg/L			03/26/18 12:53	1
Bicarbonate Alkalinity as CaCO3	<0.98		1.0	0.98	mg/L			03/26/18 12:53	1
Carbonate Alkalinity as CaCO3	<0.98		1.0	0.98	mg/L			03/26/18 12:53	1

Client: Southern Company
Project/Site: CCR - Plant Wansley

TestAmerica Job ID: 400-150979-1
SDG: Gypsum Landfill Cells

Client Sample ID: EB-1-3-16-18
Date Collected: 03/16/18 12:35
Date Received: 03/17/18 08:24

Lab Sample ID: 400-150979-8
Matrix: Water

Method: 300.0 - Anions, Ion Chromatography

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.89		1.0	0.89	mg/L			03/29/18 23:35	1
Sulfate	<0.70		1.0	0.70	mg/L			03/29/18 23:35	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<0.13		0.25	0.13	mg/L		03/31/18 12:31	04/07/18 02:55	5
Magnesium	<0.032		0.13	0.032	mg/L		03/31/18 12:31	04/07/18 02:55	5
Potassium	<0.11		0.25	0.11	mg/L		03/31/18 12:31	04/07/18 02:55	5
Sodium	<0.17		0.25	0.17	mg/L		03/31/18 12:31	04/07/18 02:55	5

General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	<0.98		1.0	0.98	mg/L			03/26/18 12:58	1
Bicarbonate Alkalinity as CaCO3	<0.98		1.0	0.98	mg/L			03/26/18 12:58	1
Carbonate Alkalinity as CaCO3	<0.98		1.0	0.98	mg/L			03/26/18 12:58	1

Qualifiers

HPLC/IC

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

Metals

Qualifier	Qualifier Description
F1	MS and/or MSD Recovery is outside acceptance limits.
F2	MS/MSD RPD exceeds control limits

General Chemistry

Qualifier	Qualifier Description
F3	Duplicate RPD exceeds the control limit

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
¤	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
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)
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)

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Wansley

TestAmerica Job ID: 400-150979-1
SDG: Gypsum Landfill Cells

Client Sample ID: GWA-29
Date Collected: 03/15/18 12:37
Date Received: 03/17/18 08:24

Lab Sample ID: 400-150979-1
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	392174	03/29/18 21:18	JAW	TAL PEN
Total Recoverable	Prep	3005A			392217	03/31/18 12:31	DN1	TAL PEN
Total Recoverable	Analysis	6020		5	393106	04/07/18 01:43	DRE	TAL PEN
Total/NA	Analysis	SM 2320B		1	391011	03/21/18 16:40	BAB	TAL PEN

Client Sample ID: GWA-28
Date Collected: 03/15/18 14:56
Date Received: 03/17/18 08:24

Lab Sample ID: 400-150979-2
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	392174	03/29/18 19:24	JAW	TAL PEN
Total Recoverable	Prep	3005A			392217	03/31/18 12:31	DN1	TAL PEN
Total Recoverable	Analysis	6020		5	393106	04/07/18 02:28	DRE	TAL PEN
Total/NA	Analysis	SM 2320B		1	391494	03/26/18 12:25	BAB	TAL PEN

Client Sample ID: GWC-32
Date Collected: 03/16/18 09:22
Date Received: 03/17/18 08:24

Lab Sample ID: 400-150979-3
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	392174	03/29/18 21:41	JAW	TAL PEN
Total Recoverable	Prep	3005A			392217	03/31/18 12:31	DN1	TAL PEN
Total Recoverable	Analysis	6020		5	393106	04/07/18 02:32	DRE	TAL PEN
Total/NA	Analysis	SM 2320B		1	391494	03/26/18 12:34	BAB	TAL PEN

Client Sample ID: GWC-31
Date Collected: 03/16/18 10:31
Date Received: 03/17/18 08:24

