



**Plant Wansley CCR Landfill**  
PERMIT #: 074-005D(CCR)  
Heard County

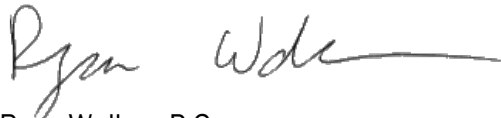
**2023 SEMIANNUAL GROUNDWATER MONITORING AND  
CORRECTIVE ACTION REPORT**



## PROFESSIONAL CERTIFICATION

This *2023 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], specifically § 257.90(e), and the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4-.10 by a qualified groundwater scientist or engineer with Atlantic Coast Consulting, Inc. (ACC). I hereby certify that I am a qualified groundwater scientist, in accordance with the Georgia Rules of Solid Waste Management 391-3-4-.01.

## ATLANTIC COAST CONSULTING, INC.



Ryan Walker, P.G.  
Project Manager  
Date: August 31, 2023



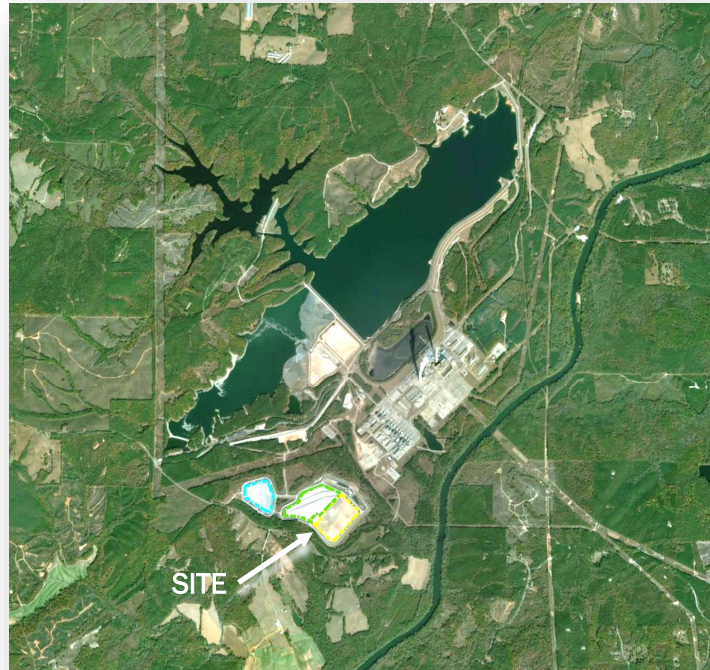
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## SUMMARY

This summary of the *2023 Semiannual Groundwater Monitoring and Corrective Action Report* provides the groundwater monitoring and corrective action program status from January through June 2023 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<sup>1</sup> 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 on August 31, 2022.

The groundwater monitoring system is comprised of a comprehensive network of wells installed to meet federal and state monitoring requirements. After background groundwater conditions were established between August 2011 and July 2013, routine sampling and reporting began in accordance with the Solid Waste Handling Permit (074-005D(LI)) requirements specified in the Design and Operation (D&O) Plan that existed at that time. EPD issued a Handling Permit for CCR, Permit No. 074-005D (CCR), on December 8, 2022, which replaced the former solid waste permit. Routine groundwater monitoring and reporting is conducted at the site pursuant to the Groundwater Monitoring Plan in the 2022 permit. The monitoring program has been modified to include Appendix III parameters<sup>2</sup> to meet the requirements of 40 CFR § 257.90 through § 257.95. Background groundwater conditions for Appendix III and IV parameters<sup>3</sup> were established between May 2016 and August 2017. Alternate Source Demonstrations (ASDs) completed in 2017-2023 have presented evidence demonstrating that statistically significant increases (SSIs) in groundwater are not due to a release from the



Plant Wansley and Plant Wansley Landfill

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

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

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

unit. During the 2023 semiannual reporting period, the Site remained in detection monitoring.

During the 2023 semiannual reporting period, ACC conducted a groundwater sampling event in February 2023. Groundwater samples were submitted to Eurofins Environment Testing America for analysis. Per the CCR Rule, the groundwater results were evaluated in accordance with the certified statistical methods. That evaluation showed SSIs of Appendix III parameters in wells provided in the table below.

Appendix III Parameter	February 2023
Boron	GWC-14
Chloride	GWC-14

SSIs confirmed during the current monitoring period have been addressed by previous ASDs. Based on review of the Appendix III statistical results completed for the groundwater monitoring and corrective action program from January through June 2023, the Site will remain in detection monitoring. Georgia Power will continue detection groundwater monitoring and reporting at the Site. Reports will be posted to Georgia Power's website and provided to the Georgia Environmental Protection Division (EPD) semiannually.

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## 1.0 INTRODUCTION

In accordance with the United States Environmental Protection Agency (US EPA) Coal Combustion Residuals (CCR) Rule [40 Code of Federal Regulations (CFR) 257 Subpart D] and the Georgia Environmental Protection Division (EPD) Rules for Solid Waste Management 391-3-4-.10, Atlantic Coast Consulting, Inc. (ACC) has prepared this *2023 Semiannual Groundwater Monitoring and Corrective Action Report* to document groundwater monitoring activities conducted at the 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 during the 2023 semiannual monitoring period was 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 previous permit approved the addition of Appendix III and IV parameters contained in 40 CFR § 257 Subpart D to the groundwater monitoring plan. Georgia EPD issued CCR Permit No. 074-005D(CCR) on December 8, 2022, which replaced Georgia Solid Waste Permit No. 074-005D(LI). Routine groundwater monitoring and reporting is conducted at the Site pursuant to the Groundwater Monitoring Plan (GWMP) in the 2022 permit. This report provides the results of the sampling event conducted in February 2023 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 *2023 Semiannual Groundwater Monitoring and Corrective Action Report* in accordance with Georgia EPD Rule 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 2-foot compacted clay layer [maximum hydraulic conductivity of  $1 \times 10^{-5}$  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 that existed at that time. 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. The 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 – February 2023).

## 2.0 GROUNDWATER MONITORING ACTIVITIES

Pursuant to 40 CFR § 257.90(e), the following describes monitoring-related activities performed during the annual 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 February 2023 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., 2022. 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 February 2023, 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. These well inspections were performed under the direction of a professional geologist or engineer registered in the State of Georgia. No repairs were conducted during the monitoring period.

## 2.2 Detection Monitoring Program

Detection monitoring is performed on a semiannual basis in accordance with the approved Georgia EPD CCR Permit and the Site's GWMP. The semiannual sampling event was conducted in February 2023. 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 Handling Permit for CCR [No. 074-005D(CCR)]. 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, and SWC-7 during the February 2023 event. Locations SWC-2, SWC-3, SWC-4, SWC-8, and SWC-9 were dry at the time of sampling. Field parameter logs and laboratory analytical reports for surface water samples collected during the February 2023 monitoring event are included 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 event are summarized in Table 4, Summary of Groundwater Elevations – February 2023. 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. A thorough review of historical groundwater elevations and flow directions, including data from older suitability borings from within the waste footprint which have since been properly abandoned, has been completed. As appropriate, this data has been utilized to more accurately represent groundwater flow direction under the waste footprint while remaining consistent with elevations observed in current groundwater monitoring wells during recent monitoring events.

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 – February 2023. The calculated flow velocity was approximately 0.45 feet per day during the February 2023 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, dedicated QED bladder 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) 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:

- $\pm 0.1$  standard units for pH
- $\pm 5\%$  for specific conductance
- $\pm 10\%$  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 Savannah, Georgia 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 February 2023 event are summarized in Table 6A, Summary of Groundwater Analytical Data – February 2023, and Table 6B, Summary of Groundwater Anion and Cation Data – February 2023. Surface water analytical results are presented in Table 7A, Summary of Surface Water Analytical Data – February 2023, and Table 7B, Summary of Surface Water Anion and Cation Data – February 2023. 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 or 20 detection samples in accordance with the GWMP. Equipment blanks (where non-dedicated sampling equipment is used) were collected at a rate of one set per 10 detection samples, while field blanks (where dedicated sampling equipment is used) and duplicate samples were collected at a rate of one set per 20 detection samples. QA/QC sample data were evaluated during data validation and are included in Appendix A.

Groundwater quality data in this report were validated in accordance with US EPA guidance (US EPA, 2011) and the analytical methods. Data validation generally consisted of reviewing sample integrity, holding times, laboratory method blanks, laboratory control samples, matrix spike/matrix spike duplicate recoveries and relative percent differences (RPDs), post digestion spikes, laboratory and field duplicate RPDs, field and equipment blanks, and reporting limits (RLs). 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 6A, 6B, and 7A 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 February 2023 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-2 verification resample plan for the permit-required Appendix I parameters.

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-2 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. 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 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 February 2023 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 identified unverified exceedances for barium in the sample from GWC-17, GWC-19, GWC-34, and GWC-35, nickel in GWC-19, and zinc in GWC-9 and GWC-22. However, these results were not identified as exceedances of the interwell prediction limits by utilizing the two-step approach. Therefore, there were no SSIs identified for Appendix I parameters.

#### 4.3 Statistical Analyses Results for Appendix III Parameters

Analytical data from the monitoring event in February 2023 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 verified SSIs for boron and chloride in GWC-14. Therefore, the exceedances identified during this event include:

- Boron: GWC-14
- Chloride: GWC-14

The boron SSI identified for GWC-14 is consistent with conditions outlined by ASDs completed in April 2018 (ACC, 2018) and August 2022 (ACC, 2022) for GWC-14. The conditions outlined in the April 2018 and August 2022 ASDs are still present. Because SSIs have been addressed by previous ASDs, the Site will remain in detection monitoring.

#### 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 have been addressed by an August 2022 update to the April 2018 ASD, both of which have been approved by EPD, as listed in the table below.

Reference	SSI(s)	Well(s)	Status
Atlantic Coast Consulting, Inc., Alternate Source Demonstration – Plant Wansley CCR Landfill, April 2018, updated August 2022.	boron	GWC-14	Approved October 19, 2022
	chloride	GWC-14	
Atlantic Coast Consulting, Inc., Alternate Source Demonstration – Plant Wansley CCR Landfill, May 2023	barium	GWC-14	Approved June 2, 2023
	boron	GWC-12	

#### 6.0 MONITORING PROGRAM STATUS

The Site is currently in detection monitoring. An SSI of an Appendix III parameter was identified during the previous monitoring event completed in August 2022. An update to the 2022 ASD evaluated the recent boron SSI identified for GWC-12 during the August 2022 monitoring event and is included as Appendix C, Alternate Source Demonstration. EPD provided approval for this ASD on June 2, 2023. In accordance with 40 CFR § 257.94(e) and § 257.95 and Georgia’s Solid Waste Management Rule 391-3-4-.10, the Site will remain in detection monitoring. Verified SSIs for Appendix III parameters during the February 2023 monitoring event were addressed by previous ASDs.

## 7.0 CONCLUSIONS AND FUTURE ACTIONS

This *2023 Semiannual Groundwater Monitoring and Corrective Action Report, Georgia Power Company – Plant Wansley CCR Landfill* was prepared to fulfill the requirements of US EPA’s CCR Rule 257.90(e) and Georgia EPD Rules for Solid Waste Management Chapter 391-3-4-.10.

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, and the Site remains in detection monitoring.

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

## 8.0 REFERENCES

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

US EPA, 2023. Groundwater Sampling – Operating Procedure: LSADPROC-301-R6, Athens, Georgia. 36 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. 13-22, 2023	Status of Monitoring Well
Purpose of Sampling Event:		Semiannual Detection 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	Detection
GWC-13	Downgradient	X	Detection
GWC-14	Downgradient	X	Detection
GWC-15	Downgradient	X	Detection
GWC-16	Downgradient	X	Detection
GWC-17	Downgradient	X	Detection
GWC-18	Downgradient	X	Detection
GWC-19	Downgradient	X	Detection
GWC-20	Downgradient	X	Detection
GWC-21	Downgradient	X	Detection
GWC-22	Downgradient	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	Detection
GWC-32	Downgradient	X	Detection
GWC-33	Downgradient	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.

**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**  
**February 2023**  
**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	20.56	757.46
GWA-2	816.16	43.97	772.19
GWA-3	790.64	24.19	766.45
GWA-4	779.54	22.73	756.81
GWC-5	755.91	13.89	742.02
GWC-6	749.98	15.93	734.05
GWC-7	731.15	7.05	724.10
GWC-8	723.46	7.95	715.51
GWC-9	712.65	6.65	706.00
GWC-10	709.41	10.36	699.05
GWC-11	701.05	5.22	695.83
GWC-12	724.06	27.08	696.98
GWC-13	694.08	5.38	688.70
GWC-14	692.63	8.97	683.66
GWC-15	687.44	5.15	682.29
GWC-16	690.32	9.09	681.23
GWC-17	704.55	19.19	685.36
GWC-18	700.31	11.77	688.54
GWC-19	698.47	5.59	692.88
GWC-20	706.29	4.28	702.01
GWC-21	721.02	12.17	708.85
GWC-22	744.17	24.20	719.97
GWC-23	773.41	35.83	737.58
GWC-24	790.37	42.50	747.87
GWC-25	812.36	51.26	761.10
GWC-26	785.60	31.31	754.29
GWC-27	814.32	43.28	771.04
GWA-28	849.16	24.91	824.25
GWA-29	834.67	40.22	794.45
GWC-30	791.10	25.42	765.68
GWC-31	797.50	29.98	767.52
GWC-32	785.38	24.66	760.72
GWC-33	760.05	13.22	746.83
GWC-34	735.40	3.47	731.93
GWC-35	730.64	6.88	723.76

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 13, 2023.

**Table 5**  
**Horizontal Groundwater Flow Velocity Calculations**  
**February 2023**  
**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<sub>e</sub> = effective porosity

Values Used in Calculation

Value		Source	
K =	4.1E-04 1.16	cm/sec ft/day	See note 1.
dh/dl <sub>1</sub> =	14.79/452 0.033	ft/ft unitless	from GWA-4 to GWC-5
dh/dl <sub>2</sub> =	55.45/1311 0.042	ft/ft unitless	from GWA-1 to GWC-20
dh/dl <sub>3</sub> =	48.09/1172 0.041	ft/ft unitless	from GWA-2 to GWC-7
dh/dl <sub>avg</sub> =	0.039	unitless	Average (i <sub>1</sub> , i <sub>2</sub> , i <sub>3</sub> )
P <sub>e</sub> =	0.10	unitless	See note 1.

Calculation

$$v = \frac{(1.16)(0.039)}{0.10} \quad v = 0.45 \text{ ft/day}$$

Notes

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

**Table 6A**  
**Summary of Groundwater Analytical Data**  
**February 2023**  
**Plant Wansley CCR Landfill**  
**Heard County**

Parameter		GWA-1	GWA-2	GWA-3	GWA-4	GWC-5	GWC-6	GWC-7	GWC-8
		2/14/2023	2/14/2023	2/14/2023	2/14/2023	2/20/2023	2/20/2023	2/21/2023	2/15/2023
<b>Appendix III</b>	<b>Boron</b>	<0.022	<0.022	<0.022	<0.022	<0.022	0.022 J	<0.022	<0.022
	<b>Calcium</b>	0.90	3.1	18	28	30	15	50	23
	<b>Chloride</b>	2.0	3.6	18	9.9	9.4	5.7	35	2.0
	<b>Fluoride</b>	<0.040	<0.040	0.052 J	0.076 J	0.092 J	0.079 J	0.23	0.063 J
	<b>pH</b>	5.56	5.64	5.53	6.20	6.28	5.94	6.50	6.03
	<b>Sulfate</b>	<0.40	2.5	70	9.3	25	9.8	40	14
	<b>TDS</b>	17	43	160	150	200	130	370	130
<b>Required by Permit</b>	<b>Antimony</b>	0.00037 J	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034
	<b>Arsenic</b>	<0.00086	<0.00086	<0.00086	<0.00086	<0.00086	<0.00086	<0.00086	<0.00086
	<b>Barium</b>	0.011	0.011	0.075	0.12	0.026	0.059	0.071	0.027
	<b>Beryllium</b>	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
	<b>Cadmium</b>	0.000090 J	<0.000078	0.00015 J	<0.000078	<0.000078	<0.000078	0.000085 J	<0.000078
	<b>Chromium</b>	<0.0012	<0.0012	<0.0012	<0.0012	0.0017 J	<0.0012	<0.0012	<0.0012
	<b>Cobalt</b>	<0.00022	<0.00022	<0.00022	0.0037	0.0040	0.013	0.00079 J	0.0016 J
	<b>Copper</b>	<0.0011	<0.0011	0.0017 J	<0.0011	<0.0011	<0.0011	<0.0011	0.0014 J
	<b>Lead</b>	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	<0.00021	0.00036 J	<0.00021
	<b>Mercury</b>	<0.000080	<0.000080	<0.000080	<0.000080	<0.000080	<0.000080	<0.000080	<0.000080
	<b>Nickel</b>	0.00071 J	0.00046 J	0.00099 J	0.00071 J	0.0038	0.0057	0.0079	0.0010
	<b>Selenium</b>	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099
	<b>Silver</b>	<0.00039	<0.00039	<0.00039	<0.00039	<0.00039	<0.00039	<0.00039	<0.00039
	<b>Thallium</b>	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026
<b>Vanadium</b>	0.00074 J	<0.00063	<0.00063	0.00074 J	0.0029	<0.00063	0.0029	0.00096 J	
<b>Zinc</b>	0.0048 J	<0.0028	0.017	0.0029 J	0.0033 J	<0.0028	<0.0028	0.0029 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

**Table 6A**  
**Summary of Groundwater Analytical Data**  
**February 2023**  
**Plant Wansley CCR Landfill**  
**Heard County**

Parameter	GWC-9	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14	GWC-15	GWC-16	
	2/15/2023	2/15/2023	2/21/2023	2/15/2023	2/21/2023	2/17/2023	2/21/2023	2/20/2023	
<b>Appendix III</b>	<b>Boron</b>	0.041 J	<0.022	<0.022	0.077 J	<0.022	0.65	0.040 J	<0.022
	<b>Calcium</b>	8.1	15	3.4	55	5.3	23	10	7.5
	<b>Chloride</b>	4.0	4.8	0.80 J	25	1.1	84	3.0	1.4
	<b>Fluoride</b>	0.062 J	0.78	0.061 J	0.13	0.086 J	0.081 J	0.077 J	0.046 J
	<b>pH</b>	5.56	5.76	5.96	6.98	6.62	5.73	7.22	6.08
	<b>Sulfate</b>	9.4	8.5	0.43 J	32	1.8	5.7	1.1	<0.40
	<b>TDS</b>	64	130	40	220	58	260	79	90
<b>Required by Permit</b>	<b>Antimony</b>	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034
	<b>Arsenic</b>	<0.00086	<0.00086	<0.00086	<0.00086	<0.00086	<0.00086	<0.00086	<0.00086
	<b>Barium</b>	0.076	0.017	0.076	0.029	0.0033 J	0.17	0.011	0.018
	<b>Beryllium</b>	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	0.00030 J	<0.00020	<0.00020
	<b>Cadmium</b>	<0.000078	<0.000078	<0.000078	<0.000078	<0.000078	0.00011 J	<0.000078	<0.000078
	<b>Chromium</b>	<0.0012	<0.0012	0.0020	<0.0012	<0.0012	<0.0012	<0.0012	0.0027
	<b>Cobalt</b>	0.022	0.0042	0.00073 J	0.0018 J	<0.00022	0.29	<0.00022	<0.00022
	<b>Copper</b>	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011
	<b>Lead</b>	<0.00021	<0.00021	0.00039 J	<0.00021	0.00037 J	<0.00021	0.00025 J	0.00025 J
	<b>Mercury</b>	<0.000080	<0.000080	<0.000080	<0.000080	<0.000080	<0.000080	<0.000080	<0.000080
	<b>Nickel</b>	0.0088	0.0012	<0.00042	0.00099 J	0.00051 J	0.019	<0.00042	0.00062 J
	<b>Selenium</b>	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099
	<b>Silver</b>	<0.00039	<0.00039	<0.00039	<0.00039	<0.00039	<0.00039	<0.00039	<0.00039
	<b>Thallium</b>	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	0.00044 J	<0.00026	<0.00026
<b>Vanadium</b>	0.00090 J	<0.00063	0.0023	<0.00063	<0.00063	<0.00063	<0.00063	0.0040	
<b>Zinc</b>	0.015	0.0047 J	<0.0028	<0.0028	<0.0028	0.015	<0.0028	<0.0028	

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

**Table 6A**  
**Summary of Groundwater Analytical Data**  
**February 2023**  
**Plant Wansley CCR Landfill**  
**Heard County**

Parameter		GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	GWC-22	GWC-23	GWC-24
		2/20/2023	2/20/2023	2/21/2023	2/22/2023	2/21/2023	2/14/2023	2/21/2023	2/16/2023
<b>Appendix III</b>	<b>Boron</b>	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	0.036 J
	<b>Calcium</b>	13	8.5	11	9.3	5.7	11	4.0	0.19 J
	<b>Chloride</b>	1.2	1.5	1.7	1.7	2.6	1.4	1.7	4.5
	<b>Fluoride</b>	0.046 J	<0.040	<0.040	<0.040	<0.040	0.057 J	<0.040	<0.040
	<b>pH</b>	6.06	5.87	5.73	6.91	5.37	6.56	5.88	5.08
	<b>Sulfate</b>	0.50 J	0.41 J	0.52 J	0.65 J	<0.40	0.54 J	<0.40	0.40 J
	<b>TDS</b>	100	88	79	98	50	110	44	19
<b>Required by Permit</b>	<b>Antimony</b>	<0.00034	<0.00034	<0.00034	0.00052 J	<0.00034	<0.00034	<0.00034	<0.00034
	<b>Arsenic</b>	<0.00086	<0.00086	<0.00086	<0.00086	<0.00086	<0.00086	<0.00086	<0.00086
	<b>Barium</b>	0.025	0.043	0.15	0.032	0.052	0.024	0.0050 J	0.013
	<b>Beryllium</b>	<0.00020	<0.00020	0.00020 J	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
	<b>Cadmium</b>	<0.000078	<0.000078	<0.000078	<0.000078	0.00012 J	0.000090 J	<0.000078	0.000080 J
	<b>Chromium</b>	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012
	<b>Cobalt</b>	<0.00022	<0.00022	0.00053 J	<0.00022	0.0029	<0.00022	<0.00022	0.0019 J
	<b>Copper</b>	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011	<0.0011
	<b>Lead</b>	0.00027 J	0.00025 J	<0.00021	<0.00021	<0.00021	<0.00021	0.00022 J	<0.00021
	<b>Mercury</b>	<0.000080	<0.000080	<0.000080	<0.000080	<0.000080	<0.000080	<0.000080	<0.000080
	<b>Nickel</b>	0.00057 J	0.00050 J	0.0014	<0.00042	<0.00042	<0.00042	0.00062 J	0.0014
	<b>Selenium</b>	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099
	<b>Silver</b>	<0.00039	<0.00039	<0.00039	<0.00039	<0.00039	<0.00039	<0.00039	<0.00039
	<b>Thallium</b>	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026
<b>Vanadium</b>	0.0021	0.0011 J	<0.00063	0.0014 J	<0.00063	0.0050	<0.00063	<0.00063	
<b>Zinc</b>	<0.0028	<0.0028	0.0072	0.0035 J	0.0038 J	0.012	<0.0028	0.0059	

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



**Table 6A**  
**Summary of Groundwater Analytical Data**  
**February 2023**  
**Plant Wansley CCR Landfill**  
**Heard County**

Parameter	GWC-25	GWC-26	GWC-27	GWA-28	GWA-29	GWC-30	GWC-31	GWC-32
	2/21/2023	2/21/2023	2/20/2023	2/14/2023	2/13/2023	2/14/2023	2/22/2023	2/15/2023
Appendix III	Boron	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022	<0.022
	Calcium	7.4	2.0	1.1	3.4	4.7	3.5	8.6
	Chloride	5.9	2.6	0.92 J	1.2	1.0	1.3	1.0
	Fluoride	0.041 J	<0.040	0.16	2.0	1.7	0.091 J	1.3
	pH	5.93	5.58	5.33	6.12	5.64	5.91	6.03
	Sulfate	7.4	<0.40	0.47 J	1.2	4.3	1.0	9.8
	TDS	74	42	34	90	88	53	90
Required by Permit	Antimony	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034	<0.00034
	Arsenic	<0.00086	<0.00086	<0.00086	<0.00086	<0.00086	<0.00086	<0.00086
	Barium	0.026	0.037	0.0098 J	0.0010 J	<0.00089	0.0069 J	0.0030 J
	Beryllium	<0.00020	<0.00020	0.0016 J	0.00044 J	0.0020 J	<0.00020	0.00091 J
	Cadmium	<0.000078	<0.000078	<0.000078	0.000080 J	<0.000078	<0.000078	0.000080 J
	Chromium	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	0.0014 J
	Cobalt	0.0047	<0.00022	0.0023 J	<0.00022	<0.00022	<0.00022	<0.00022
	Copper	<0.0011	<0.0011	<0.0011	<0.0011	0.0048	<0.0011	<0.0011
	Lead	0.00027 J	<0.00021	0.00029 J	<0.00021	<0.00021	<0.00021	0.00025 J
	Mercury	<0.000080	<0.000080	<0.000080	<0.000080	<0.000080	<0.000080	<0.000080
	Nickel	0.0039	0.00078 J	<0.00042	<0.00042	0.00079 J	<0.00042	0.00047 J
	Selenium	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099	<0.00099
	Silver	<0.00039	<0.00039	<0.00039	<0.00039	0.0011	<0.00039	<0.00039
	Thallium	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026	<0.00026
Vanadium	<0.00063	<0.00063	<0.00063	<0.00063	<0.00063	0.00085 J	<0.00063	
Zinc	0.0069	<0.0028	<0.0028	0.014	0.025	<0.0028	0.011	

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

**Table 6A**  
**Summary of Groundwater Analytical Data**  
**February 2023**  
**Plant Wansley CCR Landfill**  
**Heard County**

Parameter		GWC-33	GWC-34	GWC-35
		2/20/2023	2/20/2023	2/20/2023
<b>Appendix III</b>	<b>Boron</b>	0.022 J	<0.022	0.024 J
	<b>Calcium</b>	17	3.6	3.0
	<b>Chloride</b>	1.8	1.1	6.8
	<b>Fluoride</b>	2.4	0.13	<0.040
	<b>pH</b>	6.21	5.96	5.51
	<b>Sulfate</b>	7.5	1.0	2.2
	<b>TDS</b>	87	48	53
<b>Required by Permit</b>	<b>Antimony</b>	<0.00034	<0.00034	<0.00034
	<b>Arsenic</b>	<0.00086	<0.00086	<0.00086
	<b>Barium</b>	0.0056 J	0.015	0.031
	<b>Beryllium</b>	0.00044 J	<0.00020	<0.00020
	<b>Cadmium</b>	<0.000078	0.00014 J	<0.000078
	<b>Chromium</b>	<0.0012	<0.0012	<0.0012
	<b>Cobalt</b>	<0.00022	<0.00022	<0.00022
	<b>Copper</b>	<0.0011	<0.0011	<0.0011
	<b>Lead</b>	0.00027 J	0.00026 J	<0.00021
	<b>Mercury</b>	<0.000080	<0.000080	<0.000080
	<b>Nickel</b>	<0.00042	0.00077 J	0.0012
	<b>Selenium</b>	<0.00099	<0.00099	<0.00099
	<b>Silver</b>	<0.00039	<0.00039	<0.00039
	<b>Thallium</b>	<0.00026	<0.00026	<0.00026
	<b>Vanadium</b>	<0.00063	<0.00063	<0.00063
<b>Zinc</b>	0.0038 J	<0.0028	<0.0028	

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

**Table 6B**  
**Summary of Groundwater Anion and Cation Data**  
**February 2023**  
**Plant Wansley CCR Landfill**  
**Heard County**

Substance		GWA-1	GWA-2	GWA-3	GWA-4	GWC-5	GWC-6	GWC-7	GWC-8
		2/14/2023	2/14/2023	2/14/2023	2/14/2023	2/20/2023	2/20/2023	2/21/2023	2/15/2023
<b>Anions</b>	<b>Alkalinity</b>	7.9	12	27	97	120	83	270	150
	<b>Bicarbonate Alkalinity</b>	7.9	12	27	97	120	83	270	150
	<b>Carbonate Alkalinity</b>	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<b>Chloride</b>	2.0	3.6	18	9.9	9.4	5.7	35	2.0
	<b>Sulfate</b>	<0.40	2.5	70	9.3	25	9.8	40	14
<b>Cations</b>	<b>Calcium</b>	0.90	3.1	18	28	30	15	50	23
	<b>Magnesium</b>	0.79	2.3	13	5.7	15	11	44	10
	<b>Potassium</b>	1.2	1.7	4.6	3.1	1.2	1.5	1.1	2.1
	<b>Sodium</b>	1.7	2.3	11	10	11	8.5	36	5.5
<b>Total Dissolved Solids</b>		17	43	160	150	200	130	370	130

Notes:

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

**Table 6B**  
**Summary of Groundwater Anion and Cation Data**  
**February 2023**  
**Plant Wansley CCR Landfill**  
**Heard County**

Substance		GWC-9	GWC-10	GWC-11	GWC-12	GWC-13	GWC-14	GWC-15	GWC-16
		2/15/2023	2/15/2023	2/21/2023	2/15/2023	2/21/2023	2/17/2023	2/21/2023	2/20/2023
<b>Anions</b>	<b>Alkalinity</b>	420	12	40	37	31	110	49	54
	<b>Bicarbonate Alkalinity</b>	420	12	40	37	31	110	49	54
	<b>Carbonate Alkalinity</b>	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<b>Chloride</b>	4.0	4.8	0.80 J	25	1.1	84	3.0	1.4
	<b>Sulfate</b>	9.4	8.5	0.43 J	32	1.8	5.7	1.1	<0.40
<b>Cations</b>	<b>Calcium</b>	8.1	15	3.4	55	5.3	23	10	7.5
	<b>Magnesium</b>	4.6	5.3	1.5	8.2	1.8	22	2.8	3.8
	<b>Potassium</b>	3.1	1.7	1.8	4.6	1.9	3.9	2.2	0.79
	<b>Sodium</b>	2.6	14	1.1	13	7.6	4.3	10	9.0
<b>Total Dissolved Solids</b>		64	130	40	220	58	260	79	90

Notes:

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

**Table 6B**  
**Summary of Groundwater Anion and Cation Data**  
**February 2023**  
**Plant Wansley CCR Landfill**  
**Heard County**

Substance		GWC-17	GWC-18	GWC-19	GWC-20	GWC-21	GWC-22	GWC-23	GWC-24
		2/20/2023	2/20/2023	2/21/2023	2/22/2023	2/21/2023	2/14/2023	2/21/2023	2/16/2023
<b>Anions</b>	<b>Alkalinity</b>	73	57	47	60	31	7.9	25	<5.0
	<b>Bicarbonate Alkalinity</b>	73	57	47	60	31	7.9	25	<5.0
	<b>Carbonate Alkalinity</b>	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<b>Chloride</b>	1.2	1.5	1.7	1.7	2.6	1.4	1.7	4.5
	<b>Sulfate</b>	0.50 J	0.41 J	0.52 J	0.65 J	<0.40	0.54 J	<0.40	0.40 J
<b>Cations</b>	<b>Calcium</b>	13	8.5	11	9.3	5.7	11	4.0	0.19 J
	<b>Magnesium</b>	5.8	3.5	4.0	4.1	1.7	5.3	1.6	0.48 J
	<b>Potassium</b>	1.3	1.2	1.1	1.4	0.53	0.93	1.5	0.67
	<b>Sodium</b>	13	9.8	4.0	9.1	4.8	9.7	4.5	4.9
<b>Total Dissolved Solids</b>		100	88	79	98	50	110	44	19

Notes:

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

**Table 6B**  
**Summary of Groundwater Anion and Cation Data**  
**February 2023**  
**Plant Wansley CCR Landfill**  
**Heard County**

Substance		GWC-25	GWC-26	GWC-27	GWA-28	GWA-29	GWC-30	GWC-31	GWC-32
		2/21/2023	2/21/2023	2/20/2023	2/14/2023	2/13/2023	2/14/2023	2/22/2023	2/15/2023
<b>Anions</b>	<b>Alkalinity</b>	26	16	15	790	37	590	37	27
	<b>Bicarbonate Alkalinity</b>	26	16	15	790	37	590	37	27
	<b>Carbonate Alkalinity</b>	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0	<5.0
	<b>Chloride</b>	5.9	2.6	0.92 J	1.2	1.0	1.3	1.0	1.2
	<b>Sulfate</b>	7.4	<0.40	0.47 J	1.2	4.3	1.0	9.8	8.3
<b>Cations</b>	<b>Calcium</b>	7.4	2.0	1.1	3.4	4.7	3.5	8.6	6.8
	<b>Magnesium</b>	4.0	1.9	0.37 J	1.1	1.7	1.3	1.9	3.5
	<b>Potassium</b>	2.3	2.2	4.0	0.82	1.1	1.7	1.4	1.9
	<b>Sodium</b>	5.3	3.6	2.6	11	13	5.8	10	12
<b>Total Dissolved Solids</b>		74	42	34	90	88	53	90	79

Notes:

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

**Table 6B**  
**Summary of Groundwater Anion and Cation Data**  
**February 2023**  
**Plant Wansley CCR Landfill**  
**Heard County**

Substance		GWC-33	GWC-34	GWC-35
		2/20/2023	2/20/2023	2/20/2023
<b>Anions</b>	<b>Alkalinity</b>	52	24	13
	<b>Bicarbonate Alkalinity</b>	52	24	13
	<b>Carbonate Alkalinity</b>	<5.0	<5.0	<5.0
	<b>Chloride</b>	1.8	1.1	6.8
	<b>Sulfate</b>	7.5	1.0	2.2
<b>Cations</b>	<b>Calcium</b>	17	3.6	3.0
	<b>Magnesium</b>	2.1	1.6	2.8
	<b>Potassium</b>	2.8	2.1	2.0
	<b>Sodium</b>	9.7	5.2	4.1
<b>Total Dissolved Solids</b>		87	48	53

Notes:

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

**Table 7A**  
**Summary of Surface Water Analytical Data**  
**February 2023**  
**Plant Wansley CCR Landfill**  
**Heard County**

Parameter		SWA-1	SWA-6	SWC-5	SWC-7
		2/22/2023	2/22/2023	2/22/2023	2/22/2023
<b>Appendix III</b>	<b>Boron</b>	<0.022	0.064 J	0.25	0.091
	<b>Calcium</b>	2.8	6.3	17	7.4
	<b>Chloride</b>	2.5	5.4	21	6.0
	<b>Fluoride</b>	0.048 J	0.069 J	0.077 J	0.070 J
	<b>pH</b>	7.17	6.92	6.19	7.03
	<b>Sulfate</b>	1.9	9.3	13	11
	<b>TDS</b>	35	51	140	60
<b>Required by Permit</b>	<b>Antimony</b>	<0.00034	<0.00034	<0.00034	<0.00034
	<b>Arsenic</b>	<0.00086	<0.00086	<0.00086	<0.00086
	<b>Barium</b>	0.019	0.025	0.082	0.026
	<b>Beryllium</b>	<0.00020	<0.00020	<0.00020	<0.00020
	<b>Cadmium</b>	<0.000078	<0.000078	<0.000078	<0.000078
	<b>Chromium</b>	<0.0012	<0.0012	0.0012 J	<0.0012
	<b>Cobalt</b>	<0.00022	0.00051 J	0.0065	0.00053 J
	<b>Copper</b>	<0.0011	<0.0011	<0.0011	<0.0011
	<b>Lead</b>	<0.00021	<0.00021	0.00046 J	<0.00021
	<b>Mercury</b>	<0.000080	<0.000080	<0.000080	<0.000080
	<b>Nickel</b>	<0.00042	0.00067 J	0.0036	0.00071 J
	<b>Selenium</b>	<0.00099	<0.00099	<0.00099	<0.00099
	<b>Silver</b>	<0.00039	<0.00039	<0.00039	<0.00039
	<b>Thallium</b>	<0.00026	<0.00026	<0.00026	<0.00026
	<b>Vanadium</b>	<0.00063	<0.00063	0.0014 J	<0.00063
<b>Zinc</b>	0.0029 J	0.0056	0.0047 J	0.0049 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 refer to 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 7B**  
**Summary of Surface Water Anion and Cation Data**  
**February 2023**  
**Plant Wansley CCR Landfill**  
**Heard County**

Parameter		SWA-1	SWA-6	SWC-5	SWC-7
		2/22/2023	2/22/2023	2/22/2023	2/22/2023
<b>Anions</b>	<b>Alkalinity</b>	13	25	55	21
	<b>Bicarbonate Alkalinity</b>	13	25	55	21
	<b>Carbonate Alkalinity</b>	<5.0	<5.0	<5.0	<5.0
	<b>Chloride</b>	2.5	5.4	21	6.0
	<b>Sulfate</b>	1.9	9.3	13	11
<b>Cations</b>	<b>Calcium</b>	2.8	6.3	17	7.4
	<b>Magnesium</b>	1.1	2.0	9.0	2.5
	<b>Potassium</b>	1.5	1.8	2.3	1.8
	<b>Sodium</b>	2.9	3.6	8.2	3.9
<b>Total Dissolved Solids</b>		35	51	140	60

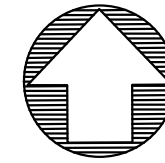
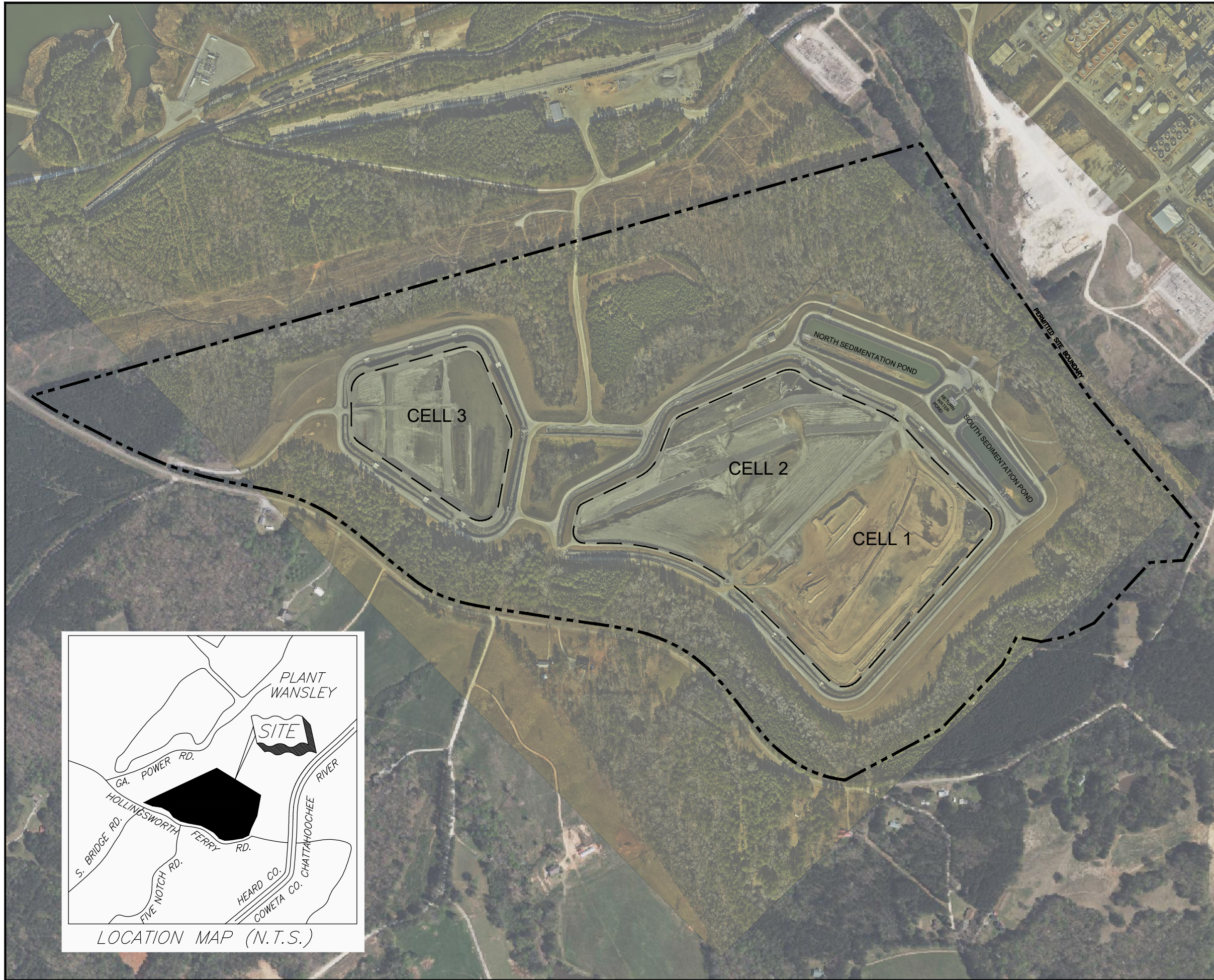
Notes:

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).