Lab Sample ID: 400-150979-4
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	392174	03/29/18 22:04	JAW	TAL PEN
Total Recoverable	Prep	3005A			392217	03/31/18 12:31	DN1	TAL PEN
Total Recoverable	Analysis	6020		5	393106	04/07/18 02:37	DRE	TAL PEN
Total/NA	Analysis	SM 2320B		1	391494	03/26/18 12:39	BAB	TAL PEN

Client Sample ID: GWC-27
Date Collected: 03/16/18 12:11
Date Received: 03/17/18 08:24

Lab Sample ID: 400-150979-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	392174	03/29/18 22:27	JAW	TAL PEN
Total Recoverable	Prep	3005A			392217	03/31/18 12:31	DN1	TAL PEN

Lab Chronicle

Client: Southern Company
Project/Site: CCR - Plant Wansley

TestAmerica Job ID: 400-150979-1
SDG: Gypsum Landfill Cells

Client Sample ID: GWC-27
Date Collected: 03/16/18 12:11
Date Received: 03/17/18 08:24

Lab Sample ID: 400-150979-5
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Analysis	6020		5	393106	04/07/18 02:41	DRE	TAL PEN
Total/NA	Analysis	SM 2320B		1	391494	03/26/18 12:43	BAB	TAL PEN

Client Sample ID: DUP-1
Date Collected: 03/15/18 00:00
Date Received: 03/17/18 08:24

Lab Sample ID: 400-150979-6
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	392174	03/29/18 22:49	JAW	TAL PEN
Total Recoverable	Prep	3005A			392217	03/31/18 12:31	DN1	TAL PEN
Total Recoverable	Analysis	6020		5	393106	04/07/18 02:46	DRE	TAL PEN
Total/NA	Analysis	SM 2320B		1	391494	03/26/18 12:49	BAB	TAL PEN

Client Sample ID: FB-1-3-16-18
Date Collected: 03/16/18 09:35
Date Received: 03/17/18 08:24

Lab Sample ID: 400-150979-7
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	392174	03/29/18 23:12	JAW	TAL PEN
Total Recoverable	Prep	3005A			392217	03/31/18 12:31	DN1	TAL PEN
Total Recoverable	Analysis	6020		5	393106	04/07/18 02:50	DRE	TAL PEN
Total/NA	Analysis	SM 2320B		1	391494	03/26/18 12:53	BAB	TAL PEN

Client Sample ID: EB-1-3-16-18
Date Collected: 03/16/18 12:35
Date Received: 03/17/18 08:24

Lab Sample ID: 400-150979-8
Matrix: Water

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0		1	392174	03/29/18 23:35	JAW	TAL PEN
Total Recoverable	Prep	3005A			392217	03/31/18 12:31	DN1	TAL PEN
Total Recoverable	Analysis	6020		5	393106	04/07/18 02:55	DRE	TAL PEN
Total/NA	Analysis	SM 2320B		1	391494	03/26/18 12:58	BAB	TAL PEN

Laboratory References:
TAL PEN = TestAmerica Pensacola, 3355 McLemore Drive, Pensacola, FL 32514, TEL (850)474-1001

QC Association Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley

TestAmerica Job ID: 400-150979-1
SDG: Gypsum Landfill Cells

HPLC/IC

Analysis Batch: 392174

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-150979-1	GWA-29	Total/NA	Water	300.0	
400-150979-2	GWA-28	Total/NA	Water	300.0	
400-150979-3	GWC-32	Total/NA	Water	300.0	
400-150979-4	GWC-31	Total/NA	Water	300.0	
400-150979-5	GWC-27	Total/NA	Water	300.0	
400-150979-6	DUP-1	Total/NA	Water	300.0	
400-150979-7	FB-1-3-16-18	Total/NA	Water	300.0	
400-150979-8	EB-1-3-16-18	Total/NA	Water	300.0	
MB 400-392174/20	Method Blank	Total/NA	Water	300.0	
LCS 400-392174/21	Lab Control Sample	Total/NA	Water	300.0	
LCSD 400-392174/22	Lab Control Sample Dup	Total/NA	Water	300.0	
400-150979-2 MS	GWA-28	Total/NA	Water	300.0	
400-150979-2 MSD	GWA-28	Total/NA	Water	300.0	