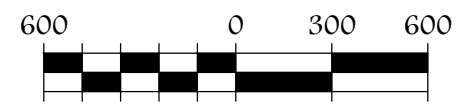
**Table 8  
Statistical Method Summary  
Plant Wansley CCR Landfill  
Heard County**

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



ATLANTIC COAST  
CONSULTING, INC.

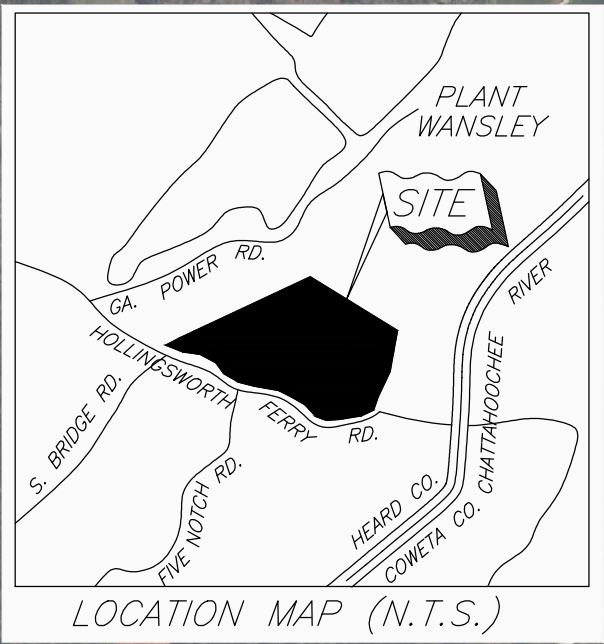


SCALE (IN FEET)

### LEGEND:

EXISTING	DESCRIPTION
	APPROXIMATE PROPERTY BOUNDARY
	APPROXIMATE LANDFILL/CELL BOUNDARY

NOTE:  
1. AERIAL DATED JANUARY 2023 FROM SAM, LLC.  
ADDITIONAL PHOTOGRAPHY DATED 2022 FROM  
MICROSOFT CORPORATION, MAXAR, CNES,  
DISTRIBUTION AIRBUS DS.



#### PROJECT



GEORGIA POWER COMPANY  
PLANT WANSLEY LANDFILL

2023 SEMIANNUAL GROUNDWATER MONITORING  
AND CORRECTIVE ACTION REPORT

#### SITE MAP

PROJECT NO. I054-118

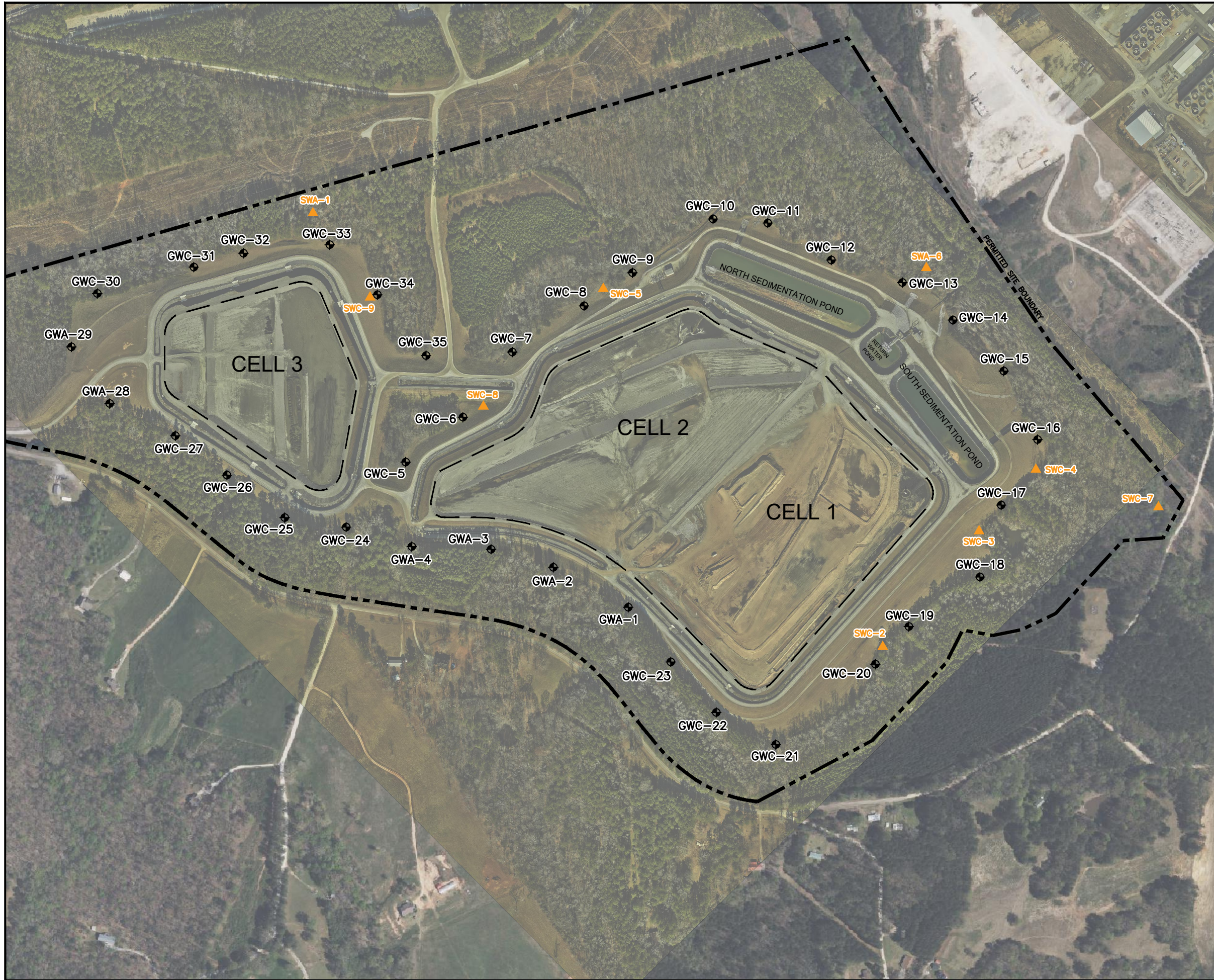
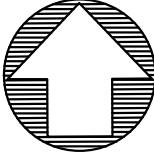

August 2023

DRAWN BY: MM

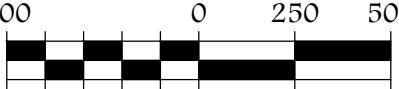
FIGURE:

CHECKED BY: RW

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ATLANTIC COAST CONSULTING, INC.



SCALE (IN FEET)


**LEGEND:**

EXISTING	DESCRIPTION
	APPROXIMATE PROPERTY BOUNDARY
	APPROXIMATE LANDFILL/CELL BOUNDARY
	MONITORING WELL
	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 JANUARY 2023 FROM SAM, LLC. ADDITIONAL PHOTOGRAPHY DATED 2022 FROM MICROSOFT CORPORATION, MAXAR, CNES, DISTRIBUTION AIRBUS DS.

PROJECT

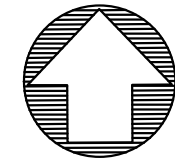
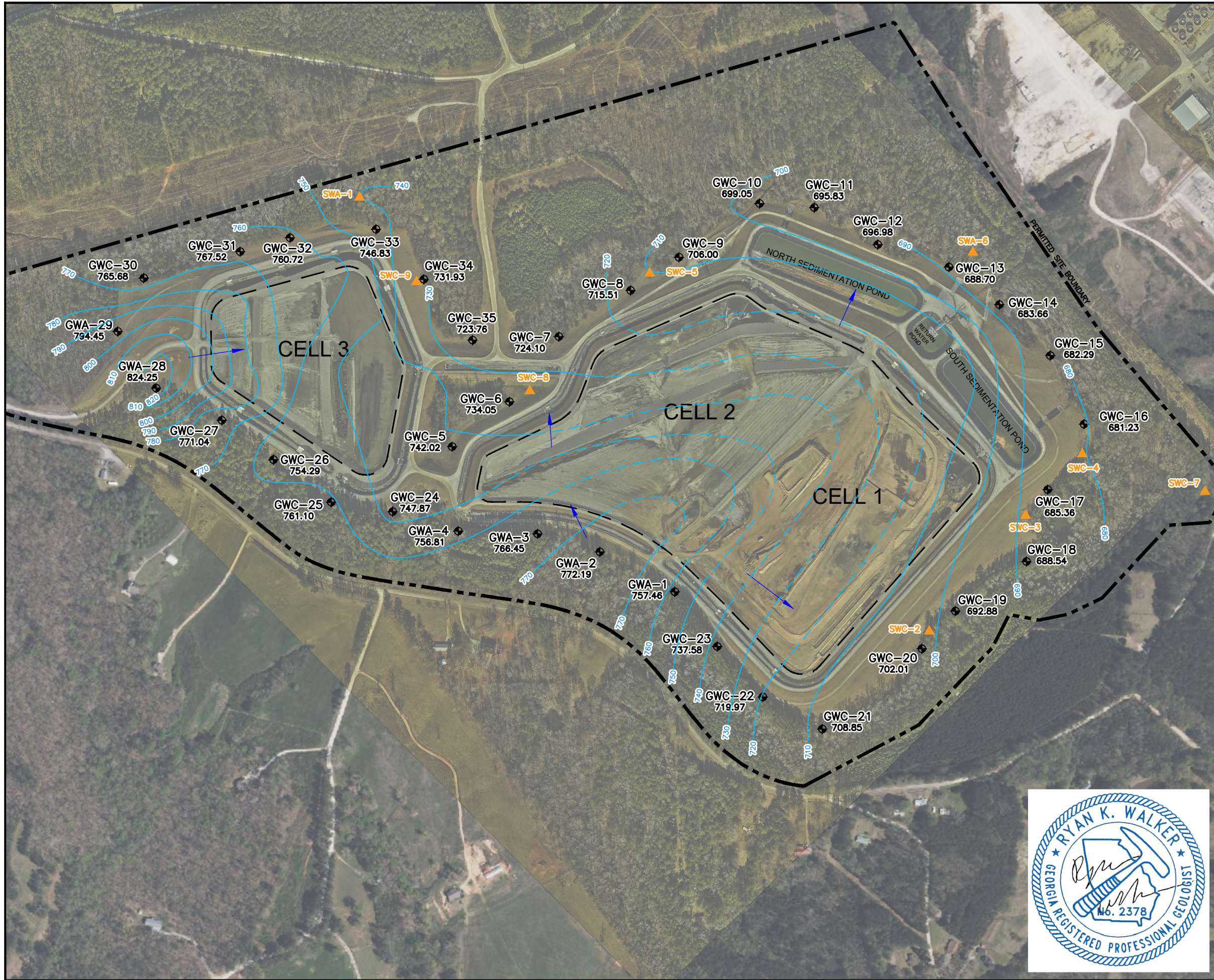


GEORGIA POWER COMPANY  
PLANT WANSLEY LANDFILL

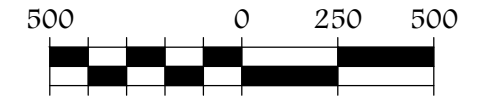
2023 SEMIANNUAL GROUNDWATER MONITORING  
AND CORRECTIVE ACTION REPORT

**WELL LOCATION MAP**

PROJECT NO. I054-118		August 2023
DRAWN BY:	MM	FIGURE:  <b>2</b>
CHECKED BY:	RW	



ATLANTIC COAST  
CONSULTING, INC.



SCALE (IN FEET)

### LEGEND:

EXISTING	DESCRIPTION
	APPROXIMATE PROPERTY BOUNDARY
	APPROXIMATE LANDFILL/CELL BOUNDARY
	MONITORING WELL
	GROUNDWATER ELEVATION
	SURFACE WATER MONITORING POINT
	GROUNDWATER ELEVATION CONTOUR (DASHED WHERE INFERRED)
	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 JANUARY 2023 FROM SAM, LLC. ADDITIONAL PHOTOGRAPHY DATED 2022 FROM MICROSOFT CORPORATION, MAXAR, CNES, DISTRIBUTION AIRBUS DS.
3. GROUNDWATER ELEVATIONS MEASURED ON FEBRUARY 13, 2023.
4. INFERRED GROUNDWATER ELEVATION CONTOURS OVER CELLS 1 & 2 ARE DERIVED FROM FIGURE 3-3 OF THE SITE ACCEPTABILITY REPORT, REVISION 1, DATED OCTOBER 2007.

#### PROJECT



GEORGIA POWER COMPANY  
PLANT WANSLEY LANDFILL

2023 SEMIANNUAL GROUNDWATER MONITORING  
AND CORRECTIVE ACTION REPORT

### POTENTIOMETRIC CONTOUR MAP FEBRUARY 2023

PROJECT NO. I054-118

August 2023

DRAWN BY: MM

FIGURE:

CHECKED BY: RW

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## **APPENDICES**

**APPENDIX A**

**LABORATORY ANALYTICAL AND FIELD SAMPLING  
REPORTS**



## APPENDIX A

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*Laboratory Analytical Reports  
February 2023 Monitoring Event*



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Robert (Trey) Singleton  
Southern Company  
3535 Colonnade Parkway  
Bin S 530 EC  
Birmingham, Alabama 35243

Generated 2/23/2023 6:36:34 PM

## JOB DESCRIPTION

Plant Wansley Landfill

## JOB NUMBER

680-230703-1

# Eurofins Savannah

## Job Notes

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

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

## Authorization



Authorized for release by  
David Fuller, Project Manager  
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(770)344-8986

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2/23/2023 6:36:34 PM

# Definitions/Glossary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

## 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
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD 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.

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

# Sample Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-230703-1	WAN-GWA-29	Water	02/13/23 16:44	02/17/23 07:47
680-230703-2	WAN-GWA-1	Water	02/14/23 14:15	02/17/23 07:47
680-230703-3	WAN-GWA-2	Water	02/14/23 13:00	02/17/23 07:47
680-230703-4	WAN-GWA-3	Water	02/14/23 11:47	02/17/23 07:47
680-230703-5	WAN-GWA-4	Water	02/14/23 13:05	02/17/23 07:47
680-230703-6	WAN-GWA-28	Water	02/14/23 14:05	02/17/23 07:47
680-230703-7	WAN-GWC-22	Water	02/14/23 16:45	02/17/23 07:47
680-230703-8	WAN-GWC-30	Water	02/14/23 16:05	02/17/23 07:47
680-230703-9	WAN-GWC-10	Water	02/15/23 09:25	02/17/23 07:47
680-230703-10	WAN-GWC-12	Water	02/15/23 11:35	02/17/23 07:47
680-230703-11	WAN-LF-EB-04	Water	02/15/23 11:25	02/17/23 07:47
680-230703-12	WAN-GWC-32	Water	02/15/23 11:08	02/17/23 07:47
680-230703-13	WAN-GWC-8	Water	02/15/23 14:55	02/17/23 07:47
680-230703-14	WAN-GWC-9	Water	02/15/23 16:35	02/17/23 07:47

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# Case Narrative

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

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**Job ID: 680-230703-1**

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**Laboratory: Eurofins Savannah**

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## Narrative

### Job Narrative 680-230703-1

#### Receipt

The samples were received on 2/17/2023 7:47 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 0.3°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

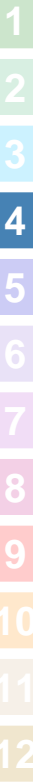
Method 2540C: A lesser volume of sample was used for the following samples due to the nature of the sample matrix resulting in elevated reporting limits: WAN-GWA-3, WAN-GWA-4 and WAN-GWC-12.

Method 2540C: The sample duplicate precision for the following sample associated with analytical batch 680-764123 was outside control limits: (680-230640-AD-1 DU). The associated Laboratory Control Sample / Laboratory Control Sample Duplicate (LCS/LCSD) precision met acceptance criteria.

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

#### Field Service / Mobile Lab

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



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

**Client Sample ID: WAN-GWA-29**

**Lab Sample ID: 680-230703-1**

Date Collected: 02/13/23 16:44

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.0		1.0	0.20	mg/L			02/20/23 18:58	1
Fluoride	1.7		0.10	0.040	mg/L			02/20/23 18:58	1
Sulfate	4.3		1.0	0.40	mg/L			02/20/23 18:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/20/23 11:24	02/21/23 11:50	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/23 11:24	02/21/23 11:50	1
Barium	<0.00089		0.010	0.00089	mg/L		02/20/23 11:24	02/21/23 11:50	1
Beryllium	0.0020	J	0.0025	0.00020	mg/L		02/20/23 11:24	02/21/23 11:50	1
Boron	<0.022		0.080	0.022	mg/L		02/20/23 11:24	02/22/23 14:51	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/23 11:24	02/21/23 11:50	1
Calcium	4.7		0.50	0.14	mg/L		02/20/23 11:24	02/21/23 11:50	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/23 11:24	02/21/23 11:50	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/20/23 11:24	02/21/23 11:50	1
Copper	0.0048		0.0020	0.0011	mg/L		02/20/23 11:24	02/21/23 11:50	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/23 11:24	02/21/23 11:50	1
Nickel	0.00079	J	0.0010	0.00042	mg/L		02/20/23 11:24	02/21/23 11:50	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/23 11:24	02/21/23 11:50	1
Silver	0.0011		0.0010	0.00039	mg/L		02/20/23 11:24	02/21/23 11:50	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/23 11:24	02/21/23 11:50	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/20/23 11:24	02/21/23 11:50	1
Zinc	0.025		0.0050	0.0028	mg/L		02/20/23 11:24	02/21/23 11:50	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/23 16:23	02/22/23 17:32	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	88		10	10	mg/L			02/20/23 12:27	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.64				SU			02/13/23 16:44	1

**Client Sample ID: WAN-GWA-1**

**Lab Sample ID: 680-230703-2**

Date Collected: 02/14/23 14:15

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.0		1.0	0.20	mg/L			02/20/23 19:12	1
Fluoride	<0.040		0.10	0.040	mg/L			02/20/23 19:12	1
Sulfate	<0.40		1.0	0.40	mg/L			02/20/23 19:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00037	J	0.0020	0.00034	mg/L		02/20/23 09:23	02/20/23 17:29	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/23 09:23	02/20/23 17:29	1

Eurofins Savannah

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

**Client Sample ID: WAN-GWA-1**

**Lab Sample ID: 680-230703-2**

Date Collected: 02/14/23 14:15

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Barium</b>	<b>0.011</b>		0.010	0.00089	mg/L		02/20/23 09:23	02/20/23 17:29	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/23 09:23	02/20/23 17:29	1
Boron	<0.022		0.080	0.022	mg/L		02/20/23 09:23	02/20/23 17:29	1
<b>Cadmium</b>	<b>0.000090</b>	<b>J</b>	0.0025	0.000078	mg/L		02/20/23 09:23	02/20/23 17:29	1
<b>Calcium</b>	<b>0.90</b>		0.50	0.14	mg/L		02/20/23 09:23	02/20/23 17:29	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/23 09:23	02/20/23 17:29	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/20/23 09:23	02/20/23 17:29	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/20/23 09:23	02/20/23 17:29	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/23 09:23	02/20/23 17:29	1
<b>Nickel</b>	<b>0.00071</b>	<b>J</b>	0.0010	0.00042	mg/L		02/20/23 09:23	02/20/23 17:29	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/23 09:23	02/20/23 17:29	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/20/23 09:23	02/20/23 17:29	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/23 09:23	02/20/23 17:29	1
<b>Vanadium</b>	<b>0.00074</b>	<b>J</b>	0.0020	0.00063	mg/L		02/20/23 09:23	02/20/23 17:29	1
<b>Zinc</b>	<b>0.0048</b>	<b>J</b>	0.0050	0.0028	mg/L		02/20/23 09:23	02/20/23 17:29	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/20/23 13:19	02/21/23 11:38	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C-2011)</b>	<b>17</b>		10	10	mg/L			02/20/23 12:27	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Field pH</b>	<b>5.56</b>				SU			02/14/23 14:15	1

**Client Sample ID: WAN-GWA-2**

**Lab Sample ID: 680-230703-3**

Date Collected: 02/14/23 13:00

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>3.6</b>		1.0	0.20	mg/L			02/20/23 19:25	1
Fluoride	<0.040		0.10	0.040	mg/L			02/20/23 19:25	1
<b>Sulfate</b>	<b>2.5</b>		1.0	0.40	mg/L			02/20/23 19:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/20/23 09:23	02/20/23 17:54	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/23 09:23	02/20/23 17:54	1
<b>Barium</b>	<b>0.011</b>		0.010	0.00089	mg/L		02/20/23 09:23	02/20/23 17:54	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/23 09:23	02/20/23 17:54	1
Boron	<0.022		0.080	0.022	mg/L		02/20/23 09:23	02/20/23 17:54	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/23 09:23	02/20/23 17:54	1
<b>Calcium</b>	<b>3.1</b>		0.50	0.14	mg/L		02/20/23 09:23	02/20/23 17:54	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/23 09:23	02/20/23 17:54	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/20/23 09:23	02/20/23 17:54	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/20/23 09:23	02/20/23 17:54	1

Eurofins Savannah



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

**Client Sample ID: WAN-GWA-2**

**Lab Sample ID: 680-230703-3**

Date Collected: 02/14/23 13:00

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/23 09:23	02/20/23 17:54	1
<b>Nickel</b>	<b>0.00046</b>	<b>J</b>	0.0010	0.00042	mg/L		02/20/23 09:23	02/20/23 17:54	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/23 09:23	02/20/23 17:54	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/20/23 09:23	02/20/23 17:54	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/23 09:23	02/20/23 17:54	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/20/23 09:23	02/20/23 17:54	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/20/23 09:23	02/20/23 17:54	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/20/23 13:19	02/21/23 11:48	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C-2011)</b>	<b>43</b>		10	10	mg/L			02/20/23 12:27	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Field pH</b>	<b>5.64</b>				SU			02/14/23 13:00	1

**Client Sample ID: WAN-GWA-3**

**Lab Sample ID: 680-230703-4**

Date Collected: 02/14/23 11:47

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>18</b>		1.0	0.20	mg/L			02/20/23 19:38	1
<b>Fluoride</b>	<b>0.052</b>	<b>J</b>	0.10	0.040	mg/L			02/20/23 19:38	1
<b>Sulfate</b>	<b>70</b>		1.0	0.40	mg/L			02/20/23 19:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/20/23 09:23	02/20/23 17:09	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/23 09:23	02/20/23 17:09	1
<b>Barium</b>	<b>0.075</b>		0.010	0.00089	mg/L		02/20/23 09:23	02/20/23 17:09	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/23 09:23	02/20/23 17:09	1
Boron	<0.022		0.080	0.022	mg/L		02/20/23 09:23	02/20/23 17:09	1
<b>Cadmium</b>	<b>0.00015</b>	<b>J</b>	0.0025	0.000078	mg/L		02/20/23 09:23	02/20/23 17:09	1
<b>Calcium</b>	<b>18</b>		0.50	0.14	mg/L		02/20/23 09:23	02/20/23 17:09	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/23 09:23	02/20/23 17:09	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/20/23 09:23	02/20/23 17:09	1
<b>Copper</b>	<b>0.0017</b>	<b>J</b>	0.0020	0.0011	mg/L		02/20/23 09:23	02/20/23 17:09	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/23 09:23	02/20/23 17:09	1
<b>Nickel</b>	<b>0.00099</b>	<b>J</b>	0.0010	0.00042	mg/L		02/20/23 09:23	02/20/23 17:09	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/23 09:23	02/20/23 17:09	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/20/23 09:23	02/20/23 17:09	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/23 09:23	02/20/23 17:09	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/20/23 09:23	02/20/23 17:09	1
<b>Zinc</b>	<b>0.017</b>		0.0050	0.0028	mg/L		02/20/23 09:23	02/20/23 17:09	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

**Client Sample ID: WAN-GWA-3**

**Lab Sample ID: 680-230703-4**

Date Collected: 02/14/23 11:47

Matrix: Water

Date Received: 02/17/23 07:47

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/20/23 13:19	02/21/23 11:51	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	160		40	40	mg/L			02/20/23 12:27	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.53				SU			02/14/23 11:47	1

**Client Sample ID: WAN-GWA-4**

**Lab Sample ID: 680-230703-5**

Date Collected: 02/14/23 13:05

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.9		1.0	0.20	mg/L			02/20/23 20:17	1
Fluoride	0.076	J	0.10	0.040	mg/L			02/20/23 20:17	1
Sulfate	9.3		1.0	0.40	mg/L			02/20/23 20:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/20/23 09:23	02/20/23 17:17	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/23 09:23	02/20/23 17:17	1
Barium	0.12		0.010	0.00089	mg/L		02/20/23 09:23	02/20/23 17:17	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/23 09:23	02/20/23 17:17	1
Boron	<0.022		0.080	0.022	mg/L		02/20/23 09:23	02/20/23 17:17	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/23 09:23	02/20/23 17:17	1
Calcium	28		0.50	0.14	mg/L		02/20/23 09:23	02/20/23 17:17	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/23 09:23	02/20/23 17:17	1
Cobalt	0.0037		0.0025	0.00022	mg/L		02/20/23 09:23	02/20/23 17:17	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/20/23 09:23	02/20/23 17:17	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/23 09:23	02/20/23 17:17	1
Nickel	0.00071	J	0.0010	0.00042	mg/L		02/20/23 09:23	02/20/23 17:17	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/23 09:23	02/20/23 17:17	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/20/23 09:23	02/20/23 17:17	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/23 09:23	02/20/23 17:17	1
Vanadium	0.00074	J	0.0020	0.00063	mg/L		02/20/23 09:23	02/20/23 17:17	1
Zinc	0.0029	J	0.0050	0.0028	mg/L		02/20/23 09:23	02/20/23 17:17	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/20/23 13:19	02/21/23 11:55	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	150		40	40	mg/L			02/20/23 12:27	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

**Client Sample ID: WAN-GWA-4**

**Lab Sample ID: 680-230703-5**

Date Collected: 02/14/23 13:05

Matrix: Water

Date Received: 02/17/23 07:47

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.20				SU			02/14/23 13:05	1

**Client Sample ID: WAN-GWA-28**

**Lab Sample ID: 680-230703-6**

Date Collected: 02/14/23 14:05

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.2		1.0	0.20	mg/L			02/20/23 20:57	1
Fluoride	2.0		0.10	0.040	mg/L			02/20/23 20:57	1
Sulfate	1.2		1.0	0.40	mg/L			02/20/23 20:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/20/23 09:23	02/20/23 17:25	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/23 09:23	02/20/23 17:25	1
Barium	0.0010	J	0.010	0.00089	mg/L		02/20/23 09:23	02/20/23 17:25	1
Beryllium	0.00044	J	0.0025	0.00020	mg/L		02/20/23 09:23	02/20/23 17:25	1
Boron	<0.022		0.080	0.022	mg/L		02/20/23 09:23	02/20/23 17:25	1
Cadmium	0.000080	J	0.0025	0.000078	mg/L		02/20/23 09:23	02/20/23 17:25	1
Calcium	3.4		0.50	0.14	mg/L		02/20/23 09:23	02/20/23 17:25	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/23 09:23	02/20/23 17:25	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/20/23 09:23	02/20/23 17:25	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/20/23 09:23	02/20/23 17:25	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/23 09:23	02/20/23 17:25	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/20/23 09:23	02/20/23 17:25	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/23 09:23	02/20/23 17:25	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/20/23 09:23	02/20/23 17:25	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/23 09:23	02/20/23 17:25	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/20/23 09:23	02/20/23 17:25	1
Zinc	0.014		0.0050	0.0028	mg/L		02/20/23 09:23	02/20/23 17:25	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/20/23 13:19	02/21/23 11:58	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	90		10	10	mg/L			02/20/23 12:27	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.12				SU			02/14/23 14:05	1

**Client Sample ID: WAN-GWC-22**

**Lab Sample ID: 680-230703-7**

Date Collected: 02/14/23 16:45

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.4		1.0	0.20	mg/L			02/20/23 21:10	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

**Client Sample ID: WAN-GWC-22**

**Lab Sample ID: 680-230703-7**

Date Collected: 02/14/23 16:45

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.057	J	0.10	0.040	mg/L			02/20/23 21:10	1
Sulfate	0.54	J	1.0	0.40	mg/L			02/20/23 21:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/20/23 09:23	02/20/23 17:42	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/23 09:23	02/20/23 17:42	1
Barium	0.024		0.010	0.00089	mg/L		02/20/23 09:23	02/20/23 17:42	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/23 09:23	02/20/23 17:42	1
Boron	<0.022		0.080	0.022	mg/L		02/20/23 09:23	02/20/23 17:42	1
Cadmium	0.000090	J	0.0025	0.000078	mg/L		02/20/23 09:23	02/20/23 17:42	1
Calcium	11		0.50	0.14	mg/L		02/20/23 09:23	02/20/23 17:42	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/23 09:23	02/20/23 17:42	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/20/23 09:23	02/20/23 17:42	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/20/23 09:23	02/20/23 17:42	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/23 09:23	02/20/23 17:42	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/20/23 09:23	02/20/23 17:42	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/23 09:23	02/20/23 17:42	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/20/23 09:23	02/20/23 17:42	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/23 09:23	02/20/23 17:42	1
Vanadium	0.0050		0.0020	0.00063	mg/L		02/20/23 09:23	02/20/23 17:42	1
Zinc	0.012		0.0050	0.0028	mg/L		02/20/23 09:23	02/20/23 17:42	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/20/23 13:19	02/21/23 12:22	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	110		10	10	mg/L			02/20/23 12:27	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.56				SU			02/14/23 16:45	1

**Client Sample ID: WAN-GWC-30**

**Lab Sample ID: 680-230703-8**

Date Collected: 02/14/23 16:05

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.3		1.0	0.20	mg/L			02/20/23 21:23	1
Fluoride	0.091	J	0.10	0.040	mg/L			02/20/23 21:23	1
Sulfate	1.0		1.0	0.40	mg/L			02/20/23 21:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/20/23 11:24	02/21/23 11:29	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/23 11:24	02/21/23 11:29	1
Barium	0.0069	J	0.010	0.00089	mg/L		02/20/23 11:24	02/21/23 11:29	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

**Client Sample ID: WAN-GWC-30**

**Lab Sample ID: 680-230703-8**

Date Collected: 02/14/23 16:05

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/23 11:24	02/21/23 11:29	1
Boron	<0.022		0.080	0.022	mg/L		02/20/23 11:24	02/22/23 14:31	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/23 11:24	02/21/23 11:29	1
<b>Calcium</b>	<b>3.5</b>		0.50	0.14	mg/L		02/20/23 11:24	02/21/23 11:29	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/23 11:24	02/21/23 11:29	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/20/23 11:24	02/21/23 11:29	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/20/23 11:24	02/21/23 11:29	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/23 11:24	02/21/23 11:29	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/20/23 11:24	02/21/23 11:29	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/23 11:24	02/21/23 11:29	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/20/23 11:24	02/21/23 11:29	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/23 11:24	02/21/23 11:29	1
<b>Vanadium</b>	<b>0.00085</b>	<b>J</b>	0.0020	0.00063	mg/L		02/20/23 11:24	02/21/23 11:29	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/20/23 11:24	02/21/23 11:29	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/23 16:23	02/22/23 17:56	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C-2011)</b>	<b>53</b>		10	10	mg/L			02/20/23 12:27	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Field pH</b>	<b>5.91</b>				SU			02/14/23 16:05	1

**Client Sample ID: WAN-GWC-10**

**Lab Sample ID: 680-230703-9**

Date Collected: 02/15/23 09:25

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>4.8</b>		1.0	0.20	mg/L			02/20/23 21:36	1
<b>Fluoride</b>	<b>0.78</b>		0.10	0.040	mg/L			02/20/23 21:36	1
<b>Sulfate</b>	<b>8.5</b>		1.0	0.40	mg/L			02/20/23 21:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/20/23 09:23	02/20/23 17:50	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/23 09:23	02/20/23 17:50	1
<b>Barium</b>	<b>0.017</b>		0.010	0.00089	mg/L		02/20/23 09:23	02/20/23 17:50	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/23 09:23	02/20/23 17:50	1
Boron	<0.022		0.080	0.022	mg/L		02/20/23 09:23	02/20/23 17:50	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/23 09:23	02/20/23 17:50	1
<b>Calcium</b>	<b>15</b>		0.50	0.14	mg/L		02/20/23 09:23	02/20/23 17:50	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/23 09:23	02/20/23 17:50	1
<b>Cobalt</b>	<b>0.0042</b>		0.0025	0.00022	mg/L		02/20/23 09:23	02/20/23 17:50	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/20/23 09:23	02/20/23 17:50	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/23 09:23	02/20/23 17:50	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