Metals

Prep Batch: 392217

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-150979-1	GWA-29	Total Recoverable	Water	3005A	
400-150979-2	GWA-28	Total Recoverable	Water	3005A	
400-150979-3	GWC-32	Total Recoverable	Water	3005A	
400-150979-4	GWC-31	Total Recoverable	Water	3005A	
400-150979-5	GWC-27	Total Recoverable	Water	3005A	
400-150979-6	DUP-1	Total Recoverable	Water	3005A	
400-150979-7	FB-1-3-16-18	Total Recoverable	Water	3005A	
400-150979-8	EB-1-3-16-18	Total Recoverable	Water	3005A	
MB 400-392217/1-A ^5	Method Blank	Total Recoverable	Water	3005A	
LCS 400-392217/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
400-150979-1 MS	GWA-29	Total Recoverable	Water	3005A	
400-150979-1 MSD	GWA-29	Total Recoverable	Water	3005A	

Analysis Batch: 393106

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-150979-1	GWA-29	Total Recoverable	Water	6020	392217
400-150979-2	GWA-28	Total Recoverable	Water	6020	392217
400-150979-3	GWC-32	Total Recoverable	Water	6020	392217
400-150979-4	GWC-31	Total Recoverable	Water	6020	392217
400-150979-5	GWC-27	Total Recoverable	Water	6020	392217
400-150979-6	DUP-1	Total Recoverable	Water	6020	392217
400-150979-7	FB-1-3-16-18	Total Recoverable	Water	6020	392217
400-150979-8	EB-1-3-16-18	Total Recoverable	Water	6020	392217
MB 400-392217/1-A ^5	Method Blank	Total Recoverable	Water	6020	392217
LCS 400-392217/2-A	Lab Control Sample	Total Recoverable	Water	6020	392217
400-150979-1 MS	GWA-29	Total Recoverable	Water	6020	392217
400-150979-1 MSD	GWA-29	Total Recoverable	Water	6020	392217

QC Association Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley

TestAmerica Job ID: 400-150979-1
SDG: Gypsum Landfill Cells

General Chemistry

Analysis Batch: 391011

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-150979-1	GWA-29	Total/NA	Water	SM 2320B	
MB 400-391011/4	Method Blank	Total/NA	Water	SM 2320B	
LCS 400-391011/5	Lab Control Sample	Total/NA	Water	SM 2320B	
400-150932-I-4 DU	Duplicate	Total/NA	Water	SM 2320B	

Analysis Batch: 391494

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
400-150979-2	GWA-28	Total/NA	Water	SM 2320B	
400-150979-3	GWC-32	Total/NA	Water	SM 2320B	
400-150979-4	GWC-31	Total/NA	Water	SM 2320B	
400-150979-5	GWC-27	Total/NA	Water	SM 2320B	
400-150979-6	DUP-1	Total/NA	Water	SM 2320B	
400-150979-7	FB-1-3-16-18	Total/NA	Water	SM 2320B	
400-150979-8	EB-1-3-16-18	Total/NA	Water	SM 2320B	
MB 400-391494/4	Method Blank	Total/NA	Water	SM 2320B	
LCS 400-391494/5	Lab Control Sample	Total/NA	Water	SM 2320B	
400-150979-2 DU	GWA-28	Total/NA	Water	SM 2320B	

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 400-392174/20
Matrix: Water
Analysis Batch: 392174

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.89		1.0	0.89	mg/L			03/29/18 18:16	1
Sulfate	<0.70		1.0	0.70	mg/L			03/29/18 18:16	1

Lab Sample ID: LCS 400-392174/21
Matrix: Water
Analysis Batch: 392174

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride			10.0	9.63		mg/L		96	90 - 110		
Sulfate			10.0	10.1		mg/L		101	90 - 110		

Lab Sample ID: LCSD 400-392174/22
Matrix: Water
Analysis Batch: 392174

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

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride			10.0	9.65		mg/L		97	90 - 110	0	15
Sulfate			10.0	10.2		mg/L		102	90 - 110	1	15

Lab Sample ID: 400-150979-2 MS
Matrix: Water
Analysis Batch: 392174

Client Sample ID: GWA-28
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Chloride	1.3		10.0	10.7		mg/L		94	80 - 120		
Sulfate	0.74	J	10.0	10.8		mg/L		100	80 - 120		

Lab Sample ID: 400-150979-2 MSD
Matrix: Water
Analysis Batch: 392174

Client Sample ID: GWA-28
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Chloride	1.3		10.0	10.7		mg/L		94	80 - 120	0	20
Sulfate	0.74	J	10.0	10.8		mg/L		101	80 - 120	1	20

Method: 6020 - Metals (ICP/MS)

Lab Sample ID: MB 400-392217/1-A ^5
Matrix: Water
Analysis Batch: 393106

Client Sample ID: Method Blank
Prep Type: Total Recoverable
Prep Batch: 392217

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Calcium	<0.13		0.25	0.13	mg/L		03/31/18 12:31	04/07/18 00:13	5
Magnesium	<0.032		0.13	0.032	mg/L		03/31/18 12:31	04/07/18 00:13	5
Potassium	<0.11		0.25	0.11	mg/L		03/31/18 12:31	04/07/18 00:13	5
Sodium	<0.17		0.25	0.17	mg/L		03/31/18 12:31	04/07/18 00:13	5

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

Lab Sample ID: LCS 400-392217/2-A
Matrix: Water
Analysis Batch: 393106

Client Sample ID: Lab Control Sample
Prep Type: Total Recoverable
Prep Batch: 392217

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	5.00	4.52		mg/L		90	80 - 120
Magnesium	5.00	4.40		mg/L		88	80 - 120
Potassium	5.00	4.25		mg/L		85	80 - 120
Sodium	5.00	4.42		mg/L		88	80 - 120

Lab Sample ID: 400-150979-1 MS
Matrix: Water
Analysis Batch: 393106

Client Sample ID: GWA-29
Prep Type: Total Recoverable
Prep Batch: 392217

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Calcium	4.0	F1	5.00	7.18	F1	mg/L		63	75 - 125
Magnesium	1.5	F2 F1	5.00	4.96	F1	mg/L		69	75 - 125
Potassium	1.1	F1	5.00	4.64	F1	mg/L		70	75 - 125
Sodium	11	F1	5.00	14.3	F1	mg/L		67	75 - 125

Lab Sample ID: 400-150979-1 MSD
Matrix: Water
Analysis Batch: 393106

Client Sample ID: GWA-29
Prep Type: Total Recoverable
Prep Batch: 392217

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Calcium	4.0	F1	5.00	8.45		mg/L		88	75 - 125	16	20
Magnesium	1.5	F2 F1	5.00	6.18	F2	mg/L		94	75 - 125	22	20
Potassium	1.1	F1	5.00	5.68		mg/L		91	75 - 125	20	20
Sodium	11	F1	5.00	15.3		mg/L		87	75 - 125	7	20

Method: SM 2320B - Alkalinity

Lab Sample ID: MB 400-391011/4
Matrix: Water
Analysis Batch: 391011

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	<0.98		1.0	0.98	mg/L			03/21/18 15:03	1
Bicarbonate Alkalinity as CaCO3	<0.98		1.0	0.98	mg/L			03/21/18 15:03	1
Carbonate Alkalinity as CaCO3	<0.98		1.0	0.98	mg/L			03/21/18 15:03	1

Lab Sample ID: LCS 400-391011/5
Matrix: Water
Analysis Batch: 391011

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Alkalinity, Total	100	102		mg/L		102	80 - 120