**Client Sample ID: WAN-GWC-10**

**Lab Sample ID: 680-230703-9**

Date Collected: 02/15/23 09:25

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Nickel</b>	<b>0.0012</b>		0.0010	0.00042	mg/L		02/20/23 09:23	02/20/23 17:50	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/23 09:23	02/20/23 17:50	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/20/23 09:23	02/20/23 17:50	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/23 09:23	02/20/23 17:50	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/20/23 09:23	02/20/23 17:50	1
<b>Zinc</b>	<b>0.0047</b>	<b>J</b>	0.0050	0.0028	mg/L		02/20/23 09:23	02/20/23 17:50	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/20/23 13:19	02/21/23 12:26	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C-2011)</b>	<b>130</b>		10	10	mg/L			02/20/23 12:27	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Field pH</b>	<b>5.76</b>				SU			02/15/23 09:25	1

**Client Sample ID: WAN-GWC-12**

**Lab Sample ID: 680-230703-10**

Date Collected: 02/15/23 11:35

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>25</b>		1.0	0.20	mg/L			02/20/23 21:49	1
<b>Fluoride</b>	<b>0.13</b>		0.10	0.040	mg/L			02/20/23 21:49	1
<b>Sulfate</b>	<b>32</b>		1.0	0.40	mg/L			02/20/23 21:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/20/23 09:23	02/20/23 17:13	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/23 09:23	02/20/23 17:13	1
<b>Barium</b>	<b>0.029</b>		0.010	0.00089	mg/L		02/20/23 09:23	02/20/23 17:13	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/23 09:23	02/20/23 17:13	1
<b>Boron</b>	<b>0.077</b>	<b>J</b>	0.080	0.022	mg/L		02/20/23 09:23	02/20/23 17:13	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/23 09:23	02/20/23 17:13	1
<b>Calcium</b>	<b>55</b>		0.50	0.14	mg/L		02/20/23 09:23	02/20/23 17:13	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/23 09:23	02/20/23 17:13	1
<b>Cobalt</b>	<b>0.0018</b>	<b>J</b>	0.0025	0.00022	mg/L		02/20/23 09:23	02/20/23 17:13	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/20/23 09:23	02/20/23 17:13	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/23 09:23	02/20/23 17:13	1
<b>Nickel</b>	<b>0.00099</b>	<b>J</b>	0.0010	0.00042	mg/L		02/20/23 09:23	02/20/23 17:13	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/23 09:23	02/20/23 17:13	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/20/23 09:23	02/20/23 17:13	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/23 09:23	02/20/23 17:13	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/20/23 09:23	02/20/23 17:13	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/20/23 09:23	02/20/23 17:13	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

**Client Sample ID: WAN-GWC-12**

**Lab Sample ID: 680-230703-10**

Date Collected: 02/15/23 11:35

Matrix: Water

Date Received: 02/17/23 07:47

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/20/23 13:19	02/21/23 12:29	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	220		40	40	mg/L			02/20/23 12:27	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.98				SU			02/15/23 11:35	1

**Client Sample ID: WAN-LF-EB-04**

**Lab Sample ID: 680-230703-11**

Date Collected: 02/15/23 11:25

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			02/20/23 22:03	1
Fluoride	<0.040		0.10	0.040	mg/L			02/20/23 22:03	1
Sulfate	<0.40		1.0	0.40	mg/L			02/20/23 22:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/20/23 11:24	02/21/23 11:42	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/23 11:24	02/21/23 11:42	1
Barium	<0.00089		0.010	0.00089	mg/L		02/20/23 11:24	02/21/23 11:42	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/23 11:24	02/21/23 11:42	1
Boron	<0.022		0.080	0.022	mg/L		02/20/23 11:24	02/22/23 14:43	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/23 11:24	02/21/23 11:42	1
Calcium	<0.14		0.50	0.14	mg/L		02/20/23 11:24	02/21/23 11:42	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/23 11:24	02/21/23 11:42	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/20/23 11:24	02/21/23 11:42	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/20/23 11:24	02/21/23 11:42	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/23 11:24	02/21/23 11:42	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/20/23 11:24	02/21/23 11:42	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/23 11:24	02/21/23 11:42	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/20/23 11:24	02/21/23 11:42	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/23 11:24	02/21/23 11:42	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/20/23 11:24	02/21/23 11:42	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/20/23 11:24	02/21/23 11:42	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/22/23 11:03	02/22/23 15:56	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	<10		10	10	mg/L			02/21/23 12:39	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

**Client Sample ID: WAN-GWC-32**

**Lab Sample ID: 680-230703-12**

Date Collected: 02/15/23 11:08

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.2		1.0	0.20	mg/L			02/20/23 22:16	1
Fluoride	2.3		0.10	0.040	mg/L			02/20/23 22:16	1
Sulfate	8.3		1.0	0.40	mg/L			02/20/23 22:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/20/23 11:24	02/21/23 11:46	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/23 11:24	02/21/23 11:46	1
Barium	<0.00089		0.010	0.00089	mg/L		02/20/23 11:24	02/21/23 11:46	1
Beryllium	0.0013	J	0.0025	0.00020	mg/L		02/20/23 11:24	02/21/23 11:46	1
Boron	<0.022		0.080	0.022	mg/L		02/20/23 11:24	02/22/23 14:47	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/23 11:24	02/21/23 11:46	1
Calcium	6.8		0.50	0.14	mg/L		02/20/23 11:24	02/21/23 11:46	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/23 11:24	02/21/23 11:46	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/20/23 11:24	02/21/23 11:46	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/20/23 11:24	02/21/23 11:46	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/23 11:24	02/21/23 11:46	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/20/23 11:24	02/21/23 11:46	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/23 11:24	02/21/23 11:46	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/20/23 11:24	02/21/23 11:46	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/23 11:24	02/21/23 11:46	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/20/23 11:24	02/21/23 11:46	1
Zinc	0.024		0.0050	0.0028	mg/L		02/20/23 11:24	02/21/23 11:46	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/23 16:23	02/22/23 17:22	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	79		10	10	mg/L			02/21/23 12:39	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.98				SU			02/15/23 11:08	1

**Client Sample ID: WAN-GWC-8**

**Lab Sample ID: 680-230703-13**

Date Collected: 02/15/23 14:55

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.0		1.0	0.20	mg/L			02/20/23 22:29	1
Fluoride	0.063	J	0.10	0.040	mg/L			02/20/23 22:29	1
Sulfate	14		1.0	0.40	mg/L			02/20/23 22:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/20/23 09:23	02/20/23 17:21	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/23 09:23	02/20/23 17:21	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

**Client Sample ID: WAN-GWC-8**

**Lab Sample ID: 680-230703-13**

Date Collected: 02/15/23 14:55

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Barium</b>	<b>0.027</b>		0.010	0.00089	mg/L		02/20/23 09:23	02/20/23 17:21	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/23 09:23	02/20/23 17:21	1
Boron	<0.022		0.080	0.022	mg/L		02/20/23 09:23	02/20/23 17:21	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/23 09:23	02/20/23 17:21	1
<b>Calcium</b>	<b>23</b>		0.50	0.14	mg/L		02/20/23 09:23	02/20/23 17:21	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/23 09:23	02/20/23 17:21	1
<b>Cobalt</b>	<b>0.0016</b>	<b>J</b>	0.0025	0.00022	mg/L		02/20/23 09:23	02/20/23 17:21	1
<b>Copper</b>	<b>0.0014</b>	<b>J</b>	0.0020	0.0011	mg/L		02/20/23 09:23	02/20/23 17:21	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/23 09:23	02/20/23 17:21	1
<b>Nickel</b>	<b>0.0010</b>		0.0010	0.00042	mg/L		02/20/23 09:23	02/20/23 17:21	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/23 09:23	02/20/23 17:21	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/20/23 09:23	02/20/23 17:21	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/23 09:23	02/20/23 17:21	1
<b>Vanadium</b>	<b>0.00096</b>	<b>J</b>	0.0020	0.00063	mg/L		02/20/23 09:23	02/20/23 17:21	1
<b>Zinc</b>	<b>0.0029</b>	<b>J</b>	0.0050	0.0028	mg/L		02/20/23 09:23	02/20/23 17:21	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/20/23 13:19	02/21/23 12:33	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C-2011)</b>	<b>130</b>		10	10	mg/L			02/21/23 12:39	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Field pH</b>	<b>6.03</b>				SU			02/15/23 14:55	1

**Client Sample ID: WAN-GWC-9**

**Lab Sample ID: 680-230703-14**

Date Collected: 02/15/23 16:35

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>4.0</b>		1.0	0.20	mg/L			02/20/23 22:42	1
<b>Fluoride</b>	<b>0.062</b>	<b>J</b>	0.10	0.040	mg/L			02/20/23 22:42	1
<b>Sulfate</b>	<b>9.4</b>		1.0	0.40	mg/L			02/20/23 22:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/20/23 09:23	02/20/23 17:46	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/23 09:23	02/20/23 17:46	1
<b>Barium</b>	<b>0.076</b>		0.010	0.00089	mg/L		02/20/23 09:23	02/20/23 17:46	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/23 09:23	02/20/23 17:46	1
<b>Boron</b>	<b>0.041</b>	<b>J</b>	0.080	0.022	mg/L		02/20/23 09:23	02/20/23 17:46	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/23 09:23	02/20/23 17:46	1
<b>Calcium</b>	<b>8.1</b>		0.50	0.14	mg/L		02/20/23 09:23	02/20/23 17:46	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/23 09:23	02/20/23 17:46	1
<b>Cobalt</b>	<b>0.022</b>		0.0025	0.00022	mg/L		02/20/23 09:23	02/20/23 17:46	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/20/23 09:23	02/20/23 17:46	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

**Client Sample ID: WAN-GWC-9**

**Lab Sample ID: 680-230703-14**

Date Collected: 02/15/23 16:35

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/23 09:23	02/20/23 17:46	1
<b>Nickel</b>	<b>0.0088</b>		0.0010	0.00042	mg/L		02/20/23 09:23	02/20/23 17:46	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/23 09:23	02/20/23 17:46	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/20/23 09:23	02/20/23 17:46	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/23 09:23	02/20/23 17:46	1
<b>Vanadium</b>	<b>0.00090</b>	<b>J</b>	0.0020	0.00063	mg/L		02/20/23 09:23	02/20/23 17:46	1
<b>Zinc</b>	<b>0.015</b>		0.0050	0.0028	mg/L		02/20/23 09:23	02/20/23 17:46	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/20/23 13:19	02/21/23 12:36	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C-2011)</b>	<b>64</b>		10	10	mg/L			02/21/23 12:39	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Field pH</b>	<b>5.56</b>				SU			02/15/23 16:35	1

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

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

**Lab Sample ID: MB 680-764043/33**  
**Matrix: Water**  
**Analysis Batch: 764043**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			02/20/23 16:34	1
Fluoride	<0.040		0.10	0.040	mg/L			02/20/23 16:34	1
Sulfate	<0.40		1.0	0.40	mg/L			02/20/23 16:34	1

**Lab Sample ID: LCS 680-764043/34**  
**Matrix: Water**  
**Analysis Batch: 764043**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.5		mg/L		105	90 - 110
Fluoride	2.00	2.15		mg/L		107	90 - 110
Sulfate	10.0	10.3		mg/L		103	90 - 110

**Lab Sample ID: LCSD 680-764043/35**  
**Matrix: Water**  
**Analysis Batch: 764043**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	10.5		mg/L		105	90 - 110	0	15
Fluoride	2.00	2.15		mg/L		107	90 - 110	0	15
Sulfate	10.0	10.3		mg/L		103	90 - 110	0	15

**Lab Sample ID: 680-230678-G-1 MS**  
**Matrix: Water**  
**Analysis Batch: 764043**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	12		10.0	21.8		mg/L		101	80 - 120
Fluoride	0.058	J	2.00	2.15		mg/L		105	80 - 120
Sulfate	0.93	J	10.0	10.2		mg/L		93	80 - 120

**Lab Sample ID: 680-230678-G-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 764043**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	12		10.0	21.6		mg/L		99	80 - 120	1	15
Fluoride	0.058	J	2.00	2.12		mg/L		103	80 - 120	1	15
Sulfate	0.93	J	10.0	10.0		mg/L		91	80 - 120	2	15

**Lab Sample ID: 680-230703-5 MS**  
**Matrix: Water**  
**Analysis Batch: 764043**

**Client Sample ID: WAN-GWA-4**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	9.9		10.0	20.0		mg/L		102	80 - 120
Fluoride	0.076	J	2.00	2.16		mg/L		104	80 - 120
Sulfate	9.3		10.0	19.4		mg/L		101	80 - 120

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

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

**Lab Sample ID: 680-230703-5 MSD**  
**Matrix: Water**  
**Analysis Batch: 764043**

**Client Sample ID: WAN-GWA-4**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	9.9		10.0	19.7		mg/L		98	80 - 120	2	15
Fluoride	0.076	J	2.00	2.10		mg/L		101	80 - 120	3	15
Sulfate	9.3		10.0	18.6		mg/L		94	80 - 120	4	15

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

**Lab Sample ID: MB 680-764059/1-A**  
**Matrix: Water**  
**Analysis Batch: 764211**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764059**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/20/23 09:23	02/20/23 16:04	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/23 09:23	02/20/23 16:04	1
Barium	<0.00089		0.010	0.00089	mg/L		02/20/23 09:23	02/20/23 16:04	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/23 09:23	02/20/23 16:04	1
Boron	<0.022		0.080	0.022	mg/L		02/20/23 09:23	02/20/23 16:04	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/23 09:23	02/20/23 16:04	1
Calcium	<0.14		0.50	0.14	mg/L		02/20/23 09:23	02/20/23 16:04	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/23 09:23	02/20/23 16:04	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/20/23 09:23	02/20/23 16:04	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/20/23 09:23	02/20/23 16:04	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/23 09:23	02/20/23 16:04	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/20/23 09:23	02/20/23 16:04	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/23 09:23	02/20/23 16:04	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/20/23 09:23	02/20/23 16:04	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/23 09:23	02/20/23 16:04	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/20/23 09:23	02/20/23 16:04	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/20/23 09:23	02/20/23 16:04	1

**Lab Sample ID: LCS 680-764059/2-A**  
**Matrix: Water**  
**Analysis Batch: 764211**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764059**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0486		mg/L		97	80 - 120
Arsenic	0.100	0.105		mg/L		105	80 - 120
Barium	0.100	0.0972		mg/L		97	80 - 120
Beryllium	0.0500	0.0479		mg/L		96	80 - 120
Boron	0.200	0.196		mg/L		98	80 - 120
Cadmium	0.0500	0.0486		mg/L		97	80 - 120
Calcium	5.00	5.03		mg/L		101	80 - 120
Chromium	0.100	0.0976		mg/L		98	80 - 120
Cobalt	0.0500	0.0519		mg/L		104	80 - 120
Copper	0.100	0.106		mg/L		106	80 - 120
Lead	0.505	0.503		mg/L		100	80 - 120
Nickel	0.100	0.102		mg/L		102	80 - 120
Selenium	0.100	0.109		mg/L		109	80 - 120
Silver	0.0500	0.0484		mg/L		97	80 - 120
Thallium	0.0500	0.0479		mg/L		96	80 - 120

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

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

**Lab Sample ID: LCS 680-764059/2-A**  
**Matrix: Water**  
**Analysis Batch: 764211**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764059**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vanadium	0.100	0.102		mg/L		102	80 - 120
Zinc	0.100	0.103		mg/L		103	80 - 120

**Lab Sample ID: 680-230722-H-3-B MS**  
**Matrix: Water**  
**Analysis Batch: 764211**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764059**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.00034		0.0500	0.0529		mg/L		106	75 - 125
Arsenic	0.0038		0.100	0.114		mg/L		110	75 - 125
Barium	0.024		0.100	0.129		mg/L		105	75 - 125
Beryllium	<0.00020		0.0500	0.0541		mg/L		108	75 - 125
Boron	0.17		0.200	0.380		mg/L		104	75 - 125
Cadmium	0.00013	J	0.0500	0.0534		mg/L		106	75 - 125
Calcium	31		5.00	35.7	4	mg/L		93	75 - 125
Chromium	<0.0012		0.100	0.106		mg/L		106	75 - 125
Cobalt	0.0047		0.0500	0.0609		mg/L		112	75 - 125
Copper	<0.0011		0.100	0.116		mg/L		116	75 - 125
Lead	<0.00021		0.505	0.535		mg/L		106	75 - 125
Nickel	0.00076	J	0.100	0.112		mg/L		111	75 - 125
Selenium	<0.00099		0.100	0.110		mg/L		110	75 - 125
Silver	<0.00039		0.0500	0.0523		mg/L		105	75 - 125
Thallium	<0.00026		0.0500	0.0527		mg/L		105	75 - 125
Vanadium	<0.00063		0.100	0.110		mg/L		110	75 - 125
Zinc	<0.0028		0.100	0.112		mg/L		112	75 - 125

**Lab Sample ID: 680-230722-H-3-C MSD**  
**Matrix: Water**  
**Analysis Batch: 764211**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764059**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.00034		0.0500	0.0534		mg/L		107	75 - 125	1	20
Arsenic	0.0038		0.100	0.111		mg/L		107	75 - 125	3	20
Barium	0.024		0.100	0.127		mg/L		103	75 - 125	2	20
Beryllium	<0.00020		0.0500	0.0516		mg/L		103	75 - 125	5	20
Boron	0.17		0.200	0.370		mg/L		99	75 - 125	3	20
Cadmium	0.00013	J	0.0500	0.0546		mg/L		109	75 - 125	2	20
Calcium	31		5.00	35.5	4	mg/L		89	75 - 125	1	20
Chromium	<0.0012		0.100	0.104		mg/L		104	75 - 125	2	20
Cobalt	0.0047		0.0500	0.0585		mg/L		107	75 - 125	4	20
Copper	<0.0011		0.100	0.111		mg/L		111	75 - 125	4	20
Lead	<0.00021		0.505	0.522		mg/L		104	75 - 125	3	20
Nickel	0.00076	J	0.100	0.107		mg/L		106	75 - 125	5	20
Selenium	<0.00099		0.100	0.111		mg/L		111	75 - 125	0	20
Silver	<0.00039		0.0500	0.0521		mg/L		104	75 - 125	0	20
Thallium	<0.00026		0.0500	0.0524		mg/L		105	75 - 125	0	20
Vanadium	<0.00063		0.100	0.106		mg/L		106	75 - 125	4	20
Zinc	<0.0028		0.100	0.109		mg/L		109	75 - 125	2	20

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

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

**Lab Sample ID: MB 680-764105/1-A**  
**Matrix: Water**  
**Analysis Batch: 764406**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764105**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.00034		0.0020	0.00034	mg/L		02/20/23 11:24	02/21/23 11:21	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/23 11:24	02/21/23 11:21	1
Barium	<0.00089		0.010	0.00089	mg/L		02/20/23 11:24	02/21/23 11:21	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/23 11:24	02/21/23 11:21	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/23 11:24	02/21/23 11:21	1
Calcium	<0.14		0.50	0.14	mg/L		02/20/23 11:24	02/21/23 11:21	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/23 11:24	02/21/23 11:21	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/20/23 11:24	02/21/23 11:21	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/20/23 11:24	02/21/23 11:21	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/23 11:24	02/21/23 11:21	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/20/23 11:24	02/21/23 11:21	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/23 11:24	02/21/23 11:21	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/20/23 11:24	02/21/23 11:21	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/23 11:24	02/21/23 11:21	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/20/23 11:24	02/21/23 11:21	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/20/23 11:24	02/21/23 11:21	1

**Lab Sample ID: MB 680-764105/1-A**  
**Matrix: Water**  
**Analysis Batch: 764596**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764105**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Boron	<0.022		0.080	0.022	mg/L		02/20/23 11:24	02/22/23 14:23	1

**Lab Sample ID: LCS 680-764105/2-A**  
**Matrix: Water**  
**Analysis Batch: 764406**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764105**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.104		mg/L		104	80 - 120
Barium	0.100	0.0970		mg/L		97	80 - 120
Beryllium	0.0500	0.0493		mg/L		99	80 - 120
Cadmium	0.0500	0.0490		mg/L		98	80 - 120
Calcium	5.00	5.23		mg/L		105	80 - 120
Chromium	0.100	0.0958		mg/L		96	80 - 120
Cobalt	0.0500	0.0524		mg/L		105	80 - 120
Copper	0.100	0.106		mg/L		106	80 - 120
Lead	0.505	0.501		mg/L		99	80 - 120
Nickel	0.100	0.103		mg/L		103	80 - 120
Selenium	0.100	0.101		mg/L		101	80 - 120
Silver	0.0500	0.0491		mg/L		98	80 - 120
Thallium	0.0500	0.0484		mg/L		97	80 - 120
Vanadium	0.100	0.107		mg/L		107	80 - 120
Zinc	0.100	0.103		mg/L		103	80 - 120

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

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

**Lab Sample ID: LCS 680-764105/2-A**  
**Matrix: Water**  
**Analysis Batch: 764596**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764105**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.200	0.195		mg/L		98	80 - 120

**Lab Sample ID: 680-230703-8 MS**  
**Matrix: Water**  
**Analysis Batch: 764406**

**Client Sample ID: WAN-GWC-30**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764105**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.00034		0.0500	0.0462		mg/L		92	75 - 125
Arsenic	<0.00086		0.100	0.103		mg/L		103	75 - 125
Barium	0.0069	J	0.100	0.104		mg/L		97	75 - 125
Beryllium	<0.00020		0.0500	0.0492		mg/L		98	75 - 125
Cadmium	<0.000078		0.0500	0.0482		mg/L		96	75 - 125
Calcium	3.5		5.00	8.32		mg/L		96	75 - 125
Chromium	<0.0012		0.100	0.0937		mg/L		94	75 - 125
Cobalt	<0.00022		0.0500	0.0510		mg/L		102	75 - 125
Copper	<0.0011		0.100	0.102		mg/L		102	75 - 125
Lead	<0.00021		0.505	0.494		mg/L		98	75 - 125
Nickel	<0.00042		0.100	0.0996		mg/L		100	75 - 125
Selenium	<0.00099		0.100	0.103		mg/L		103	75 - 125
Silver	<0.00039		0.0500	0.0488		mg/L		98	75 - 125
Thallium	<0.00026		0.0500	0.0473		mg/L		95	75 - 125
Vanadium	0.00085	J	0.100	0.105		mg/L		104	75 - 125
Zinc	<0.0028		0.100	0.102		mg/L		102	75 - 125

**Lab Sample ID: 680-230703-8 MS**  
**Matrix: Water**  
**Analysis Batch: 764596**

**Client Sample ID: WAN-GWC-30**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764105**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	<0.022		0.200	0.199		mg/L		99	75 - 125

**Lab Sample ID: 680-230703-8 MSD**  
**Matrix: Water**  
**Analysis Batch: 764406**

**Client Sample ID: WAN-GWC-30**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764105**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Antimony	<0.00034		0.0500	0.0480		mg/L		96	75 - 125	4	20
Arsenic	<0.00086		0.100	0.103		mg/L		103	75 - 125	1	20
Barium	0.0069	J	0.100	0.106		mg/L		99	75 - 125	2	20
Beryllium	<0.00020		0.0500	0.0491		mg/L		98	75 - 125	0	20
Cadmium	<0.000078		0.0500	0.0487		mg/L		97	75 - 125	1	20
Calcium	3.5		5.00	8.36		mg/L		97	75 - 125	0	20
Chromium	<0.0012		0.100	0.0960		mg/L		96	75 - 125	2	20
Cobalt	<0.00022		0.0500	0.0523		mg/L		105	75 - 125	3	20
Copper	<0.0011		0.100	0.106		mg/L		106	75 - 125	4	20
Lead	<0.00021		0.505	0.502		mg/L		100	75 - 125	2	20
Nickel	<0.00042		0.100	0.105		mg/L		105	75 - 125	5	20
Selenium	<0.00099		0.100	0.106		mg/L		106	75 - 125	3	20
Silver	<0.00039		0.0500	0.0486		mg/L		97	75 - 125	0	20

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

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

**Lab Sample ID: 680-230703-8 MSD**  
**Matrix: Water**  
**Analysis Batch: 764406**

**Client Sample ID: WAN-GWC-30**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764105**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Thallium	<0.00026		0.0500	0.0481		mg/L		96	75 - 125	2	20
Vanadium	0.00085	J	0.100	0.104		mg/L		103	75 - 125	1	20
Zinc	<0.0028		0.100	0.103		mg/L		103	75 - 125	1	20

**Lab Sample ID: 680-230703-8 MSD**  
**Matrix: Water**  
**Analysis Batch: 764596**

**Client Sample ID: WAN-GWC-30**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764105**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	<0.022		0.200	0.209		mg/L		104	75 - 125	5	20

## Method: 7470A - Mercury

**Lab Sample ID: MB 680-764131/1-A**  
**Matrix: Water**  
**Analysis Batch: 764337**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 764131**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/20/23 13:19	02/21/23 11:17	1

**Lab Sample ID: LCS 680-764131/2-A**  
**Matrix: Water**  
**Analysis Batch: 764337**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 764131**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00243		mg/L		97	80 - 120

**Lab Sample ID: 680-230703-2 MS**  
**Matrix: Water**  
**Analysis Batch: 764337**

**Client Sample ID: WAN-GWA-1**  
**Prep Type: Total/NA**  
**Prep Batch: 764131**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.000080		0.00100	0.000970		mg/L		97	80 - 120

**Lab Sample ID: 680-230703-2 MSD**  
**Matrix: Water**  
**Analysis Batch: 764337**

**Client Sample ID: WAN-GWA-1**  
**Prep Type: Total/NA**  
**Prep Batch: 764131**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000080		0.00100	0.000943		mg/L		94	80 - 120	3	20

**Lab Sample ID: MB 680-764365/1-A**  
**Matrix: Water**  
**Analysis Batch: 764581**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 764365**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/23 16:23	02/22/23 16:58	1

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

## Method: 7470A - Mercury (Continued)

**Lab Sample ID: LCS 680-764365/2-A**  
**Matrix: Water**  
**Analysis Batch: 764581**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 764365**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00244		mg/L		98	80 - 120

**Lab Sample ID: 680-230643-G-3-D MS**  
**Matrix: Water**  
**Analysis Batch: 764581**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 764365**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.000080		0.00100	0.000898		mg/L		90	80 - 120

**Lab Sample ID: 680-230643-G-3-E MSD**  
**Matrix: Water**  
**Analysis Batch: 764581**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 764365**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Mercury	<0.000080		0.00100	0.000926		mg/L		93	80 - 120	3	20

**Lab Sample ID: MB 680-764470/1-A**  
**Matrix: Water**  
**Analysis Batch: 764526**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 764470**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/22/23 11:03	02/22/23 14:39	1

**Lab Sample ID: LCS 680-764470/2-A**  
**Matrix: Water**  
**Analysis Batch: 764526**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 764470**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00253		mg/L		101	80 - 120

**Lab Sample ID: 680-230881-A-1-D MS**  
**Matrix: Water**  
**Analysis Batch: 764526**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 764470**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00092	F1 F2	0.00100	0.00150	F1	mg/L		58	80 - 120

**Lab Sample ID: 680-230881-A-1-E MSD**  
**Matrix: Water**  
**Analysis Batch: 764526**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 764470**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Mercury	0.00092	F1 F2	0.00100	0.00117	F1 F2	mg/L		25	80 - 120	25	20

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

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

**Lab Sample ID: MB 680-764123/1**  
**Matrix: Water**  
**Analysis Batch: 764123**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/20/23 12:27	1

**Lab Sample ID: LCS 680-764123/2**  
**Matrix: Water**  
**Analysis Batch: 764123**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	2340	2370		mg/L		101	80 - 120

**Lab Sample ID: LCSD 680-764123/3**  
**Matrix: Water**  
**Analysis Batch: 764123**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	2340	2340		mg/L		100	80 - 120	1	25

**Lab Sample ID: 680-230617-C-1 DU**  
**Matrix: Water**  
**Analysis Batch: 764123**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1200		1250		mg/L		0.2	5

**Lab Sample ID: 680-230640-AD-1 DU**  
**Matrix: Water**  
**Analysis Batch: 764123**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	260		234	F3	mg/L		11	5

**Lab Sample ID: MB 680-764319/1**  
**Matrix: Water**  
**Analysis Batch: 764319**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/21/23 12:39	1

**Lab Sample ID: LCS 680-764319/2**  
**Matrix: Water**  
**Analysis Batch: 764319**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	2340	2430		mg/L		104	80 - 120

**Lab Sample ID: LCSD 680-764319/3**  
**Matrix: Water**  
**Analysis Batch: 764319**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	2340	2430		mg/L		104	80 - 120	0	25

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# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

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

**Lab Sample ID: 680-230617-B-2 DU**  
**Matrix: Water**  
**Analysis Batch: 764319**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1200		1220		mg/L	-	1	5

**Lab Sample ID: 680-230730-X-1 DU**  
**Matrix: Water**  
**Analysis Batch: 764319**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	230		232		mg/L	-	3	5



# QC Association Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

## HPLC/IC

### Analysis Batch: 764043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-1	WAN-GWA-29	Total/NA	Water	300.0-1993 R2.1	
680-230703-2	WAN-GWA-1	Total/NA	Water	300.0-1993 R2.1	
680-230703-3	WAN-GWA-2	Total/NA	Water	300.0-1993 R2.1	
680-230703-4	WAN-GWA-3	Total/NA	Water	300.0-1993 R2.1	
680-230703-5	WAN-GWA-4	Total/NA	Water	300.0-1993 R2.1	
680-230703-6	WAN-GWA-28	Total/NA	Water	300.0-1993 R2.1	
680-230703-7	WAN-GWC-22	Total/NA	Water	300.0-1993 R2.1	
680-230703-8	WAN-GWC-30	Total/NA	Water	300.0-1993 R2.1	
680-230703-9	WAN-GWC-10	Total/NA	Water	300.0-1993 R2.1	
680-230703-10	WAN-GWC-12	Total/NA	Water	300.0-1993 R2.1	
680-230703-11	WAN-LF-EB-04	Total/NA	Water	300.0-1993 R2.1	
680-230703-12	WAN-GWC-32	Total/NA	Water	300.0-1993 R2.1	
680-230703-13	WAN-GWC-8	Total/NA	Water	300.0-1993 R2.1	
680-230703-14	WAN-GWC-9	Total/NA	Water	300.0-1993 R2.1	
MB 680-764043/33	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-764043/34	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-764043/35	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
680-230678-G-1 MS	Matrix Spike	Total/NA	Water	300.0-1993 R2.1	
680-230678-G-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0-1993 R2.1	
680-230703-5 MS	WAN-GWA-4	Total/NA	Water	300.0-1993 R2.1	
680-230703-5 MSD	WAN-GWA-4	Total/NA	Water	300.0-1993 R2.1	

## Metals

### Prep Batch: 764059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-2	WAN-GWA-1	Total Recoverable	Water	3005A	
680-230703-3	WAN-GWA-2	Total Recoverable	Water	3005A	
680-230703-4	WAN-GWA-3	Total Recoverable	Water	3005A	
680-230703-5	WAN-GWA-4	Total Recoverable	Water	3005A	
680-230703-6	WAN-GWA-28	Total Recoverable	Water	3005A	
680-230703-7	WAN-GWC-22	Total Recoverable	Water	3005A	
680-230703-9	WAN-GWC-10	Total Recoverable	Water	3005A	
680-230703-10	WAN-GWC-12	Total Recoverable	Water	3005A	
680-230703-13	WAN-GWC-8	Total Recoverable	Water	3005A	
680-230703-14	WAN-GWC-9	Total Recoverable	Water	3005A	
MB 680-764059/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-764059/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-230722-H-3-B MS	Matrix Spike	Total Recoverable	Water	3005A	
680-230722-H-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Prep Batch: 764105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-1	WAN-GWA-29	Total Recoverable	Water	3005A	
680-230703-8	WAN-GWC-30	Total Recoverable	Water	3005A	
680-230703-11	WAN-LF-EB-04	Total Recoverable	Water	3005A	
680-230703-12	WAN-GWC-32	Total Recoverable	Water	3005A	
MB 680-764105/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-764105/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-230703-8 MS	WAN-GWC-30	Total Recoverable	Water	3005A	
680-230703-8 MSD	WAN-GWC-30	Total Recoverable	Water	3005A	

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# QC Association Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

## Metals

### Prep Batch: 764131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-2	WAN-GWA-1	Total/NA	Water	7470A	
680-230703-3	WAN-GWA-2	Total/NA	Water	7470A	
680-230703-4	WAN-GWA-3	Total/NA	Water	7470A	
680-230703-5	WAN-GWA-4	Total/NA	Water	7470A	
680-230703-6	WAN-GWA-28	Total/NA	Water	7470A	
680-230703-7	WAN-GWC-22	Total/NA	Water	7470A	
680-230703-9	WAN-GWC-10	Total/NA	Water	7470A	
680-230703-10	WAN-GWC-12	Total/NA	Water	7470A	
680-230703-13	WAN-GWC-8	Total/NA	Water	7470A	
680-230703-14	WAN-GWC-9	Total/NA	Water	7470A	
MB 680-764131/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-764131/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-230703-2 MS	WAN-GWA-1	Total/NA	Water	7470A	
680-230703-2 MSD	WAN-GWA-1	Total/NA	Water	7470A	

### Analysis Batch: 764211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-2	WAN-GWA-1	Total Recoverable	Water	6020B	764059
680-230703-3	WAN-GWA-2	Total Recoverable	Water	6020B	764059
680-230703-4	WAN-GWA-3	Total Recoverable	Water	6020B	764059
680-230703-5	WAN-GWA-4	Total Recoverable	Water	6020B	764059
680-230703-6	WAN-GWA-28	Total Recoverable	Water	6020B	764059
680-230703-7	WAN-GWC-22	Total Recoverable	Water	6020B	764059
680-230703-9	WAN-GWC-10	Total Recoverable	Water	6020B	764059
680-230703-10	WAN-GWC-12	Total Recoverable	Water	6020B	764059
680-230703-13	WAN-GWC-8	Total Recoverable	Water	6020B	764059
680-230703-14	WAN-GWC-9	Total Recoverable	Water	6020B	764059
MB 680-764059/1-A	Method Blank	Total Recoverable	Water	6020B	764059
LCS 680-764059/2-A	Lab Control Sample	Total Recoverable	Water	6020B	764059
680-230722-H-3-B MS	Matrix Spike	Total Recoverable	Water	6020B	764059
680-230722-H-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	764059

### Analysis Batch: 764337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-2	WAN-GWA-1	Total/NA	Water	7470A	764131
680-230703-3	WAN-GWA-2	Total/NA	Water	7470A	764131
680-230703-4	WAN-GWA-3	Total/NA	Water	7470A	764131
680-230703-5	WAN-GWA-4	Total/NA	Water	7470A	764131
680-230703-6	WAN-GWA-28	Total/NA	Water	7470A	764131
680-230703-7	WAN-GWC-22	Total/NA	Water	7470A	764131
680-230703-9	WAN-GWC-10	Total/NA	Water	7470A	764131
680-230703-10	WAN-GWC-12	Total/NA	Water	7470A	764131
680-230703-13	WAN-GWC-8	Total/NA	Water	7470A	764131
680-230703-14	WAN-GWC-9	Total/NA	Water	7470A	764131
MB 680-764131/1-A	Method Blank	Total/NA	Water	7470A	764131
LCS 680-764131/2-A	Lab Control Sample	Total/NA	Water	7470A	764131
680-230703-2 MS	WAN-GWA-1	Total/NA	Water	7470A	764131
680-230703-2 MSD	WAN-GWA-1	Total/NA	Water	7470A	764131

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

## Metals

### Prep Batch: 764365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-1	WAN-GWA-29	Total/NA	Water	7470A	
680-230703-8	WAN-GWC-30	Total/NA	Water	7470A	
680-230703-12	WAN-GWC-32	Total/NA	Water	7470A	
MB 680-764365/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-764365/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-230643-G-3-D MS	Matrix Spike	Total/NA	Water	7470A	
680-230643-G-3-E MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Analysis Batch: 764406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-1	WAN-GWA-29	Total Recoverable	Water	6020B	764105
680-230703-8	WAN-GWC-30	Total Recoverable	Water	6020B	764105
680-230703-11	WAN-LF-EB-04	Total Recoverable	Water	6020B	764105
680-230703-12	WAN-GWC-32	Total Recoverable	Water	6020B	764105
MB 680-764105/1-A	Method Blank	Total Recoverable	Water	6020B	764105
LCS 680-764105/2-A	Lab Control Sample	Total Recoverable	Water	6020B	764105
680-230703-8 MS	WAN-GWC-30	Total Recoverable	Water	6020B	764105
680-230703-8 MSD	WAN-GWC-30	Total Recoverable	Water	6020B	764105