Lab Sample ID: 400-150932-I-4 DU
Matrix: Water
Analysis Batch: 391011

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Alkalinity, Total	490		585		mg/L		18	20

Method: SM 2320B - Alkalinity (Continued)

Lab Sample ID: 400-150932-I-4 DU
Matrix: Water
Analysis Batch: 391011

Client Sample ID: Duplicate
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Bicarbonate Alkalinity as CaCO3	490			585		mg/L				18	20
Carbonate Alkalinity as CaCO3	<0.98			<0.98		mg/L				NC	20

Lab Sample ID: MB 400-391494/4
Matrix: Water
Analysis Batch: 391494

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Alkalinity, Total	<0.98		1.0	0.98	mg/L			03/26/18 12:05	1
Bicarbonate Alkalinity as CaCO3	<0.98		1.0	0.98	mg/L			03/26/18 12:05	1
Carbonate Alkalinity as CaCO3	<0.98		1.0	0.98	mg/L			03/26/18 12:05	1

Lab Sample ID: LCS 400-391494/5
Matrix: Water
Analysis Batch: 391494

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

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Alkalinity, Total			100	96.4		mg/L		96	80 - 120		

Lab Sample ID: 400-150979-2 DU
Matrix: Water
Analysis Batch: 391494

Client Sample ID: GWA-28
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier		DU Result	DU Qualifier	Unit	D			RPD	RPD Limit
Alkalinity, Total	38			26.7	F3	mg/L				35	20
Bicarbonate Alkalinity as CaCO3	38			26.7	F3	mg/L				35	20
Carbonate Alkalinity as CaCO3	<0.98			<0.98		mg/L				NC	20

680-Atlanta

TA PENSACOLA

CHAIN OF CUSTODY RECORD

Pace Analytical®

Pace Analytical Services, Inc.
110 TECHNOLOGY PARKWAY, PEACHTREE CORNERS, GA 30092
(770) 734-4200 : FAX (770) 734-4201 : www.asi-lab.com

PAGE: 1 OF 1

CLIENT NAME: Georgia Power

CLIENT ADDRESS/PHONE NUMBER/FAX NUMBER: 241 Ralph McGill Blvd SE B10185, Atlanta, GA 30308, 404-506-7239

REPORT TO: Evan Perry

REQUESTED COMPLETION DATE:

PO #:

PROJECT NAME/STATE: Plant Yates Phase II - Additional Site Characterization

PROJECT #: Phase 2 CCR

ANALYSIS REQUESTED — Container type: P, P; Preservation: 3, 7

Collection DATE	Collection TIME	MATRIX CODE*	COMP	GRAB	SAMPLE IDENTIFICATION	# of CONTAINERS	Ca, Mg, Na, K	ALK(bicarbonate, carbonate, total) Sulfate, Chloride
3-15-18	1237	GW		X	GWA-29	2	1	1
3-15-18	1456	GW		X	GWA-28	2	1	1
3-16-18	0932	GW		X	GWC-32	2	1	1
3-16-18	1031	GW		X	GWC-31	2	1	1
3-16-18	1211	GW		X	GWC-27	2	1	1
3-15-18	—	GW		X	Dup-1	2	1	1
3-16-18	0935	XW		X	FB-1-3-16-18	2	1	1
3-16-18	1235	W		X	EB-1-3-16-18	2	1	1

LAB I.D. NUMBER: 400-152879 COC

CONTAINER TYPE: P - PLASTIC; A - AMBER GLASS; G - CLEAR GLASS; V - VOA VIAL; S - STERILE; O - OTHER

PRESERVATION: 1 - HCl, ≤6°C; 2 - H_2SO_4, ≤6°C; 3 - HNO_3; 4 - NaOH, ≤6°C; 5 - NaOH/ZnAc, ≤6°C; 6 - $Na_2S_2O_3$, ≤6°C; 7 - ≤6°C not frozen