### Prep Batch: 764470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-11	WAN-LF-EB-04	Total/NA	Water	7470A	
MB 680-764470/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-764470/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-230881-A-1-D MS	Matrix Spike	Total/NA	Water	7470A	
680-230881-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Analysis Batch: 764526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-11	WAN-LF-EB-04	Total/NA	Water	7470A	764470
MB 680-764470/1-A	Method Blank	Total/NA	Water	7470A	764470
LCS 680-764470/2-A	Lab Control Sample	Total/NA	Water	7470A	764470
680-230881-A-1-D MS	Matrix Spike	Total/NA	Water	7470A	764470
680-230881-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	764470

### Analysis Batch: 764581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-1	WAN-GWA-29	Total/NA	Water	7470A	764365
680-230703-8	WAN-GWC-30	Total/NA	Water	7470A	764365
680-230703-12	WAN-GWC-32	Total/NA	Water	7470A	764365
MB 680-764365/1-A	Method Blank	Total/NA	Water	7470A	764365
LCS 680-764365/2-A	Lab Control Sample	Total/NA	Water	7470A	764365
680-230643-G-3-D MS	Matrix Spike	Total/NA	Water	7470A	764365
680-230643-G-3-E MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	764365

### Analysis Batch: 764596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-1	WAN-GWA-29	Total Recoverable	Water	6020B	764105
680-230703-8	WAN-GWC-30	Total Recoverable	Water	6020B	764105
680-230703-11	WAN-LF-EB-04	Total Recoverable	Water	6020B	764105
680-230703-12	WAN-GWC-32	Total Recoverable	Water	6020B	764105

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# QC Association Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

## Metals (Continued)

### Analysis Batch: 764596 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-764105/1-A	Method Blank	Total Recoverable	Water	6020B	764105
LCS 680-764105/2-A	Lab Control Sample	Total Recoverable	Water	6020B	764105
680-230703-8 MS	WAN-GWC-30	Total Recoverable	Water	6020B	764105
680-230703-8 MSD	WAN-GWC-30	Total Recoverable	Water	6020B	764105

## General Chemistry

### Analysis Batch: 764123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-1	WAN-GWA-29	Total/NA	Water	2540C-2011	
680-230703-2	WAN-GWA-1	Total/NA	Water	2540C-2011	
680-230703-3	WAN-GWA-2	Total/NA	Water	2540C-2011	
680-230703-4	WAN-GWA-3	Total/NA	Water	2540C-2011	
680-230703-5	WAN-GWA-4	Total/NA	Water	2540C-2011	
680-230703-6	WAN-GWA-28	Total/NA	Water	2540C-2011	
680-230703-7	WAN-GWC-22	Total/NA	Water	2540C-2011	
680-230703-8	WAN-GWC-30	Total/NA	Water	2540C-2011	
680-230703-9	WAN-GWC-10	Total/NA	Water	2540C-2011	
680-230703-10	WAN-GWC-12	Total/NA	Water	2540C-2011	
MB 680-764123/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-764123/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-764123/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-230617-C-1 DU	Duplicate	Total/NA	Water	2540C-2011	
680-230640-AD-1 DU	Duplicate	Total/NA	Water	2540C-2011	

### Analysis Batch: 764319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-11	WAN-LF-EB-04	Total/NA	Water	2540C-2011	
680-230703-12	WAN-GWC-32	Total/NA	Water	2540C-2011	
680-230703-13	WAN-GWC-8	Total/NA	Water	2540C-2011	
680-230703-14	WAN-GWC-9	Total/NA	Water	2540C-2011	
MB 680-764319/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-764319/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-764319/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-230617-B-2 DU	Duplicate	Total/NA	Water	2540C-2011	
680-230730-X-1 DU	Duplicate	Total/NA	Water	2540C-2011	

## Field Service / Mobile Lab

### Analysis Batch: 764382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-1	WAN-GWA-29	Total/NA	Water	Field Sampling	
680-230703-2	WAN-GWA-1	Total/NA	Water	Field Sampling	
680-230703-3	WAN-GWA-2	Total/NA	Water	Field Sampling	
680-230703-4	WAN-GWA-3	Total/NA	Water	Field Sampling	
680-230703-5	WAN-GWA-4	Total/NA	Water	Field Sampling	
680-230703-6	WAN-GWA-28	Total/NA	Water	Field Sampling	
680-230703-7	WAN-GWC-22	Total/NA	Water	Field Sampling	
680-230703-8	WAN-GWC-30	Total/NA	Water	Field Sampling	
680-230703-9	WAN-GWC-10	Total/NA	Water	Field Sampling	
680-230703-10	WAN-GWC-12	Total/NA	Water	Field Sampling	
680-230703-12	WAN-GWC-32	Total/NA	Water	Field Sampling	

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# QC Association Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

## Field Service / Mobile Lab (Continued)

### Analysis Batch: 764382 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-13	WAN-GWC-8	Total/NA	Water	Field Sampling	
680-230703-14	WAN-GWC-9	Total/NA	Water	Field Sampling	

1

2

3

4

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12



# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

**Client Sample ID: WAN-GWA-29**

**Lab Sample ID: 680-230703-1**

**Date Collected: 02/13/23 16:44**

**Matrix: Water**

**Date Received: 02/17/23 07:47**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1 Instrument ID: CICK		1	5 mL	5 mL	764043	02/20/23 18:58	UI	EET SAV
Total Recoverable	Prep	3005A			25 mL	125 mL	764105	02/20/23 11:24	RR	EET SAV
Total Recoverable	Analysis	6020B Instrument ID: ICPMSC		1			764406	02/21/23 11:50	BWR	EET SAV
Total Recoverable	Prep	3005A			25 mL	125 mL	764105	02/20/23 11:24	RR	EET SAV
Total Recoverable	Analysis	6020B Instrument ID: ICPMSC		1			764596	02/22/23 14:51	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	764365	02/21/23 16:23	BCB	EET SAV
Total/NA	Analysis	7470A Instrument ID: QuickTrace2		1			764581	02/22/23 17:32	BJB	EET SAV
Total/NA	Analysis	2540C-2011 Instrument ID: NOEQUIP		1	200 mL	200 mL	764123	02/20/23 12:27	PG	EET SAV
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			764382	02/13/23 16:44	P1C	EET SAV

**Client Sample ID: WAN-GWA-1**

**Lab Sample ID: 680-230703-2**

**Date Collected: 02/14/23 14:15**

**Matrix: Water**

**Date Received: 02/17/23 07:47**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1 Instrument ID: CICK		1	5 mL	5 mL	764043	02/20/23 19:12	UI	EET SAV
Total Recoverable	Prep	3005A			25 mL	125 mL	764059	02/20/23 09:23	RR	EET SAV
Total Recoverable	Analysis	6020B Instrument ID: ICPMSC		1			764211	02/20/23 17:29	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	764131	02/20/23 13:19	JKL	EET SAV
Total/NA	Analysis	7470A Instrument ID: QuickTrace2		1			764337	02/21/23 11:38	BJB	EET SAV
Total/NA	Analysis	2540C-2011 Instrument ID: NOEQUIP		1	200 mL	200 mL	764123	02/20/23 12:27	PG	EET SAV
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			764382	02/14/23 14:15	P1C	EET SAV

**Client Sample ID: WAN-GWA-2**

**Lab Sample ID: 680-230703-3**

**Date Collected: 02/14/23 13:00**

**Matrix: Water**

**Date Received: 02/17/23 07:47**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1 Instrument ID: CICK		1	5 mL	5 mL	764043	02/20/23 19:25	UI	EET SAV
Total Recoverable	Prep	3005A			25 mL	125 mL	764059	02/20/23 09:23	RR	EET SAV
Total Recoverable	Analysis	6020B Instrument ID: ICPMSC		1			764211	02/20/23 17:54	BWR	EET SAV

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# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

## Client Sample ID: WAN-GWA-2

## Lab Sample ID: 680-230703-3

Date Collected: 02/14/23 13:00

Matrix: Water

Date Received: 02/17/23 07:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	764131	02/20/23 13:19	JKL	EET SAV
Total/NA	Analysis	7470A		1			764337	02/21/23 11:48	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	764123	02/20/23 12:27	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			764382	02/14/23 13:00	P1C	EET SAV
Instrument ID: NOEQUIP										

## Client Sample ID: WAN-GWA-3

## Lab Sample ID: 680-230703-4

Date Collected: 02/14/23 11:47

Matrix: Water

Date Received: 02/17/23 07:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	764043	02/20/23 19:38	UI	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764059	02/20/23 09:23	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764211	02/20/23 17:09	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764131	02/20/23 13:19	JKL	EET SAV
Total/NA	Analysis	7470A		1			764337	02/21/23 11:51	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	764123	02/20/23 12:27	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			764382	02/14/23 11:47	P1C	EET SAV
Instrument ID: NOEQUIP										

## Client Sample ID: WAN-GWA-4

## Lab Sample ID: 680-230703-5

Date Collected: 02/14/23 13:05

Matrix: Water

Date Received: 02/17/23 07:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	764043	02/20/23 20:17	UI	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764059	02/20/23 09:23	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764211	02/20/23 17:17	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764131	02/20/23 13:19	JKL	EET SAV
Total/NA	Analysis	7470A		1			764337	02/21/23 11:55	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	764123	02/20/23 12:27	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			764382	02/14/23 13:05	P1C	EET SAV
Instrument ID: NOEQUIP										

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

**Client Sample ID: WAN-GWA-28**

**Lab Sample ID: 680-230703-6**

**Date Collected: 02/14/23 14:05**

**Matrix: Water**

**Date Received: 02/17/23 07:47**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1 Instrument ID: CICK		1	5 mL	5 mL	764043	02/20/23 20:57	UI	EET SAV
Total Recoverable	Prep	3005A			25 mL	125 mL	764059	02/20/23 09:23	RR	EET SAV
Total Recoverable	Analysis	6020B Instrument ID: ICPMSC		1			764211	02/20/23 17:25	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	764131	02/20/23 13:19	JKL	EET SAV
Total/NA	Analysis	7470A Instrument ID: QuickTrace2		1			764337	02/21/23 11:58	BJB	EET SAV
Total/NA	Analysis	2540C-2011 Instrument ID: NOEQUIP		1	200 mL	200 mL	764123	02/20/23 12:27	PG	EET SAV
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			764382	02/14/23 14:05	P1C	EET SAV

**Client Sample ID: WAN-GWC-22**

**Lab Sample ID: 680-230703-7**

**Date Collected: 02/14/23 16:45**

**Matrix: Water**

**Date Received: 02/17/23 07:47**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1 Instrument ID: CICK		1	5 mL	5 mL	764043	02/20/23 21:10	UI	EET SAV
Total Recoverable	Prep	3005A			25 mL	125 mL	764059	02/20/23 09:23	RR	EET SAV
Total Recoverable	Analysis	6020B Instrument ID: ICPMSC		1			764211	02/20/23 17:42	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	764131	02/20/23 13:19	JKL	EET SAV
Total/NA	Analysis	7470A Instrument ID: QuickTrace2		1			764337	02/21/23 12:22	BJB	EET SAV
Total/NA	Analysis	2540C-2011 Instrument ID: NOEQUIP		1	200 mL	200 mL	764123	02/20/23 12:27	PG	EET SAV
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			764382	02/14/23 16:45	P1C	EET SAV

**Client Sample ID: WAN-GWC-30**

**Lab Sample ID: 680-230703-8**

**Date Collected: 02/14/23 16:05**

**Matrix: Water**

**Date Received: 02/17/23 07:47**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1 Instrument ID: CICK		1	5 mL	5 mL	764043	02/20/23 21:23	UI	EET SAV
Total Recoverable	Prep	3005A			25 mL	125 mL	764105	02/20/23 11:24	RR	EET SAV
Total Recoverable	Analysis	6020B Instrument ID: ICPMSC		1			764406	02/21/23 11:29	BWR	EET SAV
Total Recoverable	Prep	3005A			25 mL	125 mL	764105	02/20/23 11:24	RR	EET SAV
Total Recoverable	Analysis	6020B Instrument ID: ICPMSC		1			764596	02/22/23 14:31	BWR	EET SAV

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# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

**Client Sample ID: WAN-GWC-30**

**Lab Sample ID: 680-230703-8**

**Date Collected: 02/14/23 16:05**

**Matrix: Water**

**Date Received: 02/17/23 07:47**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	764365	02/21/23 16:23	BCB	EET SAV
Total/NA	Analysis	7470A		1			764581	02/22/23 17:56	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	764123	02/20/23 12:27	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			764382	02/14/23 16:05	P1C	EET SAV
Instrument ID: NOEQUIP										

**Client Sample ID: WAN-GWC-10**

**Lab Sample ID: 680-230703-9**

**Date Collected: 02/15/23 09:25**

**Matrix: Water**

**Date Received: 02/17/23 07:47**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	764043	02/20/23 21:36	UI	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764059	02/20/23 09:23	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764211	02/20/23 17:50	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764131	02/20/23 13:19	JKL	EET SAV
Total/NA	Analysis	7470A		1			764337	02/21/23 12:26	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	764123	02/20/23 12:27	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			764382	02/15/23 09:25	P1C	EET SAV
Instrument ID: NOEQUIP										

**Client Sample ID: WAN-GWC-12**

**Lab Sample ID: 680-230703-10**

**Date Collected: 02/15/23 11:35**

**Matrix: Water**

**Date Received: 02/17/23 07:47**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	764043	02/20/23 21:49	UI	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764059	02/20/23 09:23	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764211	02/20/23 17:13	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764131	02/20/23 13:19	JKL	EET SAV
Total/NA	Analysis	7470A		1			764337	02/21/23 12:29	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	764123	02/20/23 12:27	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			764382	02/15/23 11:35	P1C	EET SAV
Instrument ID: NOEQUIP										

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

**Client Sample ID: WAN-LF-EB-04**

**Lab Sample ID: 680-230703-11**

**Date Collected: 02/15/23 11:25**

**Matrix: Water**

**Date Received: 02/17/23 07:47**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	764043	02/20/23 22:03	UI	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764105	02/20/23 11:24	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764406	02/21/23 11:42	BWR	EET SAV
Instrument ID: ICPMSC										
Total Recoverable	Prep	3005A			25 mL	125 mL	764105	02/20/23 11:24	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764596	02/22/23 14:43	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764470	02/22/23 11:03	BCB	EET SAV
Total/NA	Analysis	7470A		1			764526	02/22/23 15:56	BCB	EET SAV
Instrument ID: LEEMAN2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	764319	02/21/23 12:39	PG	EET SAV
Instrument ID: NOEQUIP										

**Client Sample ID: WAN-GWC-32**

**Lab Sample ID: 680-230703-12**

**Date Collected: 02/15/23 11:08**

**Matrix: Water**

**Date Received: 02/17/23 07:47**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	764043	02/20/23 22:16	UI	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764105	02/20/23 11:24	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764406	02/21/23 11:46	BWR	EET SAV
Instrument ID: ICPMSC										
Total Recoverable	Prep	3005A			25 mL	125 mL	764105	02/20/23 11:24	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764596	02/22/23 14:47	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764365	02/21/23 16:23	BCB	EET SAV
Total/NA	Analysis	7470A		1			764581	02/22/23 17:22	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	764319	02/21/23 12:39	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			764382	02/15/23 11:08	P1C	EET SAV
Instrument ID: NOEQUIP										

**Client Sample ID: WAN-GWC-8**

**Lab Sample ID: 680-230703-13**

**Date Collected: 02/15/23 14:55**

**Matrix: Water**

**Date Received: 02/17/23 07:47**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	764043	02/20/23 22:29	UI	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764059	02/20/23 09:23	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764211	02/20/23 17:21	BWR	EET SAV
Instrument ID: ICPMSC										

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# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

## Client Sample ID: WAN-GWC-8

## Lab Sample ID: 680-230703-13

Date Collected: 02/15/23 14:55

Matrix: Water

Date Received: 02/17/23 07:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	764131	02/20/23 13:19	JKL	EET SAV
Total/NA	Analysis	7470A		1			764337	02/21/23 12:33	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	764319	02/21/23 12:39	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			764382	02/15/23 14:55	P1C	EET SAV
Instrument ID: NOEQUIP										

## Client Sample ID: WAN-GWC-9

## Lab Sample ID: 680-230703-14

Date Collected: 02/15/23 16:35

Matrix: Water

Date Received: 02/17/23 07:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	764043	02/20/23 22:42	UI	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764059	02/20/23 09:23	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764211	02/20/23 17:46	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764131	02/20/23 13:19	JKL	EET SAV
Total/NA	Analysis	7470A		1			764337	02/21/23 12:36	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	764319	02/21/23 12:39	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			764382	02/15/23 16:35	P1C	EET SAV
Instrument ID: NOEQUIP										

**Laboratory References:**

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

# Accreditation/Certification Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

## Laboratory: Eurofins Savannah

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

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

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

# Method Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

Method	Method Description	Protocol	Laboratory
300.0-1993 R2.1	Anions, Ion Chromatography	MCAWW	EET SAV
6020B	Metals (ICP/MS)	SW846	EET SAV
7470A	Mercury	SW846	EET SAV
2540C-2011	Total Dissolved Solids (Dried at 180 °C)	SM	EET SAV
Field Sampling	Field Sampling	EPA	EET SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV
7470A	Preparation, Mercury	SW846	EET SAV

#### Protocol References:

EPA = US Environmental Protection Agency

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

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

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

#### Laboratory References:

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



# Chain of Custody Record

<b>Client Information</b>		Lab PM: Fuller, David		Carrier Tracking No(s):		COC No. 10f 2						
Client Contact: T. Johnson, D. Johnson		E-Mail: david.fuller@et.eurofins.com		Job #:		Page: 10f 2						
SCS Contacts: 770-594-5998		Company: ACC		Analysis Requested:		Preservation Codes:						
Address: 241 Ralph McGill Blvd SE		City: Atlanta		State: GA		Zip: 30308						
Phone: 404-506-7116(Tel)		Lab Project #: 68027763		Project Name: Plant Wansley Landfill		Site:						
SCS Contacts / ACC Contacts:		Project #:		SSOW#:		Task Code: WAN-CCR-ASSMT-2023S1						
Due Date Requested:		TAT Requested (days):		Special Instructions/Note: APP III + State Permit Metals		Other:						
GWC-12 metals for 5 days		All others Standard		Total Number of Containers:		M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)						
Sample Identification	Sample Date (mm/dd/yy)	Sample Time (hh:mm)	Sample Type (C=Comp, G=grab)	Mark (W=around water, W=quality control)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	AP 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	CF, F, SO4, & TDS (EPA 3000 & SM 2540C)	D	I	Analysis Requested	Task Code
WAN-GWA-29	02/13/23	1644	G	WG	X	N	X	X	X	X		WAN-CCR-ASSMT-2023S1
WAN-GWA-1	02/14/23	1415	G	WG	X	N	X	X	X	X		
WAN-GWA-2	02/14/23	1300	G	WG	X	N	X	X	X	X		
WAN-GWA-3	02/14/23	1147	G	WG	X	N	X	X	X	X		
WAN-GWA-4	02/14/23	1305	G	WG	X	N	X	X	X	X		
WAN-GWA-28	02/14/23	1405	G	WG	X	N	X	X	X	X		
WAN-GWC-22	02/14/23	1645	G	WG	X	N	X	X	X	X		
WAN-GWC-30	02/14/23	1605	G	WG	X	N	X	X	X	X		
WAN-GWC-10	02/15/23	0925	G	WG	X	N	X	X	X	X		
WAN-GWC-12	02/15/23	1135	G	WG	X	N	X	X	X	X		
WAN-LF-EB-04	02/15/23	1125	G	WQ	X	N	X	X	X	X		
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological												
Deliverable Requested I, II, III, IV Other (specify)												
Empty Kit Relinquished by:												
Relinquished by: [Signature] Date: 2/16/23 Time: 0747 Company: ACC												
Relinquished by: [Signature] Date: 2/16/23 Time: 1600 Company: Eurofins												
Relinquished by: [Signature] Date: 02-17-23 Time: Company:												
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Custody Seal No												
Cooler Temperature(s) °C and Other Remarks: 0.3 - 0.3												

CD



# Chain of Custody Record

<b>Client Information</b> Client Contact: <u>J. Johnson, P. Johnson</u> SCS Contacts: <u>770-594-5998</u> Company: <u>GA Power</u>		Lab PM: <u>Fuller, David</u> E-Mail: <u>david.fuller@et.eurofins.com</u>		Carrier Tracking No(s): <u>202207</u> Job #: <u>2022</u>	
Address: <u>2411 Ralph McGill Blvd SE</u> City: <u>Atlanta</u> State, Zip: <u>GA, 30308</u> Phone: <u>404-506-7116(Tel)</u> Email: <u>68027763</u>		Due Date Requested: _____ TAT Requested (days): _____ Lab Project #: _____ PO #: _____ Project #: _____ SSOW#: _____		Analysis Requested: _____ Total Number of Containers: _____	
Project Name: <u>Plant Wansley Landfill</u> Site: _____		Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No AP III and State Permit Metals (EPA 6020 & 7470), As, B Ba Be Ca Cd Cr Co, Cu, Pb, Ni, Sb, Se, Ag, Ti, Zn, Hg Cl F SO <sub>4</sub> & TDS (EPA 300.0 & SM 2540C)		Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO <sub>4</sub> F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: _____ M - Hexane N - None O - AsNaO <sub>2</sub> P - Na <sub>2</sub> O <sub>4</sub> S Q - Na <sub>2</sub> SO <sub>3</sub> R - Na <sub>2</sub> SO <sub>3</sub> S - H <sub>2</sub> SO <sub>4</sub> T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)	
Sample Identification WAN- <u>GWC-32</u> WAN- <u>GWC-8</u> WAN- <u>GWC-9</u> WAN- WAN- WAN- WAN- WAN- WAN- WAN-		Sample Date (mm/dd/yy) <u>02/15/23</u> <u>02/15/23</u> <u>02/15/23</u>          		Sample Time (hhmm) <u>1108</u> <u>1455</u> <u>1635</u>          	
Sample Type (C=Comp, G=grab) G G G G G G G G G		Preservation Code WG WG WG          		Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Task Code: WAN-CCR-ASSMT-2023S1 Special Instructions/Note APP III + State Permit Metals	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		Special Instructions/QC Requirements	
Empty Kit Relinquished by _____ Date _____		Relinquished by <u>David Johnson</u> Date/Time: <u>2/16/23 / 0747</u> Company: <u>ACC</u>		Relinquished by <u>Ray Johnson</u> Date/Time: <u>2/16/23</u> Company: <u>Peak</u>	
Relinquished by _____ Date/Time: _____ Company: _____		Relinquished by _____ Date/Time: _____ Company: _____		Relinquished by _____ Date/Time: _____ Company: _____	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks: <u>0.3 - 0.3</u>		Method of Shipment: _____	



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-230703-1

**Login Number: 230703**

**List Source: Eurofins Savannah**

**List Number: 1**

**Creator: Harley, Tynisha**

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



# ANALYTICAL REPORT

## PREPARED FOR

Attn: Robert (Trey) Singleton  
Southern Company  
3535 Colonnade Parkway  
Bin S 530 EC  
Birmingham, Alabama 35243

Generated 3/2/2023 9:20:19 AM Revision 1

## JOB DESCRIPTION

Plant Wansley Landfill

## JOB NUMBER

680-230803-1

# Eurofins Savannah

## Job Notes

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

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

## Authorization



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

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3/2/2023 9:20:19 AM  
Revision 1

# Definitions/Glossary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-1

## Qualifiers

### HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
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
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
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.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Sample Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-230803-1	WAN-GWC-24	Water	02/16/23 11:19	02/18/23 06:30
680-230803-2	WAN-LF-FB-10	Water	02/16/23 11:05	02/18/23 06:30
680-230803-3	WAN-GWC-14	Water	02/17/23 10:48	02/18/23 06:30

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# Case Narrative

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-1

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**Job ID: 680-230803-1**

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**Laboratory: Eurofins Savannah**

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## Narrative

### Job Narrative 680-230803-1

#### Revision 1

The report being provided is a revision of the original report sent on 2/28/2023. The report (revision 1) is being revised in order to correct the QC linking of the dilution analysis of the MS & MSD samples for Boron in Prep batch 764270.

#### Receipt

The samples were received on 2/18/2023 6:30 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 4.3°C

#### HPLC/IC

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

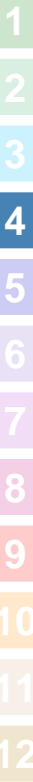
#### Metals

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

#### General Chemistry

Method 2540C: A lesser volume of sample was used for the following sample due to the nature of the sample matrix resulting in elevated reporting limits: WAN-GWC-14.

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





# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-1

**Client Sample ID: WAN-GWC-24**

**Lab Sample ID: 680-230803-1**

Date Collected: 02/16/23 11:19

Matrix: Water

Date Received: 02/18/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.5		1.0	0.20	mg/L			02/22/23 02:33	1
Fluoride	<0.040		0.10	0.040	mg/L			02/22/23 02:33	1
Sulfate	0.40	J	1.0	0.40	mg/L			02/22/23 02:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/21/23 09:52	02/22/23 18:59	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/21/23 09:52	02/22/23 18:59	1
Barium	0.013		0.010	0.00089	mg/L		02/21/23 09:52	02/22/23 18:59	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/21/23 09:52	02/22/23 18:59	1
Boron	0.036	J B	0.080	0.022	mg/L		02/21/23 09:52	02/24/23 16:33	1
Cadmium	0.000080	J	0.0025	0.000078	mg/L		02/21/23 09:52	02/22/23 18:59	1
Calcium	0.19	J	0.50	0.14	mg/L		02/21/23 09:52	02/22/23 18:59	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/21/23 09:52	02/22/23 18:59	1
Cobalt	0.0019	J	0.0025	0.00022	mg/L		02/21/23 09:52	02/22/23 18:59	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/21/23 09:52	02/22/23 18:59	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/21/23 09:52	02/22/23 18:59	1
Nickel	0.0014		0.0010	0.00042	mg/L		02/21/23 09:52	02/22/23 18:59	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/21/23 09:52	02/22/23 18:59	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/21/23 09:52	02/22/23 18:59	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/21/23 09:52	02/22/23 18:59	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/21/23 09:52	02/22/23 18:59	1
Zinc	0.0059		0.0050	0.0028	mg/L		02/21/23 09:52	02/22/23 18:59	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/23 13:57	02/22/23 12:14	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	19		10	10	mg/L			02/22/23 12:05	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.08				SU			02/16/23 11:19	1

**Client Sample ID: WAN-LF-FB-10**

**Lab Sample ID: 680-230803-2**

Date Collected: 02/16/23 11:05

Matrix: Water

Date Received: 02/18/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			02/22/23 02:47	1
Fluoride	<0.040		0.10	0.040	mg/L			02/22/23 02:47	1
Sulfate	<0.40		1.0	0.40	mg/L			02/22/23 02:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/21/23 09:52	02/22/23 18:51	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/21/23 09:52	02/22/23 18:51	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-1

**Client Sample ID: WAN-LF-FB-10**

**Lab Sample ID: 680-230803-2**

Date Collected: 02/16/23 11:05

Matrix: Water

Date Received: 02/18/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<0.00089		0.010	0.00089	mg/L		02/21/23 09:52	02/22/23 18:51	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/21/23 09:52	02/22/23 18:51	1
<b>Boron</b>	<b>0.039</b>	<b>J B</b>	0.080	0.022	mg/L		02/21/23 09:52	02/24/23 16:25	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/21/23 09:52	02/22/23 18:51	1
Calcium	<0.14		0.50	0.14	mg/L		02/21/23 09:52	02/22/23 18:51	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/21/23 09:52	02/22/23 18:51	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/21/23 09:52	02/22/23 18:51	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/21/23 09:52	02/22/23 18:51	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/21/23 09:52	02/22/23 18:51	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/21/23 09:52	02/22/23 18:51	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/21/23 09:52	02/22/23 18:51	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/21/23 09:52	02/22/23 18:51	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/21/23 09:52	02/22/23 18:51	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/21/23 09:52	02/22/23 18:51	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/21/23 09:52	02/22/23 18:51	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/23 13:57	02/22/23 12:18	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	<10		10	10	mg/L			02/22/23 12:05	1

**Client Sample ID: WAN-GWC-14**

**Lab Sample ID: 680-230803-3**

Date Collected: 02/17/23 10:48

Matrix: Water

Date Received: 02/18/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>84</b>		1.0	0.20	mg/L			02/22/23 03:00	1
<b>Fluoride</b>	<b>0.081</b>	<b>J</b>	0.10	0.040	mg/L			02/22/23 03:00	1
<b>Sulfate</b>	<b>5.7</b>		1.0	0.40	mg/L			02/22/23 03:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/21/23 09:52	02/22/23 18:55	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/21/23 09:52	02/22/23 18:55	1
<b>Barium</b>	<b>0.17</b>		0.010	0.00089	mg/L		02/21/23 09:52	02/22/23 18:55	1
<b>Beryllium</b>	<b>0.00030</b>	<b>J</b>	0.0025	0.00020	mg/L		02/21/23 09:52	02/22/23 18:55	1
<b>Boron</b>	<b>0.65</b>	<b>B</b>	0.080	0.022	mg/L		02/21/23 09:52	02/24/23 16:29	1
<b>Cadmium</b>	<b>0.00011</b>	<b>J</b>	0.0025	0.000078	mg/L		02/21/23 09:52	02/22/23 18:55	1
<b>Calcium</b>	<b>23</b>		0.50	0.14	mg/L		02/21/23 09:52	02/22/23 18:55	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/21/23 09:52	02/22/23 18:55	1
<b>Cobalt</b>	<b>0.29</b>		0.0025	0.00022	mg/L		02/21/23 09:52	02/22/23 18:55	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/21/23 09:52	02/22/23 18:55	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/21/23 09:52	02/22/23 18:55	1
<b>Nickel</b>	<b>0.019</b>		0.0010	0.00042	mg/L		02/21/23 09:52	02/22/23 18:55	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/21/23 09:52	02/22/23 18:55	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/21/23 09:52	02/22/23 18:55	1

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# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Wansley Landfill

Job ID: 680-230803-1

**Client Sample ID: WAN-GWC-14**

**Lab Sample ID: 680-230803-3**

Date Collected: 02/17/23 10:48

Matrix: Water

Date Received: 02/18/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.00044	J	0.0010	0.00026	mg/L		02/21/23 09:52	02/22/23 18:55	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/21/23 09:52	02/22/23 18:55	1
Zinc	0.015		0.0050	0.0028	mg/L		02/21/23 09:52	02/22/23 18:55	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/23 13:57	02/22/23 12:11	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	260		40	40	mg/L			02/23/23 13:26	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.73				SU			02/17/23 10:48	1

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-1

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

Lab Sample ID: MB 680-764279/63  
Matrix: Water  
Analysis Batch: 764279

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			02/21/23 23:56	1
Fluoride	<0.040		0.10	0.040	mg/L			02/21/23 23:56	1
Sulfate	<0.40		1.0	0.40	mg/L			02/21/23 23:56	1

Lab Sample ID: LCS 680-764279/64  
Matrix: Water  
Analysis Batch: 764279

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.4		mg/L		104	90 - 110
Fluoride	2.00	2.11		mg/L		106	90 - 110
Sulfate	10.0	10.3		mg/L		103	90 - 110

Lab Sample ID: LCSD 680-764279/65  
Matrix: Water  
Analysis Batch: 764279

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	10.4		mg/L		104	90 - 110	0	15
Fluoride	2.00	2.11		mg/L		106	90 - 110	0	15
Sulfate	10.0	10.3		mg/L		103	90 - 110	0	15

Lab Sample ID: 680-230721-B-14 MS  
Matrix: Water  
Analysis Batch: 764279

Client Sample ID: Matrix Spike  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3.9		10.0	13.7		mg/L		98	80 - 120
Fluoride	0.85		2.00	2.93		mg/L		104	80 - 120
Sulfate	65		10.0	74.1	4	mg/L		93	80 - 120

Lab Sample ID: 680-230721-B-14 MSD  
Matrix: Water  
Analysis Batch: 764279

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3.9		10.0	14.0		mg/L		102	80 - 120	3	15
Fluoride	0.85		2.00	3.01		mg/L		108	80 - 120	3	15
Sulfate	65		10.0	74.4	4	mg/L		97	80 - 120	1	15

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

Lab Sample ID: MB 680-764270/1-A  
Matrix: Water  
Analysis Batch: 764596

Client Sample ID: Method Blank  
Prep Type: Total Recoverable  
Prep Batch: 764270

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/21/23 09:52	02/22/23 18:23	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/21/23 09:52	02/22/23 18:23	1
Barium	<0.00089		0.010	0.00089	mg/L		02/21/23 09:52	02/22/23 18:23	1

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-1

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

**Lab Sample ID: MB 680-764270/1-A**  
**Matrix: Water**  
**Analysis Batch: 764596**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764270**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/21/23 09:52	02/22/23 18:23	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/21/23 09:52	02/22/23 18:23	1
Calcium	<0.14		0.50	0.14	mg/L		02/21/23 09:52	02/22/23 18:23	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/21/23 09:52	02/22/23 18:23	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/21/23 09:52	02/22/23 18:23	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/21/23 09:52	02/22/23 18:23	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/21/23 09:52	02/22/23 18:23	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/21/23 09:52	02/22/23 18:23	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/21/23 09:52	02/22/23 18:23	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/21/23 09:52	02/22/23 18:23	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/21/23 09:52	02/22/23 18:23	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/21/23 09:52	02/22/23 18:23	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/21/23 09:52	02/22/23 18:23	1

**Lab Sample ID: MB 680-764270/1-A**  
**Matrix: Water**  
**Analysis Batch: 764981**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764270**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Boron	0.0248	J	0.080	0.022	mg/L		02/21/23 09:52	02/24/23 15:57	1

**Lab Sample ID: LCS 680-764270/2-A**  
**Matrix: Water**  
**Analysis Batch: 764596**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764270**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0493		mg/L		99	80 - 120
Arsenic	0.100	0.102		mg/L		102	80 - 120
Barium	0.100	0.0976		mg/L		98	80 - 120
Beryllium	0.0500	0.0488		mg/L		98	80 - 120
Cadmium	0.0500	0.0492		mg/L		98	80 - 120
Calcium	5.00	5.14		mg/L		103	80 - 120
Chromium	0.100	0.0952		mg/L		95	80 - 120
Cobalt	0.0500	0.0510		mg/L		102	80 - 120
Copper	0.100	0.106		mg/L		106	80 - 120
Lead	0.505	0.497		mg/L		98	80 - 120
Nickel	0.100	0.102		mg/L		102	80 - 120
Selenium	0.100	0.104		mg/L		104	80 - 120
Silver	0.0500	0.0491		mg/L		98	80 - 120
Thallium	0.0500	0.0477		mg/L		95	80 - 120
Vanadium	0.100	0.104		mg/L		104	80 - 120
Zinc	0.100	0.0987		mg/L		99	80 - 120

**Lab Sample ID: LCS 680-764270/2-A**  
**Matrix: Water**  
**Analysis Batch: 764981**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764270**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.200	0.218		mg/L		109	80 - 120

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-1

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

**Lab Sample ID: 680-230804-E-2-B MS**  
**Matrix: Water**  
**Analysis Batch: 764596**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764270**

Analyte	Sample	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec	
	Result			Result	Qualifier				Limits	Limits
Antimony	0.0037		0.0500	0.0539		mg/L		101	75 - 125	
Arsenic	0.083		0.100	0.182		mg/L		99	75 - 125	
Barium	0.075		0.100	0.168		mg/L		93	75 - 125	
Beryllium	0.00022	J	0.0500	0.0497		mg/L		99	75 - 125	
Cadmium	0.00025	J	0.0500	0.0495		mg/L		99	75 - 125	
Chromium	0.0039		0.100	0.0994		mg/L		95	75 - 125	
Cobalt	0.00052	J	0.0500	0.0519		mg/L		103	75 - 125	
Copper	0.0014	J	0.100	0.107		mg/L		106	75 - 125	
Lead	0.0018		0.505	0.509		mg/L		100	75 - 125	
Nickel	0.0023		0.100	0.103		mg/L		101	75 - 125	
Selenium	0.0013	J	0.100	0.107		mg/L		105	75 - 125	
Silver	<0.00039		0.0500	0.0486		mg/L		97	75 - 125	
Thallium	0.00097	J	0.0500	0.0505		mg/L		99	75 - 125	
Vanadium	0.24		0.100	0.327		mg/L		87	75 - 125	
Zinc	0.0091		0.100	0.103		mg/L		94	75 - 125	

**Lab Sample ID: 680-230804-E-2-B MS ^100**  
**Matrix: Water**  
**Analysis Batch: 764981**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764270**

Analyte	Sample	Sample Qualifier	Spike Added	MS		Unit	D	%Rec	%Rec	
	Result			Result	Qualifier				Limits	Limits
Boron	49	B	0.200	47.6	4	mg/L		-574	75 - 125	

**Lab Sample ID: 680-230804-E-2-C MSD**  
**Matrix: Water**  
**Analysis Batch: 764596**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764270**

Analyte	Sample	Sample Qualifier	Spike Added	MSD		Unit	D	%Rec	%Rec		RPD	
	Result			Result	Qualifier				Limits	Limits	RPD	Limit
Antimony	0.0037		0.0500	0.0582		mg/L		109	75 - 125	8	20	
Arsenic	0.083		0.100	0.194		mg/L		111	75 - 125	7	20	
Barium	0.075		0.100	0.177		mg/L		102	75 - 125	5	20	
Beryllium	0.00022	J	0.0500	0.0510		mg/L		102	75 - 125	3	20	
Cadmium	0.00025	J	0.0500	0.0525		mg/L		104	75 - 125	6	20	
Chromium	0.0039		0.100	0.104		mg/L		101	75 - 125	5	20	
Cobalt	0.00052	J	0.0500	0.0553		mg/L		110	75 - 125	6	20	
Copper	0.0014	J	0.100	0.115		mg/L		114	75 - 125	7	20	
Lead	0.0018		0.505	0.546		mg/L		108	75 - 125	7	20	
Nickel	0.0023		0.100	0.110		mg/L		108	75 - 125	7	20	
Selenium	0.0013	J	0.100	0.116		mg/L		115	75 - 125	8	20	
Silver	<0.00039		0.0500	0.0509		mg/L		102	75 - 125	5	20	
Thallium	0.00097	J	0.0500	0.0543		mg/L		107	75 - 125	7	20	
Vanadium	0.24		0.100	0.345		mg/L		105	75 - 125	5	20	
Zinc	0.0091		0.100	0.114		mg/L		105	75 - 125	10	20	

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-1

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

Lab Sample ID: 680-230804-E-2-C MSD ^100  
Matrix: Water  
Analysis Batch: 764981

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total Recoverable  
Prep Batch: 764270

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	49	B	0.200	47.3	4	mg/L		-711	75 - 125	1	20

## Method: 7470A - Mercury

Lab Sample ID: MB 680-764336/1-A  
Matrix: Water  
Analysis Batch: 764581

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 764336

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/23 13:57	02/22/23 11:54	1

Lab Sample ID: LCS 680-764336/2-A  
Matrix: Water  
Analysis Batch: 764581

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 764336

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00266		mg/L		107	80 - 120

Lab Sample ID: 680-230805-G-12-E MS  
Matrix: Water  
Analysis Batch: 764581

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 764336

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.000080		0.00100	0.000984		mg/L		98	80 - 120

Lab Sample ID: 680-230805-G-12-F MSD  
Matrix: Water  
Analysis Batch: 764581

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 764336

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000080		0.00100	0.000998		mg/L		100	80 - 120	1	20

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

Lab Sample ID: MB 680-764476/1  
Matrix: Water  
Analysis Batch: 764476

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/22/23 12:05	1

Lab Sample ID: LCS 680-764476/2  
Matrix: Water  
Analysis Batch: 764476

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	2340	2420		mg/L		103	80 - 120

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-1

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

**Lab Sample ID: LCSD 680-764476/3**  
**Matrix: Water**  
**Analysis Batch: 764476**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	2340	2400		mg/L	-	102	80 - 120	1	25

**Lab Sample ID: 680-230718-B-1 DU**  
**Matrix: Water**  
**Analysis Batch: 764476**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1200		1230		mg/L	-	2	5

**Lab Sample ID: MB 680-764716/1**  
**Matrix: Water**  
**Analysis Batch: 764716**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L	-		02/23/23 13:26	1

**Lab Sample ID: LCS 680-764716/2**  
**Matrix: Water**  
**Analysis Batch: 764716**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	2340	2410		mg/L	-	103	80 - 120

**Lab Sample ID: LCSD 680-764716/3**  
**Matrix: Water**  
**Analysis Batch: 764716**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	2340	2360		mg/L	-	101	80 - 120	2	25

**Lab Sample ID: 680-230845-F-2 DU**  
**Matrix: Water**  
**Analysis Batch: 764716**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	400		406		mg/L	-	1	5



# QC Association Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-1

## HPLC/IC

### Analysis Batch: 764279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230803-1	WAN-GWC-24	Total/NA	Water	300.0-1993 R2.1	
680-230803-2	WAN-LF-FB-10	Total/NA	Water	300.0-1993 R2.1	
680-230803-3	WAN-GWC-14	Total/NA	Water	300.0-1993 R2.1	
MB 680-764279/63	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-764279/64	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-764279/65	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
680-230721-B-14 MS	Matrix Spike	Total/NA	Water	300.0-1993 R2.1	
680-230721-B-14 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0-1993 R2.1	

## Metals

### Prep Batch: 764270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230803-1	WAN-GWC-24	Total Recoverable	Water	3005A	
680-230803-2	WAN-LF-FB-10	Total Recoverable	Water	3005A	
680-230803-3	WAN-GWC-14	Total Recoverable	Water	3005A	
MB 680-764270/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-764270/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-230804-E-2-B MS	Matrix Spike	Total Recoverable	Water	3005A	
680-230804-E-2-B MS ^100	Matrix Spike	Total Recoverable	Water	3005A	
680-230804-E-2-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	
680-230804-E-2-C MSD ^100	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Prep Batch: 764336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230803-1	WAN-GWC-24	Total/NA	Water	7470A	
680-230803-2	WAN-LF-FB-10	Total/NA	Water	7470A	
680-230803-3	WAN-GWC-14	Total/NA	Water	7470A	
MB 680-764336/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-764336/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-230805-G-12-E MS	Matrix Spike	Total/NA	Water	7470A	
680-230805-G-12-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Analysis Batch: 764581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230803-1	WAN-GWC-24	Total/NA	Water	7470A	764336
680-230803-2	WAN-LF-FB-10	Total/NA	Water	7470A	764336
680-230803-3	WAN-GWC-14	Total/NA	Water	7470A	764336
MB 680-764336/1-A	Method Blank	Total/NA	Water	7470A	764336
LCS 680-764336/2-A	Lab Control Sample	Total/NA	Water	7470A	764336
680-230805-G-12-E MS	Matrix Spike	Total/NA	Water	7470A	764336
680-230805-G-12-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	764336

### Analysis Batch: 764596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230803-1	WAN-GWC-24	Total Recoverable	Water	6020B	764270
680-230803-2	WAN-LF-FB-10	Total Recoverable	Water	6020B	764270
680-230803-3	WAN-GWC-14	Total Recoverable	Water	6020B	764270
MB 680-764270/1-A	Method Blank	Total Recoverable	Water	6020B	764270
LCS 680-764270/2-A	Lab Control Sample	Total Recoverable	Water	6020B	764270
680-230804-E-2-B MS	Matrix Spike	Total Recoverable	Water	6020B	764270

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# QC Association Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-1

## Metals (Continued)

### Analysis Batch: 764596 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230804-E-2-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	764270

### Analysis Batch: 764981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230803-1	WAN-GWC-24	Total Recoverable	Water	6020B	764270
680-230803-2	WAN-LF-FB-10	Total Recoverable	Water	6020B	764270
680-230803-3	WAN-GWC-14	Total Recoverable	Water	6020B	764270
MB 680-764270/1-A	Method Blank	Total Recoverable	Water	6020B	764270
LCS 680-764270/2-A	Lab Control Sample	Total Recoverable	Water	6020B	764270
680-230804-E-2-B MS ^100	Matrix Spike	Total Recoverable	Water	6020B	764270
680-230804-E-2-C MSD ^100	Matrix Spike Duplicate	Total Recoverable	Water	6020B	764270

## General Chemistry

### Analysis Batch: 764476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230803-1	WAN-GWC-24	Total/NA	Water	2540C-2011	
680-230803-2	WAN-LF-FB-10	Total/NA	Water	2540C-2011	
MB 680-764476/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-764476/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-764476/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-230718-B-1 DU	Duplicate	Total/NA	Water	2540C-2011	

### Analysis Batch: 764716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230803-3	WAN-GWC-14	Total/NA	Water	2540C-2011	
MB 680-764716/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-764716/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-764716/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-230845-F-2 DU	Duplicate	Total/NA	Water	2540C-2011	

## Field Service / Mobile Lab

### Analysis Batch: 764382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230803-1	WAN-GWC-24	Total/NA	Water	Field Sampling	
680-230803-3	WAN-GWC-14	Total/NA	Water	Field Sampling	

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-1

**Client Sample ID: WAN-GWC-24**

**Lab Sample ID: 680-230803-1**

**Date Collected: 02/16/23 11:19**

**Matrix: Water**

**Date Received: 02/18/23 06:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	764279	02/22/23 02:33	UI	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764270	02/21/23 09:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764596	02/22/23 18:59	BWR	EET SAV
Instrument ID: ICPMSC										
Total Recoverable	Prep	3005A			25 mL	125 mL	764270	02/21/23 09:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 16:33	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764336	02/21/23 13:57	BCB	EET SAV
Total/NA	Analysis	7470A		1			764581	02/22/23 12:14	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	764476	02/22/23 12:05	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			764382	02/16/23 11:19	P1C	EET SAV
Instrument ID: NOEQUIP										

**Client Sample ID: WAN-LF-FB-10**

**Lab Sample ID: 680-230803-2**

**Date Collected: 02/16/23 11:05**

**Matrix: Water**

**Date Received: 02/18/23 06:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	764279	02/22/23 02:47	UI	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764270	02/21/23 09:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764596	02/22/23 18:51	BWR	EET SAV
Instrument ID: ICPMSC										
Total Recoverable	Prep	3005A			25 mL	125 mL	764270	02/21/23 09:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 16:25	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764336	02/21/23 13:57	BCB	EET SAV
Total/NA	Analysis	7470A		1			764581	02/22/23 12:18	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	764476	02/22/23 12:05	PG	EET SAV
Instrument ID: NOEQUIP										

**Client Sample ID: WAN-GWC-14**

**Lab Sample ID: 680-230803-3**

**Date Collected: 02/17/23 10:48**

**Matrix: Water**

**Date Received: 02/18/23 06:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	764279	02/22/23 03:00	UI	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764270	02/21/23 09:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764596	02/22/23 18:55	BWR	EET SAV
Instrument ID: ICPMSC										

Eurofins Savannah

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Wansley Landfill

Job ID: 680-230803-1

**Client Sample ID: WAN-GWC-14**

**Lab Sample ID: 680-230803-3**

**Date Collected: 02/17/23 10:48**

**Matrix: Water**

**Date Received: 02/18/23 06:30**

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	125 mL	764270	02/21/23 09:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 16:29	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764336	02/21/23 13:57	BCB	EET SAV
Total/NA	Analysis	7470A		1			764581	02/22/23 12:11	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	764716	02/23/23 13:26	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			764382	02/17/23 10:48	P1C	EET SAV
Instrument ID: NOEQUIP										

**Laboratory References:**

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



# Accreditation/Certification Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-1

## Laboratory: Eurofins Savannah

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

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

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

# Method Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-1

Method	Method Description	Protocol	Laboratory
300.0-1993 R2.1	Anions, Ion Chromatography	MCAWW	EET SAV
6020B	Metals (ICP/MS)	SW846	EET SAV
7470A	Mercury	SW846	EET SAV
2540C-2011	Total Dissolved Solids (Dried at 180 °C)	SM	EET SAV
Field Sampling	Field Sampling	EPA	EET SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV
7470A	Preparation, Mercury	SW846	EET SAV

#### Protocol References:

EPA = US Environmental Protection Agency

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

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

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

#### Laboratory References:

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

**Chain of Custody Record**

<b>Client Information</b> Client Contact: SCS Contacts Company: GA Power		Lab P.M.: Fuller David E-Mail: david.fuller@et.eurofins.com		Carrier Tracking No(s)		COC No: Page: 1051 Job #:	
Address: 241 Ralph McGill Blvd SE City: Atlanta State Zip: GA, 30308 Phone: 404-506-7116(Tel) Email:		Due Date Requested: TAT Requested (days) Standard Lab Project #: 68027763 PO #:		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 Other:	
Project Name: Plant Wansley Landfill Site:		Perform MS/MSD (Yes or No) Field Filtered Sample (Yes or No)		APF III and State Permit Metals (EPA 6020 & 7470) As B Ba B Cr Cd Cu Pb Ni Sb Se Ag Tl V Zn Hg C T SO <sub>4</sub> & TDS EPA 300.0 & SM 2540C		Task Code: WAN-CCR-ASSMT-2023S1 Special Instructions/Note: APP III + State Permit Metals	
<b>Sample Identification</b> WAN-GWC-24 WAN-LF-FB-10 WAN-GWC-14 WAN- WAN- WAN- WAN- WAN- WAN- WAN- WAN-		Sample Date (mm/dd/yy) 02/16/23 02/16/23 02/17/23		Sample Time (hhmm) 1119 1105 1048		Sample Type (C=Comp, G=grab) G G G G G G G G G G	
Mark (if Ground water, W=Surface water, W=Quality control) Preservation Code: G WG G WQ G WG		Total Number of Containers 3 3 3		pH= 5.08 pH= pH= 5.73 pH= pH= pH= pH= pH= pH= pH= pH=		Total Number of Containers 3 3 3	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months		Special Instructions/QC Requirements		Method of Shipment:	
Deliverable Requested I, II, III, IV, Other (specify)		Empty Kit Relinquished by:		Date:		Time:	
Relinquished by: <i>David Fuller</i>		Date/Time: 2/17/23 1427		Company: ACC		Received by: <i>Michael Mascher</i> Date/Time: 2/17/23 14:27	
Relinquished by: <i>Michael Mascher</i>		Date/Time: 2-17-23 1427		Company:		Received by: <i>[Signature]</i> Date/Time: 2/18/23	
Relinquished by:		Date/Time:		Company:		Received by:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: 4.3/4.3		Company:	



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-230803-1

**Login Number: 230803**

**List Source: Eurofins Savannah**

**List Number: 1**

**Creator: Johnson, Corey M**

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





# ANALYTICAL REPORT

## PREPARED FOR

Attn: Robert (Trey) Singleton  
Southern Company  
3535 Colonnade Parkway  
Bin S 530 EC  
Birmingham, Alabama 35243

Generated 3/20/2023 3:52:02 PM Revision 1

## JOB DESCRIPTION

Plant Wansley Landfill

## JOB NUMBER

680-230973-1

# Eurofins Savannah

## Job Notes

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

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

## Authorization



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

Generated  
3/20/2023 3:52:02 PM  
Revision 1

# Definitions/Glossary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

## Qualifiers

### HPLC/IC

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

### Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
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.

### General Chemistry

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

## Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
α	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

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# Sample Summary

Client: Southern Company  
 Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-230973-1	WAN-GWC-5	Water	02/20/23 10:15	02/23/23 06:30
680-230973-2	WAN-GWC-6	Water	02/20/23 11:30	02/23/23 06:30
680-230973-3	WAN-GWC-16	Water	02/20/23 15:12	02/23/23 06:30
680-230973-4	WAN-GWC-17	Water	02/20/23 16:10	02/23/23 06:30
680-230973-5	WAN-GWC-27	Water	02/20/23 12:40	02/23/23 06:30
680-230973-6	WAN-GWC-33	Water	02/20/23 12:08	02/23/23 06:30
680-230973-7	WAN-GWC-34	Water	02/20/23 13:37	02/23/23 06:30
680-230973-8	WAN-GWC-35	Water	02/20/23 14:10	02/23/23 06:30
680-230973-9	WAN-GWC-18	Water	02/20/23 16:18	02/23/23 06:30
680-230973-10	WAN-LF-FD-04	Water	02/20/23 00:00	02/23/23 06:30
680-230973-11	WAN-LF-EB-05	Water	02/20/23 14:00	02/23/23 06:30
680-230973-12	WAN-GWC-7	Water	02/21/23 14:16	02/23/23 06:30
680-230973-13	WAN-GWC-11	Water	02/21/23 14:55	02/23/23 06:30
680-230973-14	WAN-GWC-13	Water	02/21/23 16:35	02/23/23 06:30
680-230973-15	WAN-GWC-15	Water	02/21/23 09:44	02/23/23 06:30
680-230973-16	WAN-GWC-19	Water	02/21/23 15:33	02/23/23 06:30
680-230973-17	WAN-GWC-21	Water	02/21/23 16:50	02/23/23 06:30
680-230973-18	WAN-GWC-23	Water	02/21/23 13:05	02/23/23 06:30
680-230973-19	WAN-GWC-25	Water	02/21/23 12:08	02/23/23 06:30
680-230973-20	WAN-GWC-26	Water	02/21/23 11:45	02/23/23 06:30
680-230973-21	WAN-LF-FB-11	Water	02/21/23 14:50	02/23/23 06:30
680-230973-22	WAN-LF-EB-06	Water	02/21/23 12:35	02/23/23 06:30
680-230973-23	WAN-GWC-31	Water	02/22/23 09:41	02/23/23 06:30
680-230973-24	WAN-GWC-20	Water	02/22/23 11:05	02/23/23 06:30
680-230973-25	WAN-LF-EB-07	Water	02/22/23 09:45	02/23/23 06:30
680-230973-26	WAN-LF-FD-05	Water	02/22/23 00:00	02/23/23 06:30



# Case Narrative

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

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**Job ID: 680-230973-1**

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**Laboratory: Eurofins Savannah**

## Narrative

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### Job Narrative 680-230973-1

#### Revision 1

The report being provided is a revision of the original report sent on 3/9/2023. The report (revision 1) is being revised in order to re-analyze WAN-GWC-15 (680-230973-15) for metals by 6020B for confirmation of Zinc results.

#### Receipt

The samples were received on 2/23/2023 6:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.6°C, 2.0°C and 5.5°C

#### HPLC/IC

Method 300\_ORGFM\_28D: The matrix spike / matrix spike duplicate (MS/MSD) recoveries for analytical batch 680-766171 were outside control limits for one or more analytes, see QC Sample Results for detail. Sample matrix interference and/or non-homogeneity are suspected because the associated laboratory control sample (LCS) recovery is 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

Method 2540C: A lesser volume of sample was used for the following samples due to the nature of the sample matrix resulting in elevated reporting limits: WAN-GWC-5, WAN-LF-FD-04 and WAN-GWC-7.

Method 2540C: The sample duplicate precision for the following sample associated with analytical batch 680-764873 was outside control limits: (680-230973-B-1 DU). The associated Laboratory Control Sample / Laboratory Control Sample Duplicate (LCS/LCSD) precision met acceptance criteria.

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

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

**Client Sample ID: WAN-GWC-5**

**Lab Sample ID: 680-230973-1**

Date Collected: 02/20/23 10:15

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.4		1.0	0.20	mg/L			03/03/23 23:56	1
Fluoride	0.092	J	0.10	0.040	mg/L			03/03/23 23:56	1
Sulfate	25		1.0	0.40	mg/L			03/03/23 23:56	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/23/23 12:38	02/24/23 21:14	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/23/23 12:38	02/24/23 21:14	1
Barium	0.026		0.010	0.00089	mg/L		02/23/23 12:38	02/24/23 21:14	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/23/23 12:38	02/24/23 21:14	1
Boron	<0.022	F1	0.080	0.022	mg/L		02/23/23 12:38	02/24/23 21:14	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/23/23 12:38	02/24/23 21:14	1
Calcium	30		0.50	0.14	mg/L		02/23/23 12:38	02/24/23 21:14	1
Chromium	0.0017	J	0.0020	0.0012	mg/L		02/23/23 12:38	02/24/23 21:14	1
Cobalt	0.0040		0.0025	0.00022	mg/L		02/23/23 12:38	02/24/23 21:14	1
Copper	<0.0011	F1	0.0020	0.0011	mg/L		02/23/23 12:38	02/24/23 21:14	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/23/23 12:38	02/24/23 21:14	1
Nickel	0.0038		0.0010	0.00042	mg/L		02/23/23 12:38	02/24/23 21:14	1
Selenium	<0.00099	F1	0.0050	0.00099	mg/L		02/23/23 12:38	02/24/23 21:14	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/23/23 12:38	02/24/23 21:14	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/23/23 12:38	02/24/23 21:14	1
Vanadium	0.0029	F1	0.0020	0.00063	mg/L		02/23/23 12:38	02/24/23 21:14	1
Zinc	0.0033	J	0.0050	0.0028	mg/L		02/23/23 12:38	02/24/23 21:14	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/23 15:14	02/27/23 15:08	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	200		40	40	mg/L			02/24/23 11:25	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.28				SU			02/20/23 10:15	1

**Client Sample ID: WAN-GWC-6**

**Lab Sample ID: 680-230973-2**

Date Collected: 02/20/23 11:30

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.7		1.0	0.20	mg/L			03/04/23 00:36	1
Fluoride	0.079	J	0.10	0.040	mg/L			03/04/23 00:36	1
Sulfate	9.8		1.0	0.40	mg/L			03/04/23 00:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/23/23 12:38	02/24/23 21:26	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/23/23 12:38	02/24/23 21:26	1

Eurofins Savannah

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

**Client Sample ID: WAN-GWC-6**

**Lab Sample ID: 680-230973-2**

Date Collected: 02/20/23 11:30

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Barium</b>	<b>0.059</b>		0.010	0.00089	mg/L		02/23/23 12:38	02/24/23 21:26	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/23/23 12:38	02/24/23 21:26	1
<b>Boron</b>	<b>0.022</b>	<b>J</b>	0.080	0.022	mg/L		02/23/23 12:38	02/24/23 21:26	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/23/23 12:38	02/24/23 21:26	1
<b>Calcium</b>	<b>15</b>		0.50	0.14	mg/L		02/23/23 12:38	02/24/23 21:26	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/23/23 12:38	02/24/23 21:26	1
<b>Cobalt</b>	<b>0.013</b>		0.0025	0.00022	mg/L		02/23/23 12:38	02/24/23 21:26	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/23/23 12:38	02/24/23 21:26	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/23/23 12:38	02/24/23 21:26	1
<b>Nickel</b>	<b>0.0057</b>		0.0010	0.00042	mg/L		02/23/23 12:38	02/24/23 21:26	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/23/23 12:38	02/24/23 21:26	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/23/23 12:38	02/24/23 21:26	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/23/23 12:38	02/24/23 21:26	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/23/23 12:38	02/24/23 21:26	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/23/23 12:38	02/24/23 21:26	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/23 15:14	02/27/23 15:10	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C-2011)</b>	<b>130</b>		10	10	mg/L			02/24/23 11:25	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Field pH</b>	<b>5.94</b>				SU			02/20/23 11:30	1

**Client Sample ID: WAN-GWC-16**

**Lab Sample ID: 680-230973-3**

Date Collected: 02/20/23 15:12

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>1.4</b>		1.0	0.20	mg/L			03/04/23 00:49	1
<b>Fluoride</b>	<b>0.046</b>	<b>J</b>	0.10	0.040	mg/L			03/04/23 00:49	1
Sulfate	<0.40		1.0	0.40	mg/L			03/04/23 00:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/23/23 12:38	02/24/23 21:30	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/23/23 12:38	02/24/23 21:30	1
<b>Barium</b>	<b>0.018</b>		0.010	0.00089	mg/L		02/23/23 12:38	02/24/23 21:30	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/23/23 12:38	02/24/23 21:30	1
Boron	<0.022		0.080	0.022	mg/L		02/23/23 12:38	02/24/23 21:30	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/23/23 12:38	02/24/23 21:30	1
<b>Calcium</b>	<b>7.5</b>		0.50	0.14	mg/L		02/23/23 12:38	02/24/23 21:30	1
<b>Chromium</b>	<b>0.0027</b>		0.0020	0.0012	mg/L		02/23/23 12:38	02/24/23 21:30	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/23/23 12:38	02/24/23 21:30	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/23/23 12:38	02/24/23 21:30	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

**Client Sample ID: WAN-GWC-16**

**Lab Sample ID: 680-230973-3**

Date Collected: 02/20/23 15:12

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.00025	J	0.0010	0.00021	mg/L		02/23/23 12:38	02/24/23 21:30	1
Nickel	0.00062	J	0.0010	0.00042	mg/L		02/23/23 12:38	02/24/23 21:30	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/23/23 12:38	02/24/23 21:30	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/23/23 12:38	02/24/23 21:30	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/23/23 12:38	02/24/23 21:30	1
Vanadium	0.0040		0.0020	0.00063	mg/L		02/23/23 12:38	02/24/23 21:30	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/23/23 12:38	02/24/23 21:30	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/23 15:14	02/27/23 15:17	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	90		10	10	mg/L			02/24/23 11:25	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.08				SU			02/20/23 15:12	1

**Client Sample ID: WAN-GWC-17**

**Lab Sample ID: 680-230973-4**

Date Collected: 02/20/23 16:10

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.2		1.0	0.20	mg/L			03/04/23 01:02	1
Fluoride	0.046	J	0.10	0.040	mg/L			03/04/23 01:02	1
Sulfate	0.50	J	1.0	0.40	mg/L			03/04/23 01:02	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/23/23 12:38	02/24/23 21:34	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/23/23 12:38	02/24/23 21:34	1
Barium	0.025		0.010	0.00089	mg/L		02/23/23 12:38	02/24/23 21:34	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/23/23 12:38	02/24/23 21:34	1
Boron	<0.022		0.080	0.022	mg/L		02/23/23 12:38	02/24/23 21:34	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/23/23 12:38	02/24/23 21:34	1
Calcium	13		0.50	0.14	mg/L		02/23/23 12:38	02/24/23 21:34	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/23/23 12:38	02/24/23 21:34	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/23/23 12:38	02/24/23 21:34	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/23/23 12:38	02/24/23 21:34	1
Lead	0.00027	J	0.0010	0.00021	mg/L		02/23/23 12:38	02/24/23 21:34	1
Nickel	0.00057	J	0.0010	0.00042	mg/L		02/23/23 12:38	02/24/23 21:34	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/23/23 12:38	02/24/23 21:34	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/23/23 12:38	02/24/23 21:34	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/23/23 12:38	02/24/23 21:34	1
Vanadium	0.0021		0.0020	0.00063	mg/L		02/23/23 12:38	02/24/23 21:34	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/23/23 12:38	02/24/23 21:34	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

**Client Sample ID: WAN-GWC-17**

**Lab Sample ID: 680-230973-4**

Date Collected: 02/20/23 16:10

Matrix: Water

Date Received: 02/23/23 06:30

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/23 15:14	02/27/23 15:19	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	100		10	10	mg/L			02/24/23 11:25	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.06				SU			02/20/23 16:10	1

**Client Sample ID: WAN-GWC-27**

**Lab Sample ID: 680-230973-5**

Date Collected: 02/20/23 12:40

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.92	J	1.0	0.20	mg/L			03/04/23 01:15	1
Fluoride	0.16		0.10	0.040	mg/L			03/04/23 01:15	1
Sulfate	0.47	J	1.0	0.40	mg/L			03/04/23 01:15	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/23/23 12:38	02/24/23 21:38	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/23/23 12:38	02/24/23 21:38	1
Barium	0.0098	J	0.010	0.00089	mg/L		02/23/23 12:38	02/24/23 21:38	1
Beryllium	0.0016	J	0.0025	0.00020	mg/L		02/23/23 12:38	02/24/23 21:38	1
Boron	<0.022		0.080	0.022	mg/L		02/23/23 12:38	02/24/23 21:38	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/23/23 12:38	02/24/23 21:38	1
Calcium	1.1		0.50	0.14	mg/L		02/23/23 12:38	02/24/23 21:38	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/23/23 12:38	02/24/23 21:38	1
Cobalt	0.0023	J	0.0025	0.00022	mg/L		02/23/23 12:38	02/24/23 21:38	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/23/23 12:38	02/24/23 21:38	1
Lead	0.00029	J	0.0010	0.00021	mg/L		02/23/23 12:38	02/24/23 21:38	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/23/23 12:38	02/24/23 21:38	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/23/23 12:38	02/24/23 21:38	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/23/23 12:38	02/24/23 21:38	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/23/23 12:38	02/24/23 21:38	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/23/23 12:38	02/24/23 21:38	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/23/23 12:38	02/24/23 21:38	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/23 15:14	02/27/23 15:21	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	34		10	10	mg/L			02/24/23 11:25	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

**Client Sample ID: WAN-GWC-27**

**Lab Sample ID: 680-230973-5**

Date Collected: 02/20/23 12:40

Matrix: Water

Date Received: 02/23/23 06:30

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.33				SU			02/20/23 12:40	1

**Client Sample ID: WAN-GWC-33**

**Lab Sample ID: 680-230973-6**

Date Collected: 02/20/23 12:08

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.8		1.0	0.20	mg/L			03/04/23 01:28	1
Fluoride	2.4		0.10	0.040	mg/L			03/04/23 01:28	1
Sulfate	7.5		1.0	0.40	mg/L			03/04/23 01:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/23/23 12:38	02/24/23 21:42	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/23/23 12:38	02/24/23 21:42	1
Barium	0.0056	J	0.010	0.00089	mg/L		02/23/23 12:38	02/24/23 21:42	1
Beryllium	0.00044	J	0.0025	0.00020	mg/L		02/23/23 12:38	02/24/23 21:42	1
Boron	0.022	J	0.080	0.022	mg/L		02/23/23 12:38	02/24/23 21:42	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/23/23 12:38	02/24/23 21:42	1
Calcium	17		0.50	0.14	mg/L		02/23/23 12:38	02/24/23 21:42	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/23/23 12:38	02/24/23 21:42	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/23/23 12:38	02/24/23 21:42	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/23/23 12:38	02/24/23 21:42	1
Lead	0.00027	J	0.0010	0.00021	mg/L		02/23/23 12:38	02/24/23 21:42	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/23/23 12:38	02/24/23 21:42	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/23/23 12:38	02/24/23 21:42	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/23/23 12:38	02/24/23 21:42	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/23/23 12:38	02/24/23 21:42	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/23/23 12:38	02/24/23 21:42	1
Zinc	0.0038	J	0.0050	0.0028	mg/L		02/23/23 12:38	02/24/23 21:42	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/23 15:14	02/27/23 15:23	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	87		10	10	mg/L			02/24/23 11:25	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.21				SU			02/20/23 12:08	1

**Client Sample ID: WAN-GWC-34**

**Lab Sample ID: 680-230973-7**

Date Collected: 02/20/23 13:37

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.1		1.0	0.20	mg/L			03/06/23 16:28	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

**Client Sample ID: WAN-GWC-34**

**Lab Sample ID: 680-230973-7**

Date Collected: 02/20/23 13:37

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.13		0.10	0.040	mg/L			03/06/23 16:28	1
Sulfate	1.0		1.0	0.40	mg/L			03/06/23 16:28	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/23/23 12:38	02/24/23 21:54	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/23/23 12:38	02/24/23 21:54	1
Barium	0.015		0.010	0.00089	mg/L		02/23/23 12:38	02/24/23 21:54	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/23/23 12:38	02/24/23 21:54	1
Boron	<0.022		0.080	0.022	mg/L		02/23/23 12:38	02/24/23 21:54	1
Cadmium	0.00014	J	0.0025	0.000078	mg/L		02/23/23 12:38	02/24/23 21:54	1
Calcium	3.6		0.50	0.14	mg/L		02/23/23 12:38	02/24/23 21:54	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/23/23 12:38	02/24/23 21:54	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/23/23 12:38	02/24/23 21:54	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/23/23 12:38	02/24/23 21:54	1
Lead	0.00026	J	0.0010	0.00021	mg/L		02/23/23 12:38	02/24/23 21:54	1
Nickel	0.00077	J	0.0010	0.00042	mg/L		02/23/23 12:38	02/24/23 21:54	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/23/23 12:38	02/24/23 21:54	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/23/23 12:38	02/24/23 21:54	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/23/23 12:38	02/24/23 21:54	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/23/23 12:38	02/24/23 21:54	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/23/23 12:38	02/24/23 21:54	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/23 15:14	02/27/23 15:25	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	48		10	10	mg/L			02/24/23 11:25	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.96				SU			02/20/23 13:37	1

**Client Sample ID: WAN-GWC-35**

**Lab Sample ID: 680-230973-8**

Date Collected: 02/20/23 14:10

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.8		1.0	0.20	mg/L			03/06/23 12:31	1
Fluoride	<0.040		0.10	0.040	mg/L			03/06/23 12:31	1
Sulfate	2.2		1.0	0.40	mg/L			03/06/23 12:31	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/23/23 12:38	02/24/23 21:58	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/23/23 12:38	02/24/23 21:58	1
Barium	0.031		0.010	0.00089	mg/L		02/23/23 12:38	02/24/23 21:58	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

**Client Sample ID: WAN-GWC-35**

**Lab Sample ID: 680-230973-8**

Date Collected: 02/20/23 14:10

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/23/23 12:38	02/24/23 21:58	1
<b>Boron</b>	<b>0.024</b>	<b>J</b>	0.080	0.022	mg/L		02/23/23 12:38	02/24/23 21:58	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/23/23 12:38	02/24/23 21:58	1
<b>Calcium</b>	<b>3.0</b>		0.50	0.14	mg/L		02/23/23 12:38	02/24/23 21:58	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/23/23 12:38	02/24/23 21:58	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/23/23 12:38	02/24/23 21:58	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/23/23 12:38	02/24/23 21:58	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/23/23 12:38	02/24/23 21:58	1
<b>Nickel</b>	<b>0.0012</b>		0.0010	0.00042	mg/L		02/23/23 12:38	02/24/23 21:58	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/23/23 12:38	02/24/23 21:58	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/23/23 12:38	02/24/23 21:58	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/23/23 12:38	02/24/23 21:58	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/23/23 12:38	02/24/23 21:58	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/23/23 12:38	02/24/23 21:58	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/23 15:14	02/27/23 15:27	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C-2011)</b>	<b>53</b>		10	10	mg/L			02/24/23 11:25	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Field pH</b>	<b>5.51</b>				SU			02/20/23 14:10	1

**Client Sample ID: WAN-GWC-18**

**Lab Sample ID: 680-230973-9**

Date Collected: 02/20/23 16:18

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>1.5</b>		1.0	0.20	mg/L			03/06/23 12:44	1
Fluoride	<0.040		0.10	0.040	mg/L			03/06/23 12:44	1
<b>Sulfate</b>	<b>0.41</b>	<b>J</b>	1.0	0.40	mg/L			03/06/23 12:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/23/23 12:38	02/24/23 22:02	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/23/23 12:38	02/24/23 22:02	1
<b>Barium</b>	<b>0.043</b>		0.010	0.00089	mg/L		02/23/23 12:38	02/24/23 22:02	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/23/23 12:38	02/24/23 22:02	1
Boron	<0.022		0.080	0.022	mg/L		02/23/23 12:38	02/24/23 22:02	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/23/23 12:38	02/24/23 22:02	1
<b>Calcium</b>	<b>8.5</b>		0.50	0.14	mg/L		02/23/23 12:38	02/24/23 22:02	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/23/23 12:38	02/24/23 22:02	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/23/23 12:38	02/24/23 22:02	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/23/23 12:38	02/24/23 22:02	1
<b>Lead</b>	<b>0.00025</b>	<b>J</b>	0.0010	0.00021	mg/L		02/23/23 12:38	02/24/23 22:02	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

**Client Sample ID: WAN-GWC-18**

**Lab Sample ID: 680-230973-9**

Date Collected: 02/20/23 16:18

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	0.00050	J	0.0010	0.00042	mg/L		02/23/23 12:38	02/24/23 22:02	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/23/23 12:38	02/24/23 22:02	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/23/23 12:38	02/24/23 22:02	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/23/23 12:38	02/24/23 22:02	1
Vanadium	0.0011	J	0.0020	0.00063	mg/L		02/23/23 12:38	02/24/23 22:02	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/23/23 12:38	02/24/23 22:02	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/23 15:14	02/27/23 15:30	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	88		10	10	mg/L			02/24/23 11:25	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.87				SU			02/20/23 16:18	1