*MATRIX CODES: DW - DRINKING WATER; WW - WASTEWATER; GW - GROUNDWATER; SW - SURFACE WATER; ST - STORM WATER; W - WATER; S - SOIL; SL - SLUDGE; SD - SOLID; A - AIR; L - LIQUID; P - PRODUCT

REMARKS/ADDITIONAL INFORMATION:

SAMPLED BY AND TITLE: Ryan Walker ACC — DATE/TIME: See above

RELINQUISHED BY: [signature] — DATE/TIME: 3-16-18 1450

RECEIVED BY: [signature] — DATE/TIME: 3/16/18 1450

RELINQUISHED BY: [signature] — DATE/TIME: 3/16/18 1620

RECEIVED BY LAB: [signature] — DATE/TIME: 3-17-18 0824

Temperature: 4.4°C IR8

pH checked: Yes No NA — Ice: Yes No NA

SAMPLE SHIPPED VIA: UPS FED-EX USPS COURIER CLIENT OTHER FS

Custody Seal: Intact Broken Not Present — # of Coolers — Cooler ID

FOR LAB USE ONLY — LAB #: — Entered into LIMS: — Tracking #:

COC - Plant Wansley Landfill

Login Sample Receipt Checklist

Client: Southern Company

Job Number: 400-150979-1
SDG Number: Gypsum Landfill Cells

Login Number: 150979
List Number: 1
Creator: Ott, Tina M

List Source: TestAmerica Pensacola

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.	N/A	
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	4.4°C IR8
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").	N/A	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Accreditation/Certification Summary

Client: Southern Company
Project/Site: CCR - Plant Wansley

TestAmerica Job ID: 400-150979-1
SDG: Gypsum Landfill Cells

Laboratory: TestAmerica Pensacola

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

Authority	Program	EPA Region	Identification Number	Expiration Date
Alabama	State Program	4	40150	06-30-18
Arizona	State Program	9	AZ0710	01-12-19
Arkansas DEQ	State Program	6	88-0689	09-01-18
California	ELAP	9	2510	03-31-18 *
Florida	NELAP	4	E81010	06-30-18
Georgia	State Program	4	N/A	06-30-18
Illinois	NELAP	5	200041	10-09-18
Iowa	State Program	7	367	08-01-18
Kansas	NELAP	7	E-10253	10-31-18
Kentucky (UST)	State Program	4	53	06-30-18
Kentucky (WW)	State Program	4	98030	12-31-18
L-A-B	ISO/IEC 17025		L2471	02-22-20
Louisiana	NELAP	6	30976	06-30-18
Louisiana (DW)	NELAP	6	LA170005	12-31-18
Maryland	State Program	3	233	09-30-18
Massachusetts	State Program	1	M-FL094	06-30-18
Michigan	State Program	5	9912	06-30-18
New Jersey	NELAP	2	FL006	06-30-18
North Carolina (WW/SW)	State Program	4	314	12-31-18
Oklahoma	State Program	6	9810	08-31-18
Pennsylvania	NELAP	3	68-00467	01-31-19
Rhode Island	State Program	1	LAO00307	12-30-18
South Carolina	State Program	4	96026	06-30-18
Tennessee	State Program	4	TN02907	06-30-18
Texas	NELAP	6	T104704286-17-12	09-30-18
USDA	Federal		P330-16-00172	05-24-19
Virginia	NELAP	3	460166	06-14-18
Washington	State Program	10	C915	05-15-18
West Virginia DEP	State Program	3	136	06-30-18

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

Roswell, GA
1150 Northmeadow Parkway
Suite 100
Roswell, GA 30076
Phone: 770.594.5998

Savannah, GA
7 East Congress Street
Suite 801
Savannah, GA 31401
Phone: 912.236.3471

Knoxville, TN
8848 Cedars Springs Lane
Suite 202
Knoxville, TN 37923
Phone: 865.531.9143