**Client Sample ID: WAN-LF-FD-04**

**Lab Sample ID: 680-230973-10**

Date Collected: 02/20/23 00:00

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.4		1.0	0.20	mg/L			03/06/23 21:17	1
Fluoride	0.084	J	0.10	0.040	mg/L			03/06/23 21:17	1
Sulfate	25		1.0	0.40	mg/L			03/06/23 21:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/23/23 12:38	02/24/23 22:07	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/23/23 12:38	02/24/23 22:07	1
Barium	0.026		0.010	0.00089	mg/L		02/23/23 12:38	02/24/23 22:07	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/23/23 12:38	02/24/23 22:07	1
Boron	<0.022		0.080	0.022	mg/L		02/23/23 12:38	02/24/23 22:07	1
Cadmium	0.000085	J	0.0025	0.000078	mg/L		02/23/23 12:38	02/24/23 22:07	1
Calcium	28		0.50	0.14	mg/L		02/23/23 12:38	02/24/23 22:07	1
Chromium	0.0015	J	0.0020	0.0012	mg/L		02/23/23 12:38	02/24/23 22:07	1
Cobalt	0.0038		0.0025	0.00022	mg/L		02/23/23 12:38	02/24/23 22:07	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/23/23 12:38	02/24/23 22:07	1
Lead	0.00021	J	0.0010	0.00021	mg/L		02/23/23 12:38	02/24/23 22:07	1
Nickel	0.0036		0.0010	0.00042	mg/L		02/23/23 12:38	02/24/23 22:07	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/23/23 12:38	02/24/23 22:07	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/23/23 12:38	02/24/23 22:07	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/23/23 12:38	02/24/23 22:07	1
Vanadium	0.0027		0.0020	0.00063	mg/L		02/23/23 12:38	02/24/23 22:07	1
Zinc	0.0029	J	0.0050	0.0028	mg/L		02/23/23 12:38	02/24/23 22:07	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

**Client Sample ID: WAN-LF-FD-04**

**Lab Sample ID: 680-230973-10**

Date Collected: 02/20/23 00:00

Matrix: Water

Date Received: 02/23/23 06:30

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/23 15:14	02/27/23 15:32	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	180		40	40	mg/L			02/24/23 11:25	1

**Client Sample ID: WAN-LF-EB-05**

**Lab Sample ID: 680-230973-11**

Date Collected: 02/20/23 14:00

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.22	J	1.0	0.20	mg/L			03/06/23 21:30	1
Fluoride	<0.040		0.10	0.040	mg/L			03/06/23 21:30	1
Sulfate	<0.40		1.0	0.40	mg/L			03/06/23 21:30	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/23/23 12:38	02/24/23 22:11	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/23/23 12:38	02/24/23 22:11	1
Barium	<0.00089		0.010	0.00089	mg/L		02/23/23 12:38	02/24/23 22:11	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/23/23 12:38	02/24/23 22:11	1
Boron	<0.022		0.080	0.022	mg/L		02/23/23 12:38	02/24/23 22:11	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/23/23 12:38	02/24/23 22:11	1
Calcium	0.14	J	0.50	0.14	mg/L		02/23/23 12:38	02/24/23 22:11	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/23/23 12:38	02/24/23 22:11	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/23/23 12:38	02/24/23 22:11	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/23/23 12:38	02/24/23 22:11	1
Lead	0.00026	J	0.0010	0.00021	mg/L		02/23/23 12:38	02/24/23 22:11	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/23/23 12:38	02/24/23 22:11	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/23/23 12:38	02/24/23 22:11	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/23/23 12:38	02/24/23 22:11	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/23/23 12:38	02/24/23 22:11	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/23/23 12:38	02/24/23 22:11	1
Zinc	0.0046	J	0.0050	0.0028	mg/L		02/23/23 12:38	02/24/23 22:11	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/23 15:14	02/27/23 15:34	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	<10		10	10	mg/L			02/24/23 11:25	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

**Client Sample ID: WAN-GWC-7**

**Lab Sample ID: 680-230973-12**

Date Collected: 02/21/23 14:16

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	35		1.0	0.20	mg/L			03/06/23 21:44	1
Fluoride	0.23		0.10	0.040	mg/L			03/06/23 21:44	1
Sulfate	40		1.0	0.40	mg/L			03/06/23 21:44	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/23/23 12:38	02/24/23 22:15	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/23/23 12:38	02/24/23 22:15	1
Barium	0.071		0.010	0.00089	mg/L		02/23/23 12:38	02/24/23 22:15	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/23/23 12:38	02/24/23 22:15	1
Boron	<0.022		0.080	0.022	mg/L		02/23/23 12:38	02/24/23 22:15	1
Cadmium	0.000085	J	0.0025	0.000078	mg/L		02/23/23 12:38	02/24/23 22:15	1
Calcium	50		0.50	0.14	mg/L		02/23/23 12:38	02/24/23 22:15	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/23/23 12:38	02/24/23 22:15	1
Cobalt	0.00079	J	0.0025	0.00022	mg/L		02/23/23 12:38	02/24/23 22:15	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/23/23 12:38	02/24/23 22:15	1
Lead	0.00036	J	0.0010	0.00021	mg/L		02/23/23 12:38	02/24/23 22:15	1
Nickel	0.0079		0.0010	0.00042	mg/L		02/23/23 12:38	02/24/23 22:15	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/23/23 12:38	02/24/23 22:15	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/23/23 12:38	02/24/23 22:15	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/23/23 12:38	02/24/23 22:15	1
Vanadium	0.0029		0.0020	0.00063	mg/L		02/23/23 12:38	02/24/23 22:15	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/23/23 12:38	02/24/23 22:15	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/23 15:14	02/27/23 15:36	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	370		40	40	mg/L			02/27/23 14:36	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.50				SU			02/21/23 14:16	1

**Client Sample ID: WAN-GWC-11**

**Lab Sample ID: 680-230973-13**

Date Collected: 02/21/23 14:55

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	0.80	J	1.0	0.20	mg/L			03/06/23 21:57	1
Fluoride	0.061	J	0.10	0.040	mg/L			03/06/23 21:57	1
Sulfate	0.43	J	1.0	0.40	mg/L			03/06/23 21:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/23/23 12:38	02/24/23 22:19	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/23/23 12:38	02/24/23 22:19	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

**Client Sample ID: WAN-GWC-11**

**Lab Sample ID: 680-230973-13**

Date Collected: 02/21/23 14:55

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Barium</b>	<b>0.076</b>		0.010	0.00089	mg/L		02/23/23 12:38	02/24/23 22:19	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/23/23 12:38	02/24/23 22:19	1
Boron	<0.022		0.080	0.022	mg/L		02/23/23 12:38	02/24/23 22:19	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/23/23 12:38	02/24/23 22:19	1
<b>Calcium</b>	<b>3.4</b>		0.50	0.14	mg/L		02/23/23 12:38	02/24/23 22:19	1
<b>Chromium</b>	<b>0.0020</b>		0.0020	0.0012	mg/L		02/23/23 12:38	02/24/23 22:19	1
<b>Cobalt</b>	<b>0.00073</b>	<b>J</b>	0.0025	0.00022	mg/L		02/23/23 12:38	02/24/23 22:19	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/23/23 12:38	02/24/23 22:19	1
<b>Lead</b>	<b>0.00039</b>	<b>J</b>	0.0010	0.00021	mg/L		02/23/23 12:38	02/24/23 22:19	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/23/23 12:38	02/24/23 22:19	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/23/23 12:38	02/24/23 22:19	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/23/23 12:38	02/24/23 22:19	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/23/23 12:38	02/24/23 22:19	1
<b>Vanadium</b>	<b>0.0023</b>		0.0020	0.00063	mg/L		02/23/23 12:38	02/24/23 22:19	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/23/23 12:38	02/24/23 22:19	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/23 15:14	02/27/23 15:42	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C-2011)</b>	<b>40</b>		10	10	mg/L			02/27/23 14:36	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Field pH</b>	<b>5.96</b>				SU			02/21/23 14:55	1

**Client Sample ID: WAN-GWC-13**

**Lab Sample ID: 680-230973-14**

Date Collected: 02/21/23 16:35

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>1.1</b>		1.0	0.20	mg/L			03/06/23 22:10	1
<b>Fluoride</b>	<b>0.086</b>	<b>J</b>	0.10	0.040	mg/L			03/06/23 22:10	1
<b>Sulfate</b>	<b>1.8</b>		1.0	0.40	mg/L			03/06/23 22:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/23/23 12:38	02/24/23 22:23	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/23/23 12:38	02/24/23 22:23	1
<b>Barium</b>	<b>0.0033</b>	<b>J</b>	0.010	0.00089	mg/L		02/23/23 12:38	02/24/23 22:23	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/23/23 12:38	02/24/23 22:23	1
Boron	<0.022		0.080	0.022	mg/L		02/23/23 12:38	02/24/23 22:23	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/23/23 12:38	02/24/23 22:23	1
<b>Calcium</b>	<b>5.3</b>		0.50	0.14	mg/L		02/23/23 12:38	02/24/23 22:23	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/23/23 12:38	02/24/23 22:23	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/23/23 12:38	02/24/23 22:23	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/23/23 12:38	02/24/23 22:23	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

**Client Sample ID: WAN-GWC-13**

**Lab Sample ID: 680-230973-14**

Date Collected: 02/21/23 16:35

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.00037	J	0.0010	0.00021	mg/L		02/23/23 12:38	02/24/23 22:23	1
Nickel	0.00051	J	0.0010	0.00042	mg/L		02/23/23 12:38	02/24/23 22:23	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/23/23 12:38	02/24/23 22:23	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/23/23 12:38	02/24/23 22:23	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/23/23 12:38	02/24/23 22:23	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/23/23 12:38	02/24/23 22:23	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/23/23 12:38	02/24/23 22:23	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/23 15:14	02/27/23 15:45	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	58		10	10	mg/L			02/27/23 14:36	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.62				SU			02/21/23 16:35	1

**Client Sample ID: WAN-GWC-15**

**Lab Sample ID: 680-230973-15**

Date Collected: 02/21/23 09:44

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	3.0		1.0	0.20	mg/L			03/06/23 22:23	1
Fluoride	0.077	J	0.10	0.040	mg/L			03/06/23 22:23	1
Sulfate	1.1		1.0	0.40	mg/L			03/06/23 22:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/23/23 12:38	02/24/23 22:27	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/23/23 12:38	02/24/23 22:27	1
Barium	0.011		0.010	0.00089	mg/L		02/23/23 12:38	02/24/23 22:27	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/23/23 12:38	02/24/23 22:27	1
Boron	0.040	J	0.080	0.022	mg/L		02/23/23 12:38	02/24/23 22:27	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/23/23 12:38	02/24/23 22:27	1
Calcium	10		0.50	0.14	mg/L		02/23/23 12:38	02/24/23 22:27	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/23/23 12:38	02/24/23 22:27	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/23/23 12:38	02/24/23 22:27	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/23/23 12:38	02/24/23 22:27	1
Lead	0.00025	J	0.0010	0.00021	mg/L		02/23/23 12:38	02/24/23 22:27	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/23/23 12:38	02/24/23 22:27	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/23/23 12:38	02/24/23 22:27	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/23/23 12:38	02/24/23 22:27	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/23/23 12:38	02/24/23 22:27	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/23/23 12:38	02/24/23 22:27	1
Zinc	<0.0028		0.0050	0.0028	mg/L		03/16/23 06:52	03/16/23 17:59	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

**Client Sample ID: WAN-GWC-15**

**Lab Sample ID: 680-230973-15**

Date Collected: 02/21/23 09:44

Matrix: Water

Date Received: 02/23/23 06:30

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/23 15:14	02/27/23 15:47	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	79		10	10	mg/L			02/27/23 14:36	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.22				SU			02/21/23 09:44	1

**Client Sample ID: WAN-GWC-19**

**Lab Sample ID: 680-230973-16**

Date Collected: 02/21/23 15:33

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.7		1.0	0.20	mg/L			03/06/23 22:36	1
Fluoride	<0.040		0.10	0.040	mg/L			03/06/23 22:36	1
Sulfate	0.52	J	1.0	0.40	mg/L			03/06/23 22:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/23/23 12:38	02/24/23 22:31	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/23/23 12:38	02/24/23 22:31	1
Barium	0.15		0.010	0.00089	mg/L		02/23/23 12:38	02/24/23 22:31	1
Beryllium	0.00020	J	0.0025	0.00020	mg/L		02/23/23 12:38	02/24/23 22:31	1
Boron	<0.022		0.080	0.022	mg/L		02/23/23 12:38	02/24/23 22:31	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/23/23 12:38	02/24/23 22:31	1
Calcium	11		0.50	0.14	mg/L		02/23/23 12:38	02/24/23 22:31	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/23/23 12:38	02/24/23 22:31	1
Cobalt	0.00053	J	0.0025	0.00022	mg/L		02/23/23 12:38	02/24/23 22:31	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/23/23 12:38	02/24/23 22:31	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/23/23 12:38	02/24/23 22:31	1
Nickel	0.0014		0.0010	0.00042	mg/L		02/23/23 12:38	02/24/23 22:31	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/23/23 12:38	02/24/23 22:31	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/23/23 12:38	02/24/23 22:31	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/23/23 12:38	02/24/23 22:31	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/23/23 12:38	02/24/23 22:31	1
Zinc	0.0072		0.0050	0.0028	mg/L		02/23/23 12:38	02/24/23 22:31	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/23 15:14	02/27/23 15:49	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	79		10	10	mg/L			02/27/23 14:36	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

**Client Sample ID: WAN-GWC-19**

**Lab Sample ID: 680-230973-16**

Date Collected: 02/21/23 15:33

Matrix: Water

Date Received: 02/23/23 06:30

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.73				SU			02/21/23 15:33	1

**Client Sample ID: WAN-GWC-21**

**Lab Sample ID: 680-230973-17**

Date Collected: 02/21/23 16:50

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.6		1.0	0.20	mg/L			03/07/23 00:08	1
Fluoride	<0.040		0.10	0.040	mg/L			03/07/23 00:08	1
Sulfate	<0.40		1.0	0.40	mg/L			03/07/23 00:08	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/23/23 12:38	02/24/23 22:43	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/23/23 12:38	02/24/23 22:43	1
Barium	0.052		0.010	0.00089	mg/L		02/23/23 12:38	02/24/23 22:43	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/23/23 12:38	02/24/23 22:43	1
Boron	<0.022		0.080	0.022	mg/L		02/23/23 12:38	02/24/23 22:43	1
Cadmium	0.00012	J	0.0025	0.000078	mg/L		02/23/23 12:38	02/24/23 22:43	1
Calcium	5.7		0.50	0.14	mg/L		02/23/23 12:38	02/24/23 22:43	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/23/23 12:38	02/24/23 22:43	1
Cobalt	0.0029		0.0025	0.00022	mg/L		02/23/23 12:38	02/24/23 22:43	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/23/23 12:38	02/24/23 22:43	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/23/23 12:38	02/24/23 22:43	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/23/23 12:38	02/24/23 22:43	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/23/23 12:38	02/24/23 22:43	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/23/23 12:38	02/24/23 22:43	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/23/23 12:38	02/24/23 22:43	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/23/23 12:38	02/24/23 22:43	1
Zinc	0.0038	J	0.0050	0.0028	mg/L		02/23/23 12:38	02/24/23 22:43	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/23 15:49	02/27/23 14:13	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	50		10	10	mg/L			02/27/23 14:36	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.37				SU			02/21/23 16:50	1

**Client Sample ID: WAN-GWC-23**

**Lab Sample ID: 680-230973-18**

Date Collected: 02/21/23 13:05

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.7		1.0	0.20	mg/L			03/07/23 00:48	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

**Client Sample ID: WAN-GWC-23**

**Lab Sample ID: 680-230973-18**

Date Collected: 02/21/23 13:05

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	<0.040		0.10	0.040	mg/L			03/07/23 00:48	1
Sulfate	<0.40		1.0	0.40	mg/L			03/07/23 00:48	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/23/23 12:38	02/24/23 22:47	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/23/23 12:38	02/24/23 22:47	1
<b>Barium</b>	<b>0.0050</b>	<b>J</b>	0.010	0.00089	mg/L		02/23/23 12:38	02/24/23 22:47	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/23/23 12:38	02/24/23 22:47	1
Boron	<0.022		0.080	0.022	mg/L		02/23/23 12:38	02/24/23 22:47	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/23/23 12:38	02/24/23 22:47	1
<b>Calcium</b>	<b>4.0</b>		0.50	0.14	mg/L		02/23/23 12:38	02/24/23 22:47	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/23/23 12:38	02/24/23 22:47	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/23/23 12:38	02/24/23 22:47	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/23/23 12:38	02/24/23 22:47	1
<b>Lead</b>	<b>0.00022</b>	<b>J</b>	0.0010	0.00021	mg/L		02/23/23 12:38	02/24/23 22:47	1
<b>Nickel</b>	<b>0.00062</b>	<b>J</b>	0.0010	0.00042	mg/L		02/23/23 12:38	02/24/23 22:47	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/23/23 12:38	02/24/23 22:47	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/23/23 12:38	02/24/23 22:47	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/23/23 12:38	02/24/23 22:47	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/23/23 12:38	02/24/23 22:47	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/23/23 12:38	02/24/23 22:47	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/23 15:49	02/27/23 14:19	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C-2011)</b>	<b>44</b>		10	10	mg/L			02/27/23 14:36	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Field pH</b>	<b>5.88</b>				SU			02/21/23 13:05	1

**Client Sample ID: WAN-GWC-25**

**Lab Sample ID: 680-230973-19**

Date Collected: 02/21/23 12:08

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>5.9</b>		1.0	0.20	mg/L			03/07/23 01:01	1
<b>Fluoride</b>	<b>0.041</b>	<b>J</b>	0.10	0.040	mg/L			03/07/23 01:01	1
<b>Sulfate</b>	<b>7.4</b>		1.0	0.40	mg/L			03/07/23 01:01	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/23/23 12:38	02/24/23 22:51	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/23/23 12:38	02/24/23 22:51	1
<b>Barium</b>	<b>0.026</b>		0.010	0.00089	mg/L		02/23/23 12:38	02/24/23 22:51	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

**Client Sample ID: WAN-GWC-25**

**Lab Sample ID: 680-230973-19**

Date Collected: 02/21/23 12:08

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/23/23 12:38	02/24/23 22:51	1
Boron	<0.022		0.080	0.022	mg/L		02/23/23 12:38	02/24/23 22:51	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/23/23 12:38	02/24/23 22:51	1
<b>Calcium</b>	<b>7.4</b>		0.50	0.14	mg/L		02/23/23 12:38	02/24/23 22:51	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/23/23 12:38	02/24/23 22:51	1
<b>Cobalt</b>	<b>0.0047</b>		0.0025	0.00022	mg/L		02/23/23 12:38	02/24/23 22:51	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/23/23 12:38	02/24/23 22:51	1
<b>Lead</b>	<b>0.00027 J</b>		0.0010	0.00021	mg/L		02/23/23 12:38	02/24/23 22:51	1
<b>Nickel</b>	<b>0.0039</b>		0.0010	0.00042	mg/L		02/23/23 12:38	02/24/23 22:51	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/23/23 12:38	02/24/23 22:51	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/23/23 12:38	02/24/23 22:51	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/23/23 12:38	02/24/23 22:51	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/23/23 12:38	02/24/23 22:51	1
<b>Zinc</b>	<b>0.0069</b>		0.0050	0.0028	mg/L		02/23/23 12:38	02/24/23 22:51	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/23 15:49	02/27/23 14:21	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C-2011)</b>	<b>74</b>		10	10	mg/L			02/27/23 14:36	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Field pH</b>	<b>5.93</b>				SU			02/21/23 12:08	1

**Client Sample ID: WAN-GWC-26**

**Lab Sample ID: 680-230973-20**

Date Collected: 02/21/23 11:45

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>2.6</b>		1.0	0.20	mg/L			03/07/23 01:14	1
Fluoride	<0.040		0.10	0.040	mg/L			03/07/23 01:14	1
Sulfate	<0.40		1.0	0.40	mg/L			03/07/23 01:14	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/23/23 12:38	02/24/23 22:55	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/23/23 12:38	02/24/23 22:55	1
<b>Barium</b>	<b>0.037</b>		0.010	0.00089	mg/L		02/23/23 12:38	02/24/23 22:55	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/23/23 12:38	02/24/23 22:55	1
Boron	<0.022		0.080	0.022	mg/L		02/23/23 12:38	02/24/23 22:55	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/23/23 12:38	02/24/23 22:55	1
<b>Calcium</b>	<b>2.0</b>		0.50	0.14	mg/L		02/23/23 12:38	02/24/23 22:55	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/23/23 12:38	02/24/23 22:55	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/23/23 12:38	02/24/23 22:55	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/23/23 12:38	02/24/23 22:55	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/23/23 12:38	02/24/23 22:55	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

**Client Sample ID: WAN-GWC-26**

**Lab Sample ID: 680-230973-20**

Date Collected: 02/21/23 11:45

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Nickel	0.00078	J	0.0010	0.00042	mg/L		02/23/23 12:38	02/24/23 22:55	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/23/23 12:38	02/24/23 22:55	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/23/23 12:38	02/24/23 22:55	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/23/23 12:38	02/24/23 22:55	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/23/23 12:38	02/24/23 22:55	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/23/23 12:38	02/24/23 22:55	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/23 15:49	02/27/23 14:23	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	42		10	10	mg/L			02/27/23 14:36	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.58				SU			02/21/23 11:45	1

**Client Sample ID: WAN-LF-FB-11**

**Lab Sample ID: 680-230973-21**

Date Collected: 02/21/23 14:50

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			03/07/23 01:27	1
Fluoride	<0.040		0.10	0.040	mg/L			03/07/23 01:27	1
Sulfate	<0.40		1.0	0.40	mg/L			03/07/23 01:27	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/23/23 12:42	02/25/23 00:41	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/23/23 12:42	02/25/23 00:41	1
Barium	<0.00089		0.010	0.00089	mg/L		02/23/23 12:42	02/25/23 00:41	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/23/23 12:42	02/25/23 00:41	1
Boron	<0.022		0.080	0.022	mg/L		02/23/23 12:42	02/25/23 00:41	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/23/23 12:42	02/25/23 00:41	1
Calcium	<0.14		0.50	0.14	mg/L		02/23/23 12:42	02/25/23 00:41	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/23/23 12:42	02/25/23 00:41	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/23/23 12:42	02/25/23 00:41	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/23/23 12:42	02/25/23 00:41	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/23/23 12:42	02/25/23 00:41	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/23/23 12:42	02/25/23 00:41	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/23/23 12:42	02/25/23 00:41	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/23/23 12:42	02/25/23 00:41	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/23/23 12:42	02/25/23 00:41	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/23/23 12:42	02/25/23 00:41	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/23/23 12:42	02/25/23 00:41	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

## Client Sample ID: WAN-LF-FB-11

## Lab Sample ID: 680-230973-21

Date Collected: 02/21/23 14:50

Matrix: Water

Date Received: 02/23/23 06:30

### Method: SW846 7470A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/23 15:49	02/27/23 14:25	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	<10		10	10	mg/L			02/27/23 14:36	1

## Client Sample ID: WAN-LF-EB-06

## Lab Sample ID: 680-230973-22

Date Collected: 02/21/23 12:35

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			03/07/23 01:40	1
Fluoride	<0.040		0.10	0.040	mg/L			03/07/23 01:40	1
Sulfate	<0.40		1.0	0.40	mg/L			03/07/23 01:40	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/23/23 12:42	02/25/23 00:45	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/23/23 12:42	02/25/23 00:45	1
Barium	<0.00089		0.010	0.00089	mg/L		02/23/23 12:42	02/25/23 00:45	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/23/23 12:42	02/25/23 00:45	1
Boron	<0.022		0.080	0.022	mg/L		02/23/23 12:42	02/25/23 00:45	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/23/23 12:42	02/25/23 00:45	1
Calcium	<0.14		0.50	0.14	mg/L		02/23/23 12:42	02/25/23 00:45	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/23/23 12:42	02/25/23 00:45	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/23/23 12:42	02/25/23 00:45	1
Copper	<b>0.0080</b>		0.0020	0.0011	mg/L		02/23/23 12:42	02/25/23 00:45	1
Lead	<b>0.00025 J</b>		0.0010	0.00021	mg/L		02/23/23 12:42	02/25/23 00:45	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/23/23 12:42	02/25/23 00:45	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/23/23 12:42	02/25/23 00:45	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/23/23 12:42	02/25/23 00:45	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/23/23 12:42	02/25/23 00:45	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/23/23 12:42	02/25/23 00:45	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/23/23 12:42	02/25/23 00:45	1

### Method: SW846 7470A - Mercury

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/23 15:49	02/27/23 14:28	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	<10		10	10	mg/L			02/27/23 14:36	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

**Client Sample ID: WAN-GWC-31**

**Lab Sample ID: 680-230973-23**

Date Collected: 02/22/23 09:41

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.0		1.0	0.20	mg/L			03/07/23 01:53	1
Fluoride	1.3		0.10	0.040	mg/L			03/07/23 01:53	1
Sulfate	9.8		1.0	0.40	mg/L			03/07/23 01:53	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/23/23 12:42	02/25/23 00:58	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/23/23 12:42	02/25/23 00:58	1
Barium	0.0030	J	0.010	0.00089	mg/L		02/23/23 12:42	02/25/23 00:58	1
Beryllium	0.00091	J	0.0025	0.00020	mg/L		02/23/23 12:42	02/25/23 00:58	1
Boron	<0.022		0.080	0.022	mg/L		02/23/23 12:42	02/25/23 00:58	1
Cadmium	0.000080	J	0.0025	0.000078	mg/L		02/23/23 12:42	02/25/23 00:58	1
Calcium	8.6		0.50	0.14	mg/L		02/23/23 12:42	02/25/23 00:58	1
Chromium	0.0014	J	0.0020	0.0012	mg/L		02/23/23 12:42	02/25/23 00:58	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/23/23 12:42	02/25/23 00:58	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/23/23 12:42	02/25/23 00:58	1
Lead	0.00025	J	0.0010	0.00021	mg/L		02/23/23 12:42	02/25/23 00:58	1
Nickel	0.00047	J	0.0010	0.00042	mg/L		02/23/23 12:42	02/25/23 00:58	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/23/23 12:42	02/25/23 00:58	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/23/23 12:42	02/25/23 00:58	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/23/23 12:42	02/25/23 00:58	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/23/23 12:42	02/25/23 00:58	1
Zinc	0.011		0.0050	0.0028	mg/L		02/23/23 12:42	02/25/23 00:58	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/23 15:49	02/27/23 14:34	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	90		10	10	mg/L			02/28/23 12:26	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.03				SU			02/22/23 09:41	1

**Client Sample ID: WAN-GWC-20**

**Lab Sample ID: 680-230973-24**

Date Collected: 02/22/23 11:05

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.7		1.0	0.20	mg/L			03/07/23 02:07	1
Fluoride	<0.040		0.10	0.040	mg/L			03/07/23 02:07	1
Sulfate	0.65	J	1.0	0.40	mg/L			03/07/23 02:07	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00052	J	0.0020	0.00034	mg/L		02/23/23 12:42	02/25/23 01:02	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/23/23 12:42	02/25/23 01:02	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

**Client Sample ID: WAN-GWC-20**

**Lab Sample ID: 680-230973-24**

Date Collected: 02/22/23 11:05

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Barium</b>	<b>0.032</b>		0.010	0.00089	mg/L		02/23/23 12:42	02/25/23 01:02	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/23/23 12:42	02/25/23 01:02	1
Boron	<0.022		0.080	0.022	mg/L		02/23/23 12:42	02/25/23 01:02	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/23/23 12:42	02/25/23 01:02	1
<b>Calcium</b>	<b>9.3</b>		0.50	0.14	mg/L		02/23/23 12:42	02/25/23 01:02	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/23/23 12:42	02/25/23 01:02	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/23/23 12:42	02/25/23 01:02	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/23/23 12:42	02/25/23 01:02	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/23/23 12:42	02/25/23 01:02	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/23/23 12:42	02/25/23 01:02	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/23/23 12:42	02/25/23 01:02	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/23/23 12:42	02/25/23 01:02	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/23/23 12:42	02/25/23 01:02	1
<b>Vanadium</b>	<b>0.0014</b>	<b>J</b>	0.0020	0.00063	mg/L		02/23/23 12:42	02/25/23 01:02	1
<b>Zinc</b>	<b>0.0035</b>	<b>J</b>	0.0050	0.0028	mg/L		02/23/23 12:42	02/25/23 01:02	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/23 15:49	02/27/23 14:36	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C-2011)</b>	<b>98</b>		10	10	mg/L			02/28/23 12:26	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Field pH</b>	<b>6.91</b>				SU			02/22/23 11:05	1

**Client Sample ID: WAN-LF-EB-07**

**Lab Sample ID: 680-230973-25**

Date Collected: 02/22/23 09:45

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			03/07/23 02:20	1
Fluoride	<0.040		0.10	0.040	mg/L			03/07/23 02:20	1
Sulfate	<0.40		1.0	0.40	mg/L			03/07/23 02:20	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/23/23 12:42	02/25/23 01:06	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/23/23 12:42	02/25/23 01:06	1
Barium	<0.00089		0.010	0.00089	mg/L		02/23/23 12:42	02/25/23 01:06	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/23/23 12:42	02/25/23 01:06	1
Boron	<0.022		0.080	0.022	mg/L		02/23/23 12:42	02/25/23 01:06	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/23/23 12:42	02/25/23 01:06	1
Calcium	<0.14		0.50	0.14	mg/L		02/23/23 12:42	02/25/23 01:06	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/23/23 12:42	02/25/23 01:06	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/23/23 12:42	02/25/23 01:06	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/23/23 12:42	02/25/23 01:06	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

**Client Sample ID: WAN-LF-EB-07**

**Lab Sample ID: 680-230973-25**

Date Collected: 02/22/23 09:45

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.00021		0.0010	0.00021	mg/L		02/23/23 12:42	02/25/23 01:06	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/23/23 12:42	02/25/23 01:06	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/23/23 12:42	02/25/23 01:06	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/23/23 12:42	02/25/23 01:06	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/23/23 12:42	02/25/23 01:06	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/23/23 12:42	02/25/23 01:06	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/23/23 12:42	02/25/23 01:06	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/23 15:49	02/27/23 14:38	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	<10		10	10	mg/L			02/28/23 12:26	1

**Client Sample ID: WAN-LF-FD-05**

**Lab Sample ID: 680-230973-26**

Date Collected: 02/22/23 00:00

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.7		1.0	0.20	mg/L			03/07/23 02:33	1
Fluoride	<0.040		0.10	0.040	mg/L			03/07/23 02:33	1
Sulfate	0.65	J	1.0	0.40	mg/L			03/07/23 02:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00049	J	0.0020	0.00034	mg/L		02/23/23 12:42	02/25/23 01:10	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/23/23 12:42	02/25/23 01:10	1
Barium	0.035		0.010	0.00089	mg/L		02/23/23 12:42	02/25/23 01:10	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/23/23 12:42	02/25/23 01:10	1
Boron	<0.022		0.080	0.022	mg/L		02/23/23 12:42	02/25/23 01:10	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/23/23 12:42	02/25/23 01:10	1
Calcium	10		0.50	0.14	mg/L		02/23/23 12:42	02/25/23 01:10	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/23/23 12:42	02/25/23 01:10	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/23/23 12:42	02/25/23 01:10	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/23/23 12:42	02/25/23 01:10	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/23/23 12:42	02/25/23 01:10	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/23/23 12:42	02/25/23 01:10	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/23/23 12:42	02/25/23 01:10	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/23/23 12:42	02/25/23 01:10	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/23/23 12:42	02/25/23 01:10	1
Vanadium	0.0012	J	0.0020	0.00063	mg/L		02/23/23 12:42	02/25/23 01:10	1
Zinc	0.0028	J	0.0050	0.0028	mg/L		02/23/23 12:42	02/25/23 01:10	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/23 15:49	02/27/23 14:40	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

**Client Sample ID: WAN-LF-FD-05**

**Lab Sample ID: 680-230973-26**

Date Collected: 02/22/23 00:00

Matrix: Water

Date Received: 02/23/23 06:30

## General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	95		10	10	mg/L			02/28/23 12:26	1

1

2

3

4

5

6

7

8

9

10

11

12

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

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

**Lab Sample ID: MB 680-765881/63**  
**Matrix: Water**  
**Analysis Batch: 765881**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			03/03/23 23:17	1
Fluoride	<0.040		0.10	0.040	mg/L			03/03/23 23:17	1
Sulfate	<0.40		1.0	0.40	mg/L			03/03/23 23:17	1

**Lab Sample ID: LCS 680-765881/64**  
**Matrix: Water**  
**Analysis Batch: 765881**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.2		mg/L		102	90 - 110
Fluoride	2.00	2.02		mg/L		101	90 - 110
Sulfate	10.0	9.72		mg/L		97	90 - 110

**Lab Sample ID: LCSD 680-765881/65**  
**Matrix: Water**  
**Analysis Batch: 765881**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	10.2		mg/L		102	90 - 110	0	15
Fluoride	2.00	2.03		mg/L		101	90 - 110	0	15
Sulfate	10.0	9.76		mg/L		98	90 - 110	0	15

**Lab Sample ID: 680-230973-1 MS**  
**Matrix: Water**  
**Analysis Batch: 765881**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	9.4		10.0	19.0		mg/L		96	80 - 120
Fluoride	0.092	J	2.00	2.09		mg/L		100	80 - 120
Sulfate	25		10.0	35.1		mg/L		101	80 - 120

**Lab Sample ID: 680-230973-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 765881**

**Client Sample ID: WAN-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	9.4		10.0	19.1		mg/L		97	80 - 120	0	15
Fluoride	0.092	J	2.00	2.10		mg/L		101	80 - 120	0	15
Sulfate	25		10.0	34.0		mg/L		90	80 - 120	3	15

**Lab Sample ID: MB 680-766171/2**  
**Matrix: Water**  
**Analysis Batch: 766171**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			03/06/23 10:06	1
Fluoride	<0.040		0.10	0.040	mg/L			03/06/23 10:06	1
Sulfate	<0.40		1.0	0.40	mg/L			03/06/23 10:06	1

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

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

**Lab Sample ID: LCS 680-766171/4**  
**Matrix: Water**  
**Analysis Batch: 766171**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.2		mg/L		102	90 - 110
Fluoride	2.00	2.04		mg/L		102	90 - 110
Sulfate	10.0	10.2		mg/L		102	90 - 110

**Lab Sample ID: LCSD 680-766171/5**  
**Matrix: Water**  
**Analysis Batch: 766171**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	10.2		mg/L		102	90 - 110	0	15
Fluoride	2.00	2.04		mg/L		102	90 - 110	0	15
Sulfate	10.0	10.2		mg/L		102	90 - 110	0	15

**Lab Sample ID: 680-230832-A-6 MS**  
**Matrix: Water**  
**Analysis Batch: 766171**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	7.0		10.0	16.2		mg/L		92	80 - 120
Fluoride	<0.040		2.00	2.30		mg/L		115	80 - 120
Sulfate	0.68	J F1	10.0	8.66		mg/L		80	80 - 120

**Lab Sample ID: 680-230832-A-6 MSD**  
**Matrix: Water**  
**Analysis Batch: 766171**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	7.0		10.0	16.1		mg/L		91	80 - 120	1	15
Fluoride	<0.040		2.00	2.25		mg/L		113	80 - 120	2	15
Sulfate	0.68	J F1	10.0	8.41	F1	mg/L		77	80 - 120	3	15

**Lab Sample ID: 680-230987-C-8 MS**  
**Matrix: Water**  
**Analysis Batch: 766171**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3.2		10.0	12.4		mg/L		92	80 - 120
Fluoride	<0.040		2.00	2.04		mg/L		102	80 - 120
Sulfate	<0.40		10.0	8.76		mg/L		88	80 - 120

**Lab Sample ID: 680-230987-C-8 MSD**  
**Matrix: Water**  
**Analysis Batch: 766171**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3.2		10.0	12.9		mg/L		98	80 - 120	4	15
Fluoride	<0.040		2.00	2.14		mg/L		107	80 - 120	5	15
Sulfate	<0.40		10.0	9.47		mg/L		95	80 - 120	8	15

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

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

**Lab Sample ID: MB 680-766172/33**  
**Matrix: Water**  
**Analysis Batch: 766172**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			03/06/23 16:54	1
Fluoride	<0.040		0.10	0.040	mg/L			03/06/23 16:54	1
Sulfate	<0.40		1.0	0.40	mg/L			03/06/23 16:54	1

**Lab Sample ID: LCS 680-766172/34**  
**Matrix: Water**  
**Analysis Batch: 766172**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.2		mg/L		102	90 - 110
Fluoride	2.00	2.02		mg/L		101	90 - 110
Sulfate	10.0	9.95		mg/L		100	90 - 110

**Lab Sample ID: LCSD 680-766172/35**  
**Matrix: Water**  
**Analysis Batch: 766172**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	10.2		mg/L		102	90 - 110	0	15
Fluoride	2.00	2.01		mg/L		101	90 - 110	0	15
Sulfate	10.0	9.92		mg/L		99	90 - 110	0	15

**Lab Sample ID: 680-230968-E-4 MS**  
**Matrix: Water**  
**Analysis Batch: 766172**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	6.0		10.0	15.9		mg/L		100	80 - 120
Fluoride	0.070	J	2.00	2.07		mg/L		100	80 - 120
Sulfate	11		10.0	21.1		mg/L		102	80 - 120

**Lab Sample ID: 680-230968-E-4 MSD**  
**Matrix: Water**  
**Analysis Batch: 766172**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	6.0		10.0	15.5		mg/L		95	80 - 120	3	15
Fluoride	0.070	J	2.00	1.97		mg/L		95	80 - 120	5	15
Sulfate	11		10.0	20.7		mg/L		98	80 - 120	2	15

**Lab Sample ID: MB 680-766173/63**  
**Matrix: Water**  
**Analysis Batch: 766173**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			03/06/23 23:29	1
Fluoride	<0.040		0.10	0.040	mg/L			03/06/23 23:29	1
Sulfate	<0.40		1.0	0.40	mg/L			03/06/23 23:29	1

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

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

**Lab Sample ID: LCS 680-766173/64**  
**Matrix: Water**  
**Analysis Batch: 766173**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.1		mg/L		101	90 - 110
Fluoride	2.00	2.00		mg/L		100	90 - 110
Sulfate	10.0	9.69		mg/L		97	90 - 110

**Lab Sample ID: LCSD 680-766173/65**  
**Matrix: Water**  
**Analysis Batch: 766173**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	10.1		mg/L		101	90 - 110	0	15
Fluoride	2.00	2.01		mg/L		100	90 - 110	0	15
Sulfate	10.0	9.75		mg/L		97	90 - 110	1	15

**Lab Sample ID: 680-230973-17 MS**  
**Matrix: Water**  
**Analysis Batch: 766173**

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	2.6		10.0	12.0		mg/L		94	80 - 120
Fluoride	<0.040		2.00	1.98		mg/L		99	80 - 120
Sulfate	<0.40		10.0	9.18		mg/L		92	80 - 120

**Lab Sample ID: 680-230973-17 MSD**  
**Matrix: Water**  
**Analysis Batch: 766173**

**Client Sample ID: WAN-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	2.6		10.0	12.0		mg/L		94	80 - 120	0	15
Fluoride	<0.040		2.00	1.99		mg/L		99	80 - 120	0	15
Sulfate	<0.40		10.0	9.19		mg/L		92	80 - 120	0	15

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

**Lab Sample ID: MB 680-764699/1-A**  
**Matrix: Water**  
**Analysis Batch: 764981**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764699**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/23/23 12:38	02/24/23 21:06	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/23/23 12:38	02/24/23 21:06	1
Barium	<0.00089		0.010	0.00089	mg/L		02/23/23 12:38	02/24/23 21:06	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/23/23 12:38	02/24/23 21:06	1
Boron	<0.022		0.080	0.022	mg/L		02/23/23 12:38	02/24/23 21:06	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/23/23 12:38	02/24/23 21:06	1
Calcium	<0.14		0.50	0.14	mg/L		02/23/23 12:38	02/24/23 21:06	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/23/23 12:38	02/24/23 21:06	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/23/23 12:38	02/24/23 21:06	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/23/23 12:38	02/24/23 21:06	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/23/23 12:38	02/24/23 21:06	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/23/23 12:38	02/24/23 21:06	1

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

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

**Lab Sample ID: MB 680-764699/1-A**  
**Matrix: Water**  
**Analysis Batch: 764981**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764699**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Selenium	<0.00099		0.0050	0.00099	mg/L		02/23/23 12:38	02/24/23 21:06	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/23/23 12:38	02/24/23 21:06	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/23/23 12:38	02/24/23 21:06	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/23/23 12:38	02/24/23 21:06	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/23/23 12:38	02/24/23 21:06	1

**Lab Sample ID: LCS 680-764699/2-A**  
**Matrix: Water**  
**Analysis Batch: 764981**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764699**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0506		mg/L		101	80 - 120
Arsenic	0.100	0.105		mg/L		105	80 - 120
Barium	0.100	0.102		mg/L		102	80 - 120
Beryllium	0.0500	0.0497		mg/L		99	80 - 120
Boron	0.200	0.209		mg/L		105	80 - 120
Cadmium	0.0500	0.0499		mg/L		100	80 - 120
Calcium	5.00	5.24		mg/L		105	80 - 120
Chromium	0.100	0.100		mg/L		100	80 - 120
Cobalt	0.0500	0.0524		mg/L		105	80 - 120
Copper	0.100	0.110		mg/L		110	80 - 120
Lead	0.505	0.513		mg/L		102	80 - 120
Nickel	0.100	0.104		mg/L		104	80 - 120
Selenium	0.100	0.107		mg/L		107	80 - 120
Silver	0.0500	0.0495		mg/L		99	80 - 120
Thallium	0.0500	0.0489		mg/L		98	80 - 120
Vanadium	0.100	0.106		mg/L		106	80 - 120
Zinc	0.100	0.104		mg/L		104	80 - 120

**Lab Sample ID: 680-230973-1 MS**  
**Matrix: Water**  
**Analysis Batch: 764981**

**Client Sample ID: WAN-GWC-5**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764699**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.00034		0.0500	0.0522		mg/L		104	75 - 125
Arsenic	<0.00086		0.100	0.107		mg/L		107	75 - 125
Barium	0.026		0.100	0.126		mg/L		100	75 - 125
Beryllium	<0.00020		0.0500	0.0508		mg/L		102	75 - 125
Boron	<0.022	F1	0.200	0.218		mg/L		109	75 - 125
Cadmium	<0.000078		0.0500	0.0519		mg/L		104	75 - 125
Calcium	30		5.00	33.1	4	mg/L		61	75 - 125
Chromium	0.0017	J	0.100	0.0998		mg/L		98	75 - 125
Cobalt	0.0040		0.0500	0.0571		mg/L		106	75 - 125
Copper	<0.0011	F1	0.100	0.112		mg/L		112	75 - 125
Lead	<0.00021		0.505	0.517		mg/L		102	75 - 125
Nickel	0.0038		0.100	0.108		mg/L		104	75 - 125
Selenium	<0.00099	F1	0.100	0.105		mg/L		105	75 - 125
Silver	<0.00039		0.0500	0.0507		mg/L		101	75 - 125
Thallium	<0.00026		0.0500	0.0500		mg/L		100	75 - 125

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

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

Lab Sample ID: 680-230973-1 MS

Matrix: Water

Analysis Batch: 764981

Client Sample ID: WAN-GWC-5

Prep Type: Total Recoverable

Prep Batch: 764699

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Vanadium	0.0029	F1	0.100	0.109		mg/L		106	75 - 125
Zinc	0.0033	J	0.100	0.107		mg/L		104	75 - 125

Lab Sample ID: 680-230973-1 MSD

Matrix: Water

Analysis Batch: 764981

Client Sample ID: WAN-GWC-5

Prep Type: Total Recoverable

Prep Batch: 764699

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.00034		0.0500	0.0601		mg/L		120	75 - 125	14	20
Arsenic	<0.00086		0.100	0.124		mg/L		124	75 - 125	15	20
Barium	0.026		0.100	0.148		mg/L		122	75 - 125	16	20
Beryllium	<0.00020		0.0500	0.0583		mg/L		117	75 - 125	14	20
Boron	<0.022	F1	0.200	0.253	F1	mg/L		126	75 - 125	15	20
Cadmium	<0.000078		0.0500	0.0598		mg/L		120	75 - 125	14	20
Calcium	30		5.00	39.7	4	mg/L		193	75 - 125	18	20
Chromium	0.0017	J	0.100	0.116		mg/L		114	75 - 125	15	20
Cobalt	0.0040		0.0500	0.0663		mg/L		125	75 - 125	15	20
Copper	<0.0011	F1	0.100	0.129	F1	mg/L		129	75 - 125	14	20
Lead	<0.00021		0.505	0.603		mg/L		119	75 - 125	15	20
Nickel	0.0038		0.100	0.127		mg/L		123	75 - 125	16	20
Selenium	<0.00099	F1	0.100	0.126	F1	mg/L		126	75 - 125	17	20
Silver	<0.00039		0.0500	0.0588		mg/L		118	75 - 125	15	20
Thallium	<0.00026		0.0500	0.0579		mg/L		116	75 - 125	15	20
Vanadium	0.0029	F1	0.100	0.129	F1	mg/L		126	75 - 125	17	20
Zinc	0.0033	J	0.100	0.124		mg/L		121	75 - 125	15	20

Lab Sample ID: MB 680-764701/1-A

Matrix: Water

Analysis Batch: 764981

Client Sample ID: Method Blank

Prep Type: Total Recoverable

Prep Batch: 764701

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/23/23 12:42	02/25/23 00:09	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/23/23 12:42	02/25/23 00:09	1
Barium	<0.00089		0.010	0.00089	mg/L		02/23/23 12:42	02/25/23 00:09	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/23/23 12:42	02/25/23 00:09	1
Boron	<0.022		0.080	0.022	mg/L		02/23/23 12:42	02/25/23 00:09	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/23/23 12:42	02/25/23 00:09	1
Calcium	<0.14		0.50	0.14	mg/L		02/23/23 12:42	02/25/23 00:09	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/23/23 12:42	02/25/23 00:09	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/23/23 12:42	02/25/23 00:09	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/23/23 12:42	02/25/23 00:09	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/23/23 12:42	02/25/23 00:09	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/23/23 12:42	02/25/23 00:09	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/23/23 12:42	02/25/23 00:09	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/23/23 12:42	02/25/23 00:09	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/23/23 12:42	02/25/23 00:09	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/23/23 12:42	02/25/23 00:09	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/23/23 12:42	02/25/23 00:09	1

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

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

**Lab Sample ID: LCS 680-764701/2-A**  
**Matrix: Water**  
**Analysis Batch: 764981**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764701**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0509		mg/L		102	80 - 120
Arsenic	0.100	0.104		mg/L		104	80 - 120
Barium	0.100	0.0988		mg/L		99	80 - 120
Beryllium	0.0500	0.0485		mg/L		97	80 - 120
Boron	0.200	0.199		mg/L		100	80 - 120
Cadmium	0.0500	0.0509		mg/L		102	80 - 120
Calcium	5.00	5.19		mg/L		104	80 - 120
Chromium	0.100	0.0974		mg/L		97	80 - 120
Cobalt	0.0500	0.0531		mg/L		106	80 - 120
Copper	0.100	0.109		mg/L		109	80 - 120
Lead	0.505	0.512		mg/L		102	80 - 120
Nickel	0.100	0.104		mg/L		104	80 - 120
Selenium	0.100	0.104		mg/L		104	80 - 120
Silver	0.0500	0.0504		mg/L		101	80 - 120
Thallium	0.0500	0.0488		mg/L		98	80 - 120
Vanadium	0.100	0.103		mg/L		103	80 - 120
Zinc	0.100	0.104		mg/L		104	80 - 120

**Lab Sample ID: 680-230968-B-1-B MS**  
**Matrix: Water**  
**Analysis Batch: 764981**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764701**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.00034		0.0500	0.0508		mg/L		102	75 - 125
Arsenic	<0.00086		0.100	0.105		mg/L		105	75 - 125
Barium	0.019		0.100	0.120		mg/L		102	75 - 125
Beryllium	<0.00020		0.0500	0.0502		mg/L		100	75 - 125
Boron	<0.022		0.200	0.219		mg/L		109	75 - 125
Cadmium	<0.000078		0.0500	0.0508		mg/L		102	75 - 125
Calcium	2.8		5.00	7.75		mg/L		99	75 - 125
Chromium	<0.0012		0.100	0.0993		mg/L		99	75 - 125
Cobalt	<0.00022		0.0500	0.0528		mg/L		106	75 - 125
Copper	<0.0011		0.100	0.111		mg/L		111	75 - 125
Lead	<0.00021		0.505	0.522		mg/L		103	75 - 125
Nickel	<0.00042		0.100	0.106		mg/L		106	75 - 125
Selenium	<0.00099		0.100	0.106		mg/L		106	75 - 125
Silver	<0.00039		0.0500	0.0500		mg/L		100	75 - 125
Thallium	<0.00026		0.0500	0.0500		mg/L		100	75 - 125
Vanadium	<0.00063		0.100	0.104		mg/L		104	75 - 125
Zinc	0.0029	J	0.100	0.108		mg/L		105	75 - 125

**Lab Sample ID: 680-230968-B-1-C MSD**  
**Matrix: Water**  
**Analysis Batch: 764981**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764701**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.00034		0.0500	0.0512		mg/L		102	75 - 125	1	20
Arsenic	<0.00086		0.100	0.103		mg/L		103	75 - 125	2	20
Barium	0.019		0.100	0.118		mg/L		100	75 - 125	2	20

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

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

**Lab Sample ID: 680-230968-B-1-C MSD**  
**Matrix: Water**  
**Analysis Batch: 764981**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764701**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Beryllium	<0.00020		0.0500	0.0509		mg/L		102	75 - 125	1	20
Boron	<0.022		0.200	0.221		mg/L		110	75 - 125	1	20
Cadmium	<0.000078		0.0500	0.0510		mg/L		102	75 - 125	0	20
Calcium	2.8		5.00	7.93		mg/L		103	75 - 125	2	20
Chromium	<0.0012		0.100	0.0967		mg/L		97	75 - 125	3	20
Cobalt	<0.00022		0.0500	0.0531		mg/L		106	75 - 125	1	20
Copper	<0.0011		0.100	0.111		mg/L		111	75 - 125	0	20
Lead	<0.00021		0.505	0.514		mg/L		102	75 - 125	2	20
Nickel	<0.00042		0.100	0.103		mg/L		103	75 - 125	2	20
Selenium	<0.00099		0.100	0.107		mg/L		107	75 - 125	0	20
Silver	<0.00039		0.0500	0.0508		mg/L		102	75 - 125	2	20
Thallium	<0.00026		0.0500	0.0493		mg/L		99	75 - 125	2	20
Vanadium	<0.00063		0.100	0.103		mg/L		103	75 - 125	1	20
Zinc	0.0029	J	0.100	0.104		mg/L		101	75 - 125	4	20

**Lab Sample ID: MB 680-767934/1-A**  
**Matrix: Water**  
**Analysis Batch: 768157**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 767934**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Zinc	<0.0028		0.0050	0.0028	mg/L		03/16/23 06:52	03/16/23 15:44	1

**Lab Sample ID: LCS 680-767934/2-A**  
**Matrix: Water**  
**Analysis Batch: 768157**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 767934**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	0.100	0.104		mg/L		104	80 - 120

**Lab Sample ID: 680-232008-A-1-B MS**  
**Matrix: Water**  
**Analysis Batch: 768157**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 767934**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Zinc	0.0060		0.100	0.111		mg/L		105	75 - 125

**Lab Sample ID: 680-232008-A-1-C MSD**  
**Matrix: Water**  
**Analysis Batch: 768157**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 767934**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Zinc	0.0060		0.100	0.116		mg/L		110	75 - 125	4	20

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

## Method: 7470A - Mercury

**Lab Sample ID: MB 680-764919/1-A**  
**Matrix: Water**  
**Analysis Batch: 765270**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 764919**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/23 15:14	02/27/23 14:51	1

**Lab Sample ID: LCS 680-764919/2-A**  
**Matrix: Water**  
**Analysis Batch: 765270**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 764919**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00257		mg/L		103	80 - 120

**Lab Sample ID: 680-230968-B-2-C MS**  
**Matrix: Water**  
**Analysis Batch: 765270**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 764919**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.000080		0.00100	0.00104		mg/L		104	80 - 120

**Lab Sample ID: 680-230968-B-2-D MSD**  
**Matrix: Water**  
**Analysis Batch: 765270**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 764919**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000080		0.00100	0.00102		mg/L		102	80 - 120	1	20

**Lab Sample ID: MB 680-764939/1-A**  
**Matrix: Water**  
**Analysis Batch: 765270**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 764939**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/23 15:49	02/27/23 14:08	1

**Lab Sample ID: LCS 680-764939/2-A**  
**Matrix: Water**  
**Analysis Batch: 765270**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 764939**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00250		mg/L		100	80 - 120

**Lab Sample ID: 680-230973-17 MS**  
**Matrix: Water**  
**Analysis Batch: 765270**

**Client Sample ID: WAN-GWC-21**  
**Prep Type: Total/NA**  
**Prep Batch: 764939**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.000080		0.00100	0.00101		mg/L		101	80 - 120

**Lab Sample ID: 680-230973-17 MSD**  
**Matrix: Water**  
**Analysis Batch: 765270**

**Client Sample ID: WAN-GWC-21**  
**Prep Type: Total/NA**  
**Prep Batch: 764939**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000080		0.00100	0.000991		mg/L		99	80 - 120	2	20

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

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

**Lab Sample ID: MB 680-764873/1**  
**Matrix: Water**  
**Analysis Batch: 764873**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/24/23 11:25	1

**Lab Sample ID: LCS 680-764873/2**  
**Matrix: Water**  
**Analysis Batch: 764873**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	2340	2430		mg/L		104	80 - 120

**Lab Sample ID: LCSD 680-764873/3**  
**Matrix: Water**  
**Analysis Batch: 764873**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	2340	2390		mg/L		102	80 - 120	2	25

**Lab Sample ID: 680-230973-1 DU**  
**Matrix: Water**  
**Analysis Batch: 764873**

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

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	200		182	F5	mg/L		9	5

**Lab Sample ID: MB 680-765186/1**  
**Matrix: Water**  
**Analysis Batch: 765186**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/27/23 14:36	1

**Lab Sample ID: LCS 680-765186/2**  
**Matrix: Water**  
**Analysis Batch: 765186**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	2340	2390		mg/L		102	80 - 120

**Lab Sample ID: LCSD 680-765186/3**  
**Matrix: Water**  
**Analysis Batch: 765186**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	2340	2380		mg/L		102	80 - 120	1	25

**Lab Sample ID: 680-230973-12 DU**  
**Matrix: Water**  
**Analysis Batch: 765186**

**Client Sample ID: WAN-GWC-7**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	370		374		mg/L		0.5	5

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

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

**Lab Sample ID: MB 680-765354/1**  
**Matrix: Water**  
**Analysis Batch: 765354**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/28/23 12:26	1

**Lab Sample ID: LCS 680-765354/2**  
**Matrix: Water**  
**Analysis Batch: 765354**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	2340	2400		mg/L		102	80 - 120

**Lab Sample ID: LCSD 680-765354/3**  
**Matrix: Water**  
**Analysis Batch: 765354**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	2340	2410		mg/L		103	80 - 120	1	25

**Lab Sample ID: 680-230973-24 DU**  
**Matrix: Water**  
**Analysis Batch: 765354**

**Client Sample ID: WAN-GWC-20**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	98		97.0		mg/L		0.5	5

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

## HPLC/IC

### Analysis Batch: 765881

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230973-1	WAN-GWC-5	Total/NA	Water	300.0-1993 R2.1	
680-230973-2	WAN-GWC-6	Total/NA	Water	300.0-1993 R2.1	
680-230973-3	WAN-GWC-16	Total/NA	Water	300.0-1993 R2.1	
680-230973-4	WAN-GWC-17	Total/NA	Water	300.0-1993 R2.1	
680-230973-5	WAN-GWC-27	Total/NA	Water	300.0-1993 R2.1	
680-230973-6	WAN-GWC-33	Total/NA	Water	300.0-1993 R2.1	
MB 680-765881/63	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-765881/64	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-765881/65	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
680-230973-1 MS	WAN-GWC-5	Total/NA	Water	300.0-1993 R2.1	
680-230973-1 MSD	WAN-GWC-5	Total/NA	Water	300.0-1993 R2.1	

### Analysis Batch: 766171

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230973-7	WAN-GWC-34	Total/NA	Water	300.0-1993 R2.1	
680-230973-8	WAN-GWC-35	Total/NA	Water	300.0-1993 R2.1	
680-230973-9	WAN-GWC-18	Total/NA	Water	300.0-1993 R2.1	
MB 680-766171/2	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-766171/4	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-766171/5	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
680-230832-A-6 MS	Matrix Spike	Total/NA	Water	300.0-1993 R2.1	
680-230832-A-6 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0-1993 R2.1	
680-230987-C-8 MS	Matrix Spike	Total/NA	Water	300.0-1993 R2.1	
680-230987-C-8 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0-1993 R2.1	

### Analysis Batch: 766172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230973-10	WAN-LF-FD-04	Total/NA	Water	300.0-1993 R2.1	
680-230973-11	WAN-LF-EB-05	Total/NA	Water	300.0-1993 R2.1	
680-230973-12	WAN-GWC-7	Total/NA	Water	300.0-1993 R2.1	
680-230973-13	WAN-GWC-11	Total/NA	Water	300.0-1993 R2.1	
680-230973-14	WAN-GWC-13	Total/NA	Water	300.0-1993 R2.1	
680-230973-15	WAN-GWC-15	Total/NA	Water	300.0-1993 R2.1	
680-230973-16	WAN-GWC-19	Total/NA	Water	300.0-1993 R2.1	
MB 680-766172/33	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-766172/34	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-766172/35	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
680-230968-E-4 MS	Matrix Spike	Total/NA	Water	300.0-1993 R2.1	
680-230968-E-4 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0-1993 R2.1	

### Analysis Batch: 766173

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230973-17	WAN-GWC-21	Total/NA	Water	300.0-1993 R2.1	
680-230973-18	WAN-GWC-23	Total/NA	Water	300.0-1993 R2.1	
680-230973-19	WAN-GWC-25	Total/NA	Water	300.0-1993 R2.1	
680-230973-20	WAN-GWC-26	Total/NA	Water	300.0-1993 R2.1	
680-230973-21	WAN-LF-FB-11	Total/NA	Water	300.0-1993 R2.1	
680-230973-22	WAN-LF-EB-06	Total/NA	Water	300.0-1993 R2.1	
680-230973-23	WAN-GWC-31	Total/NA	Water	300.0-1993 R2.1	
680-230973-24	WAN-GWC-20	Total/NA	Water	300.0-1993 R2.1	
680-230973-25	WAN-LF-EB-07	Total/NA	Water	300.0-1993 R2.1	

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# QC Association Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

## HPLC/IC (Continued)

### Analysis Batch: 766173 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230973-26	WAN-LF-FD-05	Total/NA	Water	300.0-1993 R2.1	
MB 680-766173/63	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-766173/64	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-766173/65	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
680-230973-17 MS	WAN-GWC-21	Total/NA	Water	300.0-1993 R2.1	
680-230973-17 MSD	WAN-GWC-21	Total/NA	Water	300.0-1993 R2.1	

## Metals

### Prep Batch: 764699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230973-1	WAN-GWC-5	Total Recoverable	Water	3005A	
680-230973-2	WAN-GWC-6	Total Recoverable	Water	3005A	
680-230973-3	WAN-GWC-16	Total Recoverable	Water	3005A	
680-230973-4	WAN-GWC-17	Total Recoverable	Water	3005A	
680-230973-5	WAN-GWC-27	Total Recoverable	Water	3005A	
680-230973-6	WAN-GWC-33	Total Recoverable	Water	3005A	
680-230973-7	WAN-GWC-34	Total Recoverable	Water	3005A	
680-230973-8	WAN-GWC-35	Total Recoverable	Water	3005A	
680-230973-9	WAN-GWC-18	Total Recoverable	Water	3005A	
680-230973-10	WAN-LF-FD-04	Total Recoverable	Water	3005A	
680-230973-11	WAN-LF-EB-05	Total Recoverable	Water	3005A	
680-230973-12	WAN-GWC-7	Total Recoverable	Water	3005A	
680-230973-13	WAN-GWC-11	Total Recoverable	Water	3005A	
680-230973-14	WAN-GWC-13	Total Recoverable	Water	3005A	
680-230973-15	WAN-GWC-15	Total Recoverable	Water	3005A	
680-230973-16	WAN-GWC-19	Total Recoverable	Water	3005A	
680-230973-17	WAN-GWC-21	Total Recoverable	Water	3005A	
680-230973-18	WAN-GWC-23	Total Recoverable	Water	3005A	
680-230973-19	WAN-GWC-25	Total Recoverable	Water	3005A	
680-230973-20	WAN-GWC-26	Total Recoverable	Water	3005A	
MB 680-764699/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-764699/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-230973-1 MS	WAN-GWC-5	Total Recoverable	Water	3005A	
680-230973-1 MSD	WAN-GWC-5	Total Recoverable	Water	3005A	

### Prep Batch: 764701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230973-21	WAN-LF-FB-11	Total Recoverable	Water	3005A	
680-230973-22	WAN-LF-EB-06	Total Recoverable	Water	3005A	
680-230973-23	WAN-GWC-31	Total Recoverable	Water	3005A	
680-230973-24	WAN-GWC-20	Total Recoverable	Water	3005A	
680-230973-25	WAN-LF-EB-07	Total Recoverable	Water	3005A	
680-230973-26	WAN-LF-FD-05	Total Recoverable	Water	3005A	
MB 680-764701/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-764701/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-230968-B-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
680-230968-B-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

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# QC Association Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

## Metals

### Prep Batch: 764919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230973-1	WAN-GWC-5	Total/NA	Water	7470A	
680-230973-2	WAN-GWC-6	Total/NA	Water	7470A	
680-230973-3	WAN-GWC-16	Total/NA	Water	7470A	
680-230973-4	WAN-GWC-17	Total/NA	Water	7470A	
680-230973-5	WAN-GWC-27	Total/NA	Water	7470A	
680-230973-6	WAN-GWC-33	Total/NA	Water	7470A	
680-230973-7	WAN-GWC-34	Total/NA	Water	7470A	
680-230973-8	WAN-GWC-35	Total/NA	Water	7470A	
680-230973-9	WAN-GWC-18	Total/NA	Water	7470A	
680-230973-10	WAN-LF-FD-04	Total/NA	Water	7470A	
680-230973-11	WAN-LF-EB-05	Total/NA	Water	7470A	
680-230973-12	WAN-GWC-7	Total/NA	Water	7470A	
680-230973-13	WAN-GWC-11	Total/NA	Water	7470A	
680-230973-14	WAN-GWC-13	Total/NA	Water	7470A	
680-230973-15	WAN-GWC-15	Total/NA	Water	7470A	
680-230973-16	WAN-GWC-19	Total/NA	Water	7470A	
MB 680-764919/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-764919/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-230968-B-2-C MS	Matrix Spike	Total/NA	Water	7470A	
680-230968-B-2-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Prep Batch: 764939

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230973-17	WAN-GWC-21	Total/NA	Water	7470A	
680-230973-18	WAN-GWC-23	Total/NA	Water	7470A	
680-230973-19	WAN-GWC-25	Total/NA	Water	7470A	
680-230973-20	WAN-GWC-26	Total/NA	Water	7470A	
680-230973-21	WAN-LF-FB-11	Total/NA	Water	7470A	
680-230973-22	WAN-LF-EB-06	Total/NA	Water	7470A	
680-230973-23	WAN-GWC-31	Total/NA	Water	7470A	
680-230973-24	WAN-GWC-20	Total/NA	Water	7470A	
680-230973-25	WAN-LF-EB-07	Total/NA	Water	7470A	
680-230973-26	WAN-LF-FD-05	Total/NA	Water	7470A	
MB 680-764939/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-764939/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-230973-17 MS	WAN-GWC-21	Total/NA	Water	7470A	
680-230973-17 MSD	WAN-GWC-21	Total/NA	Water	7470A	

### Analysis Batch: 764981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230973-1	WAN-GWC-5	Total Recoverable	Water	6020B	764699
680-230973-2	WAN-GWC-6	Total Recoverable	Water	6020B	764699
680-230973-3	WAN-GWC-16	Total Recoverable	Water	6020B	764699
680-230973-4	WAN-GWC-17	Total Recoverable	Water	6020B	764699
680-230973-5	WAN-GWC-27	Total Recoverable	Water	6020B	764699
680-230973-6	WAN-GWC-33	Total Recoverable	Water	6020B	764699
680-230973-7	WAN-GWC-34	Total Recoverable	Water	6020B	764699
680-230973-8	WAN-GWC-35	Total Recoverable	Water	6020B	764699
680-230973-9	WAN-GWC-18	Total Recoverable	Water	6020B	764699
680-230973-10	WAN-LF-FD-04	Total Recoverable	Water	6020B	764699
680-230973-11	WAN-LF-EB-05	Total Recoverable	Water	6020B	764699

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# QC Association Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

## Metals (Continued)

### Analysis Batch: 764981 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230973-12	WAN-GWC-7	Total Recoverable	Water	6020B	764699
680-230973-13	WAN-GWC-11	Total Recoverable	Water	6020B	764699
680-230973-14	WAN-GWC-13	Total Recoverable	Water	6020B	764699
680-230973-15	WAN-GWC-15	Total Recoverable	Water	6020B	764699
680-230973-16	WAN-GWC-19	Total Recoverable	Water	6020B	764699
680-230973-17	WAN-GWC-21	Total Recoverable	Water	6020B	764699
680-230973-18	WAN-GWC-23	Total Recoverable	Water	6020B	764699
680-230973-19	WAN-GWC-25	Total Recoverable	Water	6020B	764699
680-230973-20	WAN-GWC-26	Total Recoverable	Water	6020B	764699
680-230973-21	WAN-LF-FB-11	Total Recoverable	Water	6020B	764701
680-230973-22	WAN-LF-EB-06	Total Recoverable	Water	6020B	764701
680-230973-23	WAN-GWC-31	Total Recoverable	Water	6020B	764701
680-230973-24	WAN-GWC-20	Total Recoverable	Water	6020B	764701
680-230973-25	WAN-LF-EB-07	Total Recoverable	Water	6020B	764701
680-230973-26	WAN-LF-FD-05	Total Recoverable	Water	6020B	764701
MB 680-764699/1-A	Method Blank	Total Recoverable	Water	6020B	764699
MB 680-764701/1-A	Method Blank	Total Recoverable	Water	6020B	764701
LCS 680-764699/2-A	Lab Control Sample	Total Recoverable	Water	6020B	764699
LCS 680-764701/2-A	Lab Control Sample	Total Recoverable	Water	6020B	764701
680-230968-B-1-B MS	Matrix Spike	Total Recoverable	Water	6020B	764701
680-230968-B-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	764701
680-230973-1 MS	WAN-GWC-5	Total Recoverable	Water	6020B	764699
680-230973-1 MSD	WAN-GWC-5	Total Recoverable	Water	6020B	764699

### Analysis Batch: 765270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230973-1	WAN-GWC-5	Total/NA	Water	7470A	764919
680-230973-2	WAN-GWC-6	Total/NA	Water	7470A	764919
680-230973-3	WAN-GWC-16	Total/NA	Water	7470A	764919
680-230973-4	WAN-GWC-17	Total/NA	Water	7470A	764919
680-230973-5	WAN-GWC-27	Total/NA	Water	7470A	764919
680-230973-6	WAN-GWC-33	Total/NA	Water	7470A	764919
680-230973-7	WAN-GWC-34	Total/NA	Water	7470A	764919
680-230973-8	WAN-GWC-35	Total/NA	Water	7470A	764919
680-230973-9	WAN-GWC-18	Total/NA	Water	7470A	764919
680-230973-10	WAN-LF-FD-04	Total/NA	Water	7470A	764919
680-230973-11	WAN-LF-EB-05	Total/NA	Water	7470A	764919
680-230973-12	WAN-GWC-7	Total/NA	Water	7470A	764919
680-230973-13	WAN-GWC-11	Total/NA	Water	7470A	764919
680-230973-14	WAN-GWC-13	Total/NA	Water	7470A	764919
680-230973-15	WAN-GWC-15	Total/NA	Water	7470A	764919
680-230973-16	WAN-GWC-19	Total/NA	Water	7470A	764919
680-230973-17	WAN-GWC-21	Total/NA	Water	7470A	764939
680-230973-18	WAN-GWC-23	Total/NA	Water	7470A	764939
680-230973-19	WAN-GWC-25	Total/NA	Water	7470A	764939
680-230973-20	WAN-GWC-26	Total/NA	Water	7470A	764939
680-230973-21	WAN-LF-FB-11	Total/NA	Water	7470A	764939
680-230973-22	WAN-LF-EB-06	Total/NA	Water	7470A	764939
680-230973-23	WAN-GWC-31	Total/NA	Water	7470A	764939
680-230973-24	WAN-GWC-20	Total/NA	Water	7470A	764939
680-230973-25	WAN-LF-EB-07	Total/NA	Water	7470A	764939

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# QC Association Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

## Metals (Continued)

### Analysis Batch: 765270 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230973-26	WAN-LF-FD-05	Total/NA	Water	7470A	764939
MB 680-764919/1-A	Method Blank	Total/NA	Water	7470A	764919
MB 680-764939/1-A	Method Blank	Total/NA	Water	7470A	764939
LCS 680-764919/2-A	Lab Control Sample	Total/NA	Water	7470A	764919
LCS 680-764939/2-A	Lab Control Sample	Total/NA	Water	7470A	764939
680-230968-B-2-C MS	Matrix Spike	Total/NA	Water	7470A	764919
680-230968-B-2-D MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	764919
680-230973-17 MS	WAN-GWC-21	Total/NA	Water	7470A	764939
680-230973-17 MSD	WAN-GWC-21	Total/NA	Water	7470A	764939

### Prep Batch: 767934

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230973-15	WAN-GWC-15	Total Recoverable	Water	3005A	
MB 680-767934/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-767934/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-232008-A-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
680-232008-A-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Analysis Batch: 768157

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230973-15	WAN-GWC-15	Total Recoverable	Water	6020B	767934
MB 680-767934/1-A	Method Blank	Total Recoverable	Water	6020B	767934
LCS 680-767934/2-A	Lab Control Sample	Total Recoverable	Water	6020B	767934
680-232008-A-1-B MS	Matrix Spike	Total Recoverable	Water	6020B	767934
680-232008-A-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	767934

## General Chemistry

### Analysis Batch: 764873

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230973-1	WAN-GWC-5	Total/NA	Water	2540C-2011	
680-230973-2	WAN-GWC-6	Total/NA	Water	2540C-2011	
680-230973-3	WAN-GWC-16	Total/NA	Water	2540C-2011	
680-230973-4	WAN-GWC-17	Total/NA	Water	2540C-2011	
680-230973-5	WAN-GWC-27	Total/NA	Water	2540C-2011	
680-230973-6	WAN-GWC-33	Total/NA	Water	2540C-2011	
680-230973-7	WAN-GWC-34	Total/NA	Water	2540C-2011	
680-230973-8	WAN-GWC-35	Total/NA	Water	2540C-2011	
680-230973-9	WAN-GWC-18	Total/NA	Water	2540C-2011	
680-230973-10	WAN-LF-FD-04	Total/NA	Water	2540C-2011	
680-230973-11	WAN-LF-EB-05	Total/NA	Water	2540C-2011	
MB 680-764873/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-764873/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-764873/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-230973-1 DU	WAN-GWC-5	Total/NA	Water	2540C-2011	

### Analysis Batch: 765186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230973-12	WAN-GWC-7	Total/NA	Water	2540C-2011	
680-230973-13	WAN-GWC-11	Total/NA	Water	2540C-2011	
680-230973-14	WAN-GWC-13	Total/NA	Water	2540C-2011	

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# QC Association Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

## General Chemistry (Continued)

### Analysis Batch: 765186 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230973-15	WAN-GWC-15	Total/NA	Water	2540C-2011	
680-230973-16	WAN-GWC-19	Total/NA	Water	2540C-2011	
680-230973-17	WAN-GWC-21	Total/NA	Water	2540C-2011	
680-230973-18	WAN-GWC-23	Total/NA	Water	2540C-2011	
680-230973-19	WAN-GWC-25	Total/NA	Water	2540C-2011	
680-230973-20	WAN-GWC-26	Total/NA	Water	2540C-2011	
680-230973-21	WAN-LF-FB-11	Total/NA	Water	2540C-2011	
680-230973-22	WAN-LF-EB-06	Total/NA	Water	2540C-2011	
MB 680-765186/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-765186/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-765186/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-230973-12 DU	WAN-GWC-7	Total/NA	Water	2540C-2011	

### Analysis Batch: 765354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230973-23	WAN-GWC-31	Total/NA	Water	2540C-2011	
680-230973-24	WAN-GWC-20	Total/NA	Water	2540C-2011	
680-230973-25	WAN-LF-EB-07	Total/NA	Water	2540C-2011	
680-230973-26	WAN-LF-FD-05	Total/NA	Water	2540C-2011	
MB 680-765354/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-765354/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-765354/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-230973-24 DU	WAN-GWC-20	Total/NA	Water	2540C-2011	

## Field Service / Mobile Lab

### Analysis Batch: 765433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230973-1	WAN-GWC-5	Total/NA	Water	Field Sampling	
680-230973-2	WAN-GWC-6	Total/NA	Water	Field Sampling	
680-230973-3	WAN-GWC-16	Total/NA	Water	Field Sampling	
680-230973-4	WAN-GWC-17	Total/NA	Water	Field Sampling	
680-230973-5	WAN-GWC-27	Total/NA	Water	Field Sampling	
680-230973-6	WAN-GWC-33	Total/NA	Water	Field Sampling	
680-230973-7	WAN-GWC-34	Total/NA	Water	Field Sampling	
680-230973-8	WAN-GWC-35	Total/NA	Water	Field Sampling	
680-230973-9	WAN-GWC-18	Total/NA	Water	Field Sampling	
680-230973-12	WAN-GWC-7	Total/NA	Water	Field Sampling	
680-230973-13	WAN-GWC-11	Total/NA	Water	Field Sampling	
680-230973-14	WAN-GWC-13	Total/NA	Water	Field Sampling	
680-230973-15	WAN-GWC-15	Total/NA	Water	Field Sampling	
680-230973-16	WAN-GWC-19	Total/NA	Water	Field Sampling	
680-230973-17	WAN-GWC-21	Total/NA	Water	Field Sampling	
680-230973-18	WAN-GWC-23	Total/NA	Water	Field Sampling	
680-230973-19	WAN-GWC-25	Total/NA	Water	Field Sampling	
680-230973-20	WAN-GWC-26	Total/NA	Water	Field Sampling	
680-230973-23	WAN-GWC-31	Total/NA	Water	Field Sampling	
680-230973-24	WAN-GWC-20	Total/NA	Water	Field Sampling	

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# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

## Client Sample ID: WAN-GWC-5

## Lab Sample ID: 680-230973-1

Date Collected: 02/20/23 10:15

Matrix: Water

Date Received: 02/23/23 06:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	765881	03/03/23 23:56	UI	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 21:14	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764919	02/24/23 15:14	JKL	EET SAV
Total/NA	Analysis	7470A		1			765270	02/27/23 15:08	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	764873	02/24/23 11:25	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			765433	02/20/23 10:15	P1C	EET SAV
Instrument ID: NOEQUIP										

## Client Sample ID: WAN-GWC-6

## Lab Sample ID: 680-230973-2

Date Collected: 02/20/23 11:30

Matrix: Water

Date Received: 02/23/23 06:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	765881	03/04/23 00:36	UI	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 21:26	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764919	02/24/23 15:14	JKL	EET SAV
Total/NA	Analysis	7470A		1			765270	02/27/23 15:10	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	764873	02/24/23 11:25	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			765433	02/20/23 11:30	P1C	EET SAV
Instrument ID: NOEQUIP										

## Client Sample ID: WAN-GWC-16

## Lab Sample ID: 680-230973-3

Date Collected: 02/20/23 15:12

Matrix: Water

Date Received: 02/23/23 06:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	765881	03/04/23 00:49	UI	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 21:30	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764919	02/24/23 15:14	JKL	EET SAV
Total/NA	Analysis	7470A		1			765270	02/27/23 15:17	BJB	EET SAV
Instrument ID: QuickTrace2										

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# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

## Client Sample ID: WAN-GWC-16

## Lab Sample ID: 680-230973-3

Date Collected: 02/20/23 15:12

Matrix: Water

Date Received: 02/23/23 06:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	764873	02/24/23 11:25	PG	EET SAV
Total/NA	Analysis	Field Sampling		1			765433	02/20/23 15:12	P1C	EET SAV
Instrument ID: NOEQUIP										

## Client Sample ID: WAN-GWC-17

## Lab Sample ID: 680-230973-4

Date Collected: 02/20/23 16:10

Matrix: Water

Date Received: 02/23/23 06:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	765881	03/04/23 01:02	UI	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 21:34	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764919	02/24/23 15:14	JKL	EET SAV
Total/NA	Analysis	7470A		1			765270	02/27/23 15:19	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	764873	02/24/23 11:25	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			765433	02/20/23 16:10	P1C	EET SAV
Instrument ID: NOEQUIP										

## Client Sample ID: WAN-GWC-27

## Lab Sample ID: 680-230973-5

Date Collected: 02/20/23 12:40

Matrix: Water

Date Received: 02/23/23 06:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	765881	03/04/23 01:15	UI	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 21:38	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764919	02/24/23 15:14	JKL	EET SAV
Total/NA	Analysis	7470A		1			765270	02/27/23 15:21	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	764873	02/24/23 11:25	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			765433	02/20/23 12:40	P1C	EET SAV
Instrument ID: NOEQUIP										

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

## Client Sample ID: WAN-GWC-33

## Lab Sample ID: 680-230973-6

Date Collected: 02/20/23 12:08

Matrix: Water

Date Received: 02/23/23 06:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	765881	03/04/23 01:28	UI	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 21:42	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764919	02/24/23 15:14	JKL	EET SAV
Total/NA	Analysis	7470A		1			765270	02/27/23 15:23	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	764873	02/24/23 11:25	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			765433	02/20/23 12:08	P1C	EET SAV
Instrument ID: NOEQUIP										

## Client Sample ID: WAN-GWC-34

## Lab Sample ID: 680-230973-7

Date Collected: 02/20/23 13:37

Matrix: Water

Date Received: 02/23/23 06:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	766171	03/06/23 16:28	GE	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 21:54	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764919	02/24/23 15:14	JKL	EET SAV
Total/NA	Analysis	7470A		1			765270	02/27/23 15:25	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	764873	02/24/23 11:25	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			765433	02/20/23 13:37	P1C	EET SAV
Instrument ID: NOEQUIP										

## Client Sample ID: WAN-GWC-35

## Lab Sample ID: 680-230973-8

Date Collected: 02/20/23 14:10

Matrix: Water

Date Received: 02/23/23 06:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	766171	03/06/23 12:31	GE	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 21:58	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764919	02/24/23 15:14	JKL	EET SAV
Total/NA	Analysis	7470A		1			765270	02/27/23 15:27	BJB	EET SAV
Instrument ID: QuickTrace2										

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# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

## Client Sample ID: WAN-GWC-35

## Lab Sample ID: 680-230973-8

Date Collected: 02/20/23 14:10

Matrix: Water

Date Received: 02/23/23 06:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	764873	02/24/23 11:25	PG	EET SAV
Total/NA	Analysis	Field Sampling		1			765433	02/20/23 14:10	P1C	EET SAV
Instrument ID: NOEQUIP										

## Client Sample ID: WAN-GWC-18

## Lab Sample ID: 680-230973-9

Date Collected: 02/20/23 16:18

Matrix: Water

Date Received: 02/23/23 06:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	766171	03/06/23 12:44	GE	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 22:02	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764919	02/24/23 15:14	JKL	EET SAV
Total/NA	Analysis	7470A		1			765270	02/27/23 15:30	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	764873	02/24/23 11:25	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			765433	02/20/23 16:18	P1C	EET SAV
Instrument ID: NOEQUIP										

## Client Sample ID: WAN-LF-FD-04

## Lab Sample ID: 680-230973-10

Date Collected: 02/20/23 00:00

Matrix: Water

Date Received: 02/23/23 06:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	766172	03/06/23 21:17	T1C	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 22:07	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764919	02/24/23 15:14	JKL	EET SAV
Total/NA	Analysis	7470A		1			765270	02/27/23 15:32	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	764873	02/24/23 11:25	PG	EET SAV
Instrument ID: NOEQUIP										

## Client Sample ID: WAN-LF-EB-05

## Lab Sample ID: 680-230973-11

Date Collected: 02/20/23 14:00

Matrix: Water

Date Received: 02/23/23 06:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	766172	03/06/23 21:30	T1C	EET SAV
Instrument ID: CICK										

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# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

**Client Sample ID: WAN-LF-EB-05**

**Lab Sample ID: 680-230973-11**

**Date Collected: 02/20/23 14:00**

**Matrix: Water**

**Date Received: 02/23/23 06:30**

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	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 22:11	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764919	02/24/23 15:14	JKL	EET SAV
Total/NA	Analysis	7470A		1			765270	02/27/23 15:34	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	764873	02/24/23 11:25	PG	EET SAV
Instrument ID: NOEQUIP										

**Client Sample ID: WAN-GWC-7**

**Lab Sample ID: 680-230973-12**

**Date Collected: 02/21/23 14:16**

**Matrix: Water**

**Date Received: 02/23/23 06:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	766172	03/06/23 21:44	T1C	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 22:15	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764919	02/24/23 15:14	JKL	EET SAV
Total/NA	Analysis	7470A		1			765270	02/27/23 15:36	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	765186	02/27/23 14:36	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			765433	02/21/23 14:16	P1C	EET SAV
Instrument ID: NOEQUIP										

**Client Sample ID: WAN-GWC-11**

**Lab Sample ID: 680-230973-13**

**Date Collected: 02/21/23 14:55**

**Matrix: Water**

**Date Received: 02/23/23 06:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	766172	03/06/23 21:57	T1C	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 22:19	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764919	02/24/23 15:14	JKL	EET SAV
Total/NA	Analysis	7470A		1			765270	02/27/23 15:42	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	765186	02/27/23 14:36	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			765433	02/21/23 14:55	P1C	EET SAV
Instrument ID: NOEQUIP										

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# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

## Client Sample ID: WAN-GWC-13

## Lab Sample ID: 680-230973-14

Date Collected: 02/21/23 16:35

Matrix: Water

Date Received: 02/23/23 06:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	766172	03/06/23 22:10	T1C	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 22:23	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764919	02/24/23 15:14	JKL	EET SAV
Total/NA	Analysis	7470A		1			765270	02/27/23 15:45	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	765186	02/27/23 14:36	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			765433	02/21/23 16:35	P1C	EET SAV
Instrument ID: NOEQUIP										

## Client Sample ID: WAN-GWC-15

## Lab Sample ID: 680-230973-15

Date Collected: 02/21/23 09:44

Matrix: Water

Date Received: 02/23/23 06:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	766172	03/06/23 22:23	T1C	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 22:27	BWR	EET SAV
Instrument ID: ICPMSC										
Total Recoverable	Prep	3005A			25 mL	125 mL	767934	03/16/23 06:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			768157	03/16/23 17:59	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764919	02/24/23 15:14	JKL	EET SAV
Total/NA	Analysis	7470A		1			765270	02/27/23 15:47	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	765186	02/27/23 14:36	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			765433	02/21/23 09:44	P1C	EET SAV
Instrument ID: NOEQUIP										

## Client Sample ID: WAN-GWC-19

## Lab Sample ID: 680-230973-16

Date Collected: 02/21/23 15:33

Matrix: Water

Date Received: 02/23/23 06:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	766172	03/06/23 22:36	T1C	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 22:31	BWR	EET SAV
Instrument ID: ICPMSC										

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# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

## Client Sample ID: WAN-GWC-19

## Lab Sample ID: 680-230973-16

Date Collected: 02/21/23 15:33

Matrix: Water

Date Received: 02/23/23 06:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	764919	02/24/23 15:14	JKL	EET SAV
Total/NA	Analysis	7470A		1			765270	02/27/23 15:49	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	765186	02/27/23 14:36	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			765433	02/21/23 15:33	P1C	EET SAV
Instrument ID: NOEQUIP										

## Client Sample ID: WAN-GWC-21

## Lab Sample ID: 680-230973-17

Date Collected: 02/21/23 16:50

Matrix: Water

Date Received: 02/23/23 06:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	766173	03/07/23 00:08	T1C	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 22:43	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764939	02/24/23 15:49	JKL	EET SAV
Total/NA	Analysis	7470A		1			765270	02/27/23 14:13	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	765186	02/27/23 14:36	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			765433	02/21/23 16:50	P1C	EET SAV
Instrument ID: NOEQUIP										

## Client Sample ID: WAN-GWC-23

## Lab Sample ID: 680-230973-18

Date Collected: 02/21/23 13:05

Matrix: Water

Date Received: 02/23/23 06:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	766173	03/07/23 00:48	T1C	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 22:47	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764939	02/24/23 15:49	JKL	EET SAV
Total/NA	Analysis	7470A		1			765270	02/27/23 14:19	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	765186	02/27/23 14:36	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			765433	02/21/23 13:05	P1C	EET SAV
Instrument ID: NOEQUIP										

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

## Client Sample ID: WAN-GWC-25

## Lab Sample ID: 680-230973-19

Date Collected: 02/21/23 12:08

Matrix: Water

Date Received: 02/23/23 06:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	766173	03/07/23 01:01	T1C	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 22:51	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764939	02/24/23 15:49	JKL	EET SAV
Total/NA	Analysis	7470A		1			765270	02/27/23 14:21	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	765186	02/27/23 14:36	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			765433	02/21/23 12:08	P1C	EET SAV
Instrument ID: NOEQUIP										

## Client Sample ID: WAN-GWC-26

## Lab Sample ID: 680-230973-20

Date Collected: 02/21/23 11:45

Matrix: Water

Date Received: 02/23/23 06:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	766173	03/07/23 01:14	T1C	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 22:55	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764939	02/24/23 15:49	JKL	EET SAV
Total/NA	Analysis	7470A		1			765270	02/27/23 14:23	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	765186	02/27/23 14:36	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			765433	02/21/23 11:45	P1C	EET SAV
Instrument ID: NOEQUIP										

## Client Sample ID: WAN-LF-FB-11

## Lab Sample ID: 680-230973-21

Date Collected: 02/21/23 14:50

Matrix: Water

Date Received: 02/23/23 06:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	766173	03/07/23 01:27	T1C	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764701	02/23/23 12:42	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/25/23 00:41	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764939	02/24/23 15:49	JKL	EET SAV
Total/NA	Analysis	7470A		1			765270	02/27/23 14:25	BJB	EET SAV
Instrument ID: QuickTrace2										

Eurofins Savannah

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

**Client Sample ID: WAN-LF-FB-11**

**Lab Sample ID: 680-230973-21**

Date Collected: 02/21/23 14:50

Matrix: Water

Date Received: 02/23/23 06:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	765186	02/27/23 14:36	PG	EET SAV

**Client Sample ID: WAN-LF-EB-06**

**Lab Sample ID: 680-230973-22**

Date Collected: 02/21/23 12:35

Matrix: Water

Date Received: 02/23/23 06:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1 Instrument ID: CICK		1	5 mL	5 mL	766173	03/07/23 01:40	T1C	EET SAV
Total Recoverable	Prep	3005A			25 mL	125 mL	764701	02/23/23 12:42	RR	EET SAV
Total Recoverable	Analysis	6020B Instrument ID: ICPMSC		1			764981	02/25/23 00:45	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	764939	02/24/23 15:49	JKL	EET SAV
Total/NA	Analysis	7470A Instrument ID: QuickTrace2		1			765270	02/27/23 14:28	BJB	EET SAV
Total/NA	Analysis	2540C-2011 Instrument ID: NOEQUIP		1	200 mL	200 mL	765186	02/27/23 14:36	PG	EET SAV

**Client Sample ID: WAN-GWC-31**

**Lab Sample ID: 680-230973-23**

Date Collected: 02/22/23 09:41

Matrix: Water

Date Received: 02/23/23 06:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1 Instrument ID: CICK		1	5 mL	5 mL	766173	03/07/23 01:53	T1C	EET SAV
Total Recoverable	Prep	3005A			25 mL	125 mL	764701	02/23/23 12:42	RR	EET SAV
Total Recoverable	Analysis	6020B Instrument ID: ICPMSC		1			764981	02/25/23 00:58	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	764939	02/24/23 15:49	JKL	EET SAV
Total/NA	Analysis	7470A Instrument ID: QuickTrace2		1			765270	02/27/23 14:34	BJB	EET SAV
Total/NA	Analysis	2540C-2011 Instrument ID: NOEQUIP		1	200 mL	200 mL	765354	02/28/23 12:26	PG	EET SAV
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			765433	02/22/23 09:41	P1C	EET SAV

**Client Sample ID: WAN-GWC-20**

**Lab Sample ID: 680-230973-24**

Date Collected: 02/22/23 11:05

Matrix: Water

Date Received: 02/23/23 06:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1 Instrument ID: CICK		1	5 mL	5 mL	766173	03/07/23 02:07	T1C	EET SAV
Total Recoverable	Prep	3005A			25 mL	125 mL	764701	02/23/23 12:42	RR	EET SAV
Total Recoverable	Analysis	6020B Instrument ID: ICPMSC		1			764981	02/25/23 01:02	BWR	EET SAV

Eurofins Savannah

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

## Client Sample ID: WAN-GWC-20

## Lab Sample ID: 680-230973-24

Date Collected: 02/22/23 11:05

Matrix: Water

Date Received: 02/23/23 06:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	764939	02/24/23 15:49	JKL	EET SAV
Total/NA	Analysis	7470A		1			765270	02/27/23 14:36	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	765354	02/28/23 12:26	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			765433	02/22/23 11:05	P1C	EET SAV
Instrument ID: NOEQUIP										

## Client Sample ID: WAN-LF-EB-07

## Lab Sample ID: 680-230973-25

Date Collected: 02/22/23 09:45

Matrix: Water

Date Received: 02/23/23 06:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	766173	03/07/23 02:20	T1C	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764701	02/23/23 12:42	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/25/23 01:06	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764939	02/24/23 15:49	JKL	EET SAV
Total/NA	Analysis	7470A		1			765270	02/27/23 14:38	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	765354	02/28/23 12:26	PG	EET SAV
Instrument ID: NOEQUIP										

## Client Sample ID: WAN-LF-FD-05

## Lab Sample ID: 680-230973-26

Date Collected: 02/22/23 00:00

Matrix: Water

Date Received: 02/23/23 06:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	766173	03/07/23 02:33	T1C	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764701	02/23/23 12:42	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/25/23 01:10	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764939	02/24/23 15:49	JKL	EET SAV
Total/NA	Analysis	7470A		1			765270	02/27/23 14:40	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	765354	02/28/23 12:26	PG	EET SAV
Instrument ID: NOEQUIP										

**Laboratory References:**

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

# Accreditation/Certification Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

## Laboratory: Eurofins Savannah

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

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

1

2

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# Method Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-1

Method	Method Description	Protocol	Laboratory
300.0-1993 R2.1	Anions, Ion Chromatography	MCAWW	EET SAV
6020B	Metals (ICP/MS)	SW846	EET SAV
7470A	Mercury	SW846	EET SAV
2540C-2011	Total Dissolved Solids (Dried at 180 °C)	SM	EET SAV
Field Sampling	Field Sampling	EPA	EET SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV
7470A	Preparation, Mercury	SW846	EET SAV

#### Protocol References:

EPA = US Environmental Protection Agency

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

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

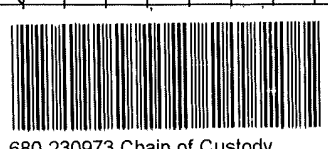
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

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



# Chain of Custody Record

<b>Client Information</b> Client Contact: <u>David Johnson</u> SCS Contacts: <u>770-594-5998</u> Company: <u>GA Power</u> Address: <u>241 Ralph McGill Blvd SE</u> City: <u>Atlanta</u> State Zip: <u>GA, 30308</u> Phone: <u>404-506-7116(Tel)</u> Email: _____ SCS Contacts / ACC Contacts: _____ Project Name: _____ Plant Wansley Landfill Site: _____		Lab PM: <u>Fuller, David</u> E-Mail: <u>david.fuller@et.eurolfins.com</u> Carrier Tracking No(s): _____ Lab Project #: <u>68027763</u> PO #: _____ Project #: _____ SSOW#: _____		Due Date Requested: _____ TAT Requested (days): _____ Date Requested: _____		ACC: <u>Johnson, D. Johnson</u> Phone: <u>770-594-5998</u> E-Mail: <u>david.fuller@et.eurolfins.com</u>		Lab PM: <u>Fuller, David</u> E-Mail: <u>david.fuller@et.eurolfins.com</u>		COC No: _____ Page: <u>1 of 3</u> Job #: _____																																																																																																																																																																																													
<b>Analysis Requested</b>																																																																																																																																																																																																							
Total Number of Containers: _____ Task Code: <u>WAN-CCR-ASSMT-2023S1</u> Special Instructions/Note: <u>APP III + State Permit Metals</u>																																																																																																																																																																																																							
680-230973 Chain of Custody 																																																																																																																																																																																																							
<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">Sample Identification</th> <th rowspan="2">Sample Date (mm/dd/yy)</th> <th rowspan="2">Sample Time (hh:mm)</th> <th rowspan="2">Sample Type (C=comp, G=grab)</th> <th rowspan="2">Matrix (Microground water, Resuspended water, High purity control)</th> <th rowspan="2">Preservation Code</th> <th colspan="2">Field Filtered Sample (Yes or No)</th> <th colspan="2">Perform MS/MSD (Yes or No)</th> <th colspan="2">AP III and State Permit Metals (EPA 6020 &amp; 7470) As, B, Ba, Ca, Cd, Cr, Co, Cu, Pb, Ni, Sb, Se, Ag, Tl, V, Zn, Hg</th> <th colspan="2">CI T, SO<sub>4</sub>, TDS (EPA 300.0 &amp; SM 2540C)</th> <th rowspan="2">pH=</th> </tr> <tr> <th>D</th> <th>I</th> <th>D</th> <th>I</th> <th>D</th> <th>I</th> <th>D</th> <th>I</th> </tr> </thead> <tbody> <tr> <td>WAN-GWC-5</td> <td>02/20/23</td> <td>1015</td> <td>G</td> <td>WG</td> <td></td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>6.28</td> </tr> <tr> <td>WAN-GWC-6</td> <td>02/20/23</td> <td>1130</td> <td>G</td> <td>WG</td> <td></td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>5.94</td> </tr> <tr> <td>WAN-GWC-16</td> <td>02/20/23</td> <td>1512</td> <td>G</td> <td>WG</td> <td></td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>6.08</td> </tr> <tr> <td>WAN-GWC-17</td> <td>02/20/23</td> <td>1610</td> <td>G</td> <td>WG</td> <td></td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>6.06</td> </tr> <tr> <td>WAN-GWC-27</td> <td>02/20/23</td> <td>1240</td> <td>G</td> <td>WG</td> <td></td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>5.33</td> </tr> <tr> <td>WAN-GWC-33</td> <td>02/20/23</td> <td>1208</td> <td>G</td> <td>WG</td> <td></td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>6.21</td> </tr> <tr> <td>WAN-GWC-34</td> <td>02/20/23</td> <td>1337</td> <td>G</td> <td>WG</td> <td></td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>5.96</td> </tr> <tr> <td>WAN-GWC-35</td> <td>02/20/23</td> <td>1410</td> <td>G</td> <td>WG</td> <td></td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>5.51</td> </tr> <tr> <td>WAN-GWC-18</td> <td>02/20/23</td> <td>1618</td> <td>G</td> <td>WG</td> <td></td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>5.87</td> </tr> <tr> <td>WAN-LF-FD-04</td> <td>02/20/23</td> <td>---</td> <td>G</td> <td>WG</td> <td></td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>---</td> </tr> <tr> <td>WAN-LF-EB-05</td> <td>02/20/23</td> <td>1400</td> <td>G</td> <td>WG</td> <td></td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>N</td> <td>---</td> </tr> </tbody> </table>												Sample Identification	Sample Date (mm/dd/yy)	Sample Time (hh:mm)	Sample Type (C=comp, G=grab)	Matrix (Microground water, Resuspended water, High purity control)	Preservation Code	Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		AP III and State Permit Metals (EPA 6020 & 7470) As, B, Ba, Ca, Cd, Cr, Co, Cu, Pb, Ni, Sb, Se, Ag, Tl, V, Zn, Hg		CI T, SO <sub>4</sub> , TDS (EPA 300.0 & SM 2540C)		pH=	D	I	D	I	D	I	D	I	WAN-GWC-5	02/20/23	1015	G	WG		N	N	N	N	N	N	N	N	6.28	WAN-GWC-6	02/20/23	1130	G	WG		N	N	N	N	N	N	N	N	5.94	WAN-GWC-16	02/20/23	1512	G	WG		N	N	N	N	N	N	N	N	6.08	WAN-GWC-17	02/20/23	1610	G	WG		N	N	N	N	N	N	N	N	6.06	WAN-GWC-27	02/20/23	1240	G	WG		N	N	N	N	N	N	N	N	5.33	WAN-GWC-33	02/20/23	1208	G	WG		N	N	N	N	N	N	N	N	6.21	WAN-GWC-34	02/20/23	1337	G	WG		N	N	N	N	N	N	N	N	5.96	WAN-GWC-35	02/20/23	1410	G	WG		N	N	N	N	N	N	N	N	5.51	WAN-GWC-18	02/20/23	1618	G	WG		N	N	N	N	N	N	N	N	5.87	WAN-LF-FD-04	02/20/23	---	G	WG		N	N	N	N	N	N	N	N	---	WAN-LF-EB-05	02/20/23	1400	G	WG		N	N	N	N	N	N	N	N	---
Sample Identification	Sample Date (mm/dd/yy)	Sample Time (hh:mm)	Sample Type (C=comp, G=grab)	Matrix (Microground water, Resuspended water, High purity control)	Preservation Code	Field Filtered Sample (Yes or No)		Perform MS/MSD (Yes or No)		AP III and State Permit Metals (EPA 6020 & 7470) As, B, Ba, Ca, Cd, Cr, Co, Cu, Pb, Ni, Sb, Se, Ag, Tl, V, Zn, Hg								CI T, SO <sub>4</sub> , TDS (EPA 300.0 & SM 2540C)		pH=																																																																																																																																																																																			
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WAN-GWC-5	02/20/23	1015	G	WG		N	N	N	N	N	N	N	N	6.28																																																																																																																																																																																									
WAN-GWC-6	02/20/23	1130	G	WG		N	N	N	N	N	N	N	N	5.94																																																																																																																																																																																									
WAN-GWC-16	02/20/23	1512	G	WG		N	N	N	N	N	N	N	N	6.08																																																																																																																																																																																									
WAN-GWC-17	02/20/23	1610	G	WG		N	N	N	N	N	N	N	N	6.06																																																																																																																																																																																									
WAN-GWC-27	02/20/23	1240	G	WG		N	N	N	N	N	N	N	N	5.33																																																																																																																																																																																									
WAN-GWC-33	02/20/23	1208	G	WG		N	N	N	N	N	N	N	N	6.21																																																																																																																																																																																									
WAN-GWC-34	02/20/23	1337	G	WG		N	N	N	N	N	N	N	N	5.96																																																																																																																																																																																									
WAN-GWC-35	02/20/23	1410	G	WG		N	N	N	N	N	N	N	N	5.51																																																																																																																																																																																									
WAN-GWC-18	02/20/23	1618	G	WG		N	N	N	N	N	N	N	N	5.87																																																																																																																																																																																									
WAN-LF-FD-04	02/20/23	---	G	WG		N	N	N	N	N	N	N	N	---																																																																																																																																																																																									
WAN-LF-EB-05	02/20/23	1400	G	WG		N	N	N	N	N	N	N	N	---																																																																																																																																																																																									
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological																																																																																																																																																																																																							
Deliverable Requested I II III, IV Other (specify) _____																																																																																																																																																																																																							
Empty Kit Relinquished by _____ Date: _____ Relinquished by <u>David Johnson</u> Date/Time: <u>2/22/23 / 1556</u> Company: <u>GA Power</u> Relinquished by <u>David Johnson</u> Date/Time: <u>2/22/23 / 1600</u> Company: <u>GA Power</u> Relinquished by <u>David Johnson</u> Date/Time: <u>2/22/23 / 1600</u> Company: <u>GA Power</u>																																																																																																																																																																																																							
Special Instructions/QC Requirements _____ Method of Shipment: _____ Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months																																																																																																																																																																																																							
Cooler Temperature(s) °C and Other Remarks: <u>5.5-5.5</u>																																																																																																																																																																																																							



**Chain of Custody Record**



Client Information		Lab PIV		Carrier Tracking No(s)		COC No.	
Client Contact: <b>T. Johnson, D. Johnson</b>		Fuller, David					
SCS Contacts		E-Mail: <b>david.fuller@et.eurofins.us.com</b>				Page: <b>2 of 3</b>	
Company: <b>GA Power</b>		Phone: <b>770-594-5998</b>				Job #:	
Due Date Requested							
Address: <b>241 Ralph McGill Blvd SE</b>							
City: <b>Atlanta</b>							
State Zip: <b>GA, 30308</b>							
Phone: <b>404-506-7116(Tel)</b>							
Email:							
SCS Contacts / ACC Contacts							
Project Name: <b>Plant Wansley Landfill</b>							
Site:							
Sample Identification	Sample Date (mm/dd/yy)	Sample Time (hhmm)	Sample Type (C=Comp, G=grab)	Matrix (WG=ground water, WS=surface water, WQ=quality control)	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Analysis Requested
WAN-GWC-7	02/21/23	1416	G	WG	N	N	Preservation Codes: M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2SO3 S - H2SO4 G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 X - Other (specify)
WAN-GWC-11	02/21/23	1455	G	WG	N	N	
WAN-GWC-13	02/21/23	1635	G	WG	N	N	
WAN-GWC-15	02/21/23	0944	G	WG	N	N	
WAN-GWC-19	02/21/23	1533	G	WG	N	N	
WAN-GWC-21	02/21/23	1650	G	WG	N	N	
WAN-GWC-23	02/21/23	1305	G	WG	N	N	
WAN-GWC-25	02/21/23	1208	G	WG	N	N	
WAN-GWC-26	02/21/23	1145	G	WG	N	N	
WAN-LF-FB-11	02/21/23	1450	G	WQ	N	N	
WAN-LF-EB-06	02/21/23	1235	G	WQ	N	N	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological							
Deliverable Requested I II III IV, Other (specify)							
Empty Kit Relinquished by							
Relinquished by: <i>[Signature]</i> Date Time: 2/22/23 1550 Company: ACC							
Relinquished by: <i>[Signature]</i> Date Time: 2/22/23 1600 Company: SCS							
Relinquished by: <i>[Signature]</i> Date Time: 02/23/23 10:50 Company: [Blank]							
Custody Seals Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No							
Custody Seal No: <b>1-0-1-0</b>							
Cooler Temperature(s) °C and Other Remarks:							
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months							
Special Instructions/QC Requirements							
Method of Shipment							
Total Number of containers: <b>3</b> pH= <b>6.50</b> pH= <b>5.96</b> pH= <b>6.62</b> pH= <b>7.22</b> pH= <b>5.73</b> pH= <b>5.37</b> pH= <b>5.88</b> pH= <b>5.93</b> pH= <b>5.58</b> pH= _____ pH= _____							
Task Code: <b>WAN-CCR-ASSMT-2023S1</b> Special Instructions/Note: <b>APP III + State Permit Metals</b>							



### Chain of Custody Record

<b>Client Information</b>		Lab PM: Fuller, David		Carrier Tracking No(s)		COC No:	
Company: GA Power		E-Mail: david.fuller@et.eurofinsus.com		Page: 3 of 3		Job #:	
Address: 241 Ralph McGill Blvd SE		City: Atlanta		State Zip: GA, 30308		Phone: 404-506-7116(Tel)	
Email:		Project Name: Plant Wansley Landfill		Site:		SSOW#:	
Due Date Requested:		TAT Requested (days):		Lab Project #: 68027763		PO #:	
Sample Identification		Sample Date (mm/dd/yy)		Sample Time (hhmm)		Sample Type (C=Comp, G=grab)	
WAN-GWC-31		02/22/23		0941		G	
WAN-GWC-20		02/22/23		1105		G	
WAN-LF-EB-07		02/22/23		0945		G	
WAN-LF-FD-05		02/22/23		---		G	
WAN-						G	
WAN-						G	
WAN-						G	
WAN-						G	
WAN-						G	
WAN-						G	
WAN-						G	
WAN-						G	
Possible Hazard Identification		Date		Time		Method of Shipment:	
<input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		2/22/23		1556		Company: ACC	
Deliverable Requested I, II, III, IV Other (specify)		2/27/23		16:00		Company: Benv	
Empty Kit Relinquished by		2/27/23		16:00		Company: Benv	
Relinquished by: David Johnson		2/27/23		16:00		Company: Benv	
Relinquished by: Jay Jay		2/27/23		16:00		Company: Benv	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Cooler Temperature(s) °C and Other Remarks: 21.0 - 21.0		Date/Time: 2/27/23 16:00		Company: Benv	



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-230973-1

**Login Number: 230973**

**List Source: Eurofins Savannah**

**List Number: 1**

**Creator: Harley, Tynisha**

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

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Robert (Trey) Singleton  
Southern Company  
3535 Colonnade Parkway  
Bin S 530 EC  
Birmingham, Alabama 35243

Generated 2/23/2023 6:41:20 PM

## JOB DESCRIPTION

Plant Wansley Landfill

## JOB NUMBER

680-230703-2

# Eurofins Savannah

## Job Notes

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

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

## Authorization



Generated  
2/23/2023 6:41:20 PM

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

# Definitions/Glossary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-2

## Qualifiers

### Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.

## Glossary

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

# Sample Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-230703-1	WAN-GWA-29	Water	02/13/23 16:44	02/17/23 07:47
680-230703-2	WAN-GWA-1	Water	02/14/23 14:15	02/17/23 07:47
680-230703-3	WAN-GWA-2	Water	02/14/23 13:00	02/17/23 07:47
680-230703-4	WAN-GWA-3	Water	02/14/23 11:47	02/17/23 07:47
680-230703-5	WAN-GWA-4	Water	02/14/23 13:05	02/17/23 07:47
680-230703-6	WAN-GWA-28	Water	02/14/23 14:05	02/17/23 07:47
680-230703-7	WAN-GWC-22	Water	02/14/23 16:45	02/17/23 07:47
680-230703-8	WAN-GWC-30	Water	02/14/23 16:05	02/17/23 07:47
680-230703-9	WAN-GWC-10	Water	02/15/23 09:25	02/17/23 07:47
680-230703-10	WAN-GWC-12	Water	02/15/23 11:35	02/17/23 07:47
680-230703-12	WAN-GWC-32	Water	02/15/23 11:08	02/17/23 07:47
680-230703-13	WAN-GWC-8	Water	02/15/23 14:55	02/17/23 07:47
680-230703-14	WAN-GWC-9	Water	02/15/23 16:35	02/17/23 07:47

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# Case Narrative

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-2

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**Job ID: 680-230703-2**

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**Laboratory: Eurofins Savannah**

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**Narrative**

**Job Narrative  
680-230703-2**

**Receipt**

The samples were received on 2/17/2023 7:47 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 0.3°C

**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.

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-2

## Client Sample ID: WAN-GWA-29

## Lab Sample ID: 680-230703-1

Date Collected: 02/13/23 16:44

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	1.7		0.50	0.023	mg/L		02/20/23 11:24	02/21/23 11:50	1
Potassium	1.1		0.50	0.044	mg/L		02/20/23 11:24	02/21/23 11:50	1
Sodium	13		0.50	0.20	mg/L		02/20/23 11:24	02/21/23 11:50	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	37		5.0	5.0	mg/L			02/20/23 18:09	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	37		5.0	5.0	mg/L			02/20/23 18:09	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/20/23 18:09	1

## Client Sample ID: WAN-GWA-1

## Lab Sample ID: 680-230703-2

Date Collected: 02/14/23 14:15

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	0.79		0.50	0.023	mg/L		02/20/23 09:23	02/20/23 17:29	1
Potassium	1.2		0.50	0.044	mg/L		02/20/23 09:23	02/20/23 17:29	1
Sodium	1.7		0.50	0.20	mg/L		02/20/23 09:23	02/20/23 17:29	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	7.9		5.0	5.0	mg/L			02/20/23 18:00	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	7.9		5.0	5.0	mg/L			02/20/23 18:00	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/20/23 18:00	1

## Client Sample ID: WAN-GWA-2

## Lab Sample ID: 680-230703-3

Date Collected: 02/14/23 13:00

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	2.3		0.50	0.023	mg/L		02/20/23 09:23	02/20/23 17:54	1
Potassium	1.7		0.50	0.044	mg/L		02/20/23 09:23	02/20/23 17:54	1
Sodium	2.3		0.50	0.20	mg/L		02/20/23 09:23	02/20/23 17:54	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	12		5.0	5.0	mg/L			02/20/23 18:16	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	12		5.0	5.0	mg/L			02/20/23 18:16	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/20/23 18:16	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-2

## Client Sample ID: WAN-GWA-3

## Lab Sample ID: 680-230703-4

Date Collected: 02/14/23 11:47

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	13		0.50	0.023	mg/L		02/20/23 09:23	02/20/23 17:09	1
Potassium	4.6		0.50	0.044	mg/L		02/20/23 09:23	02/20/23 17:09	1
Sodium	11		0.50	0.20	mg/L		02/20/23 09:23	02/20/23 17:09	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	27		5.0	5.0	mg/L			02/20/23 18:25	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	27		5.0	5.0	mg/L			02/20/23 18:25	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/20/23 18:25	1

## Client Sample ID: WAN-GWA-4

## Lab Sample ID: 680-230703-5

Date Collected: 02/14/23 13:05

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	5.7		0.50	0.023	mg/L		02/20/23 09:23	02/20/23 17:17	1
Potassium	3.1		0.50	0.044	mg/L		02/20/23 09:23	02/20/23 17:17	1
Sodium	10		0.50	0.20	mg/L		02/20/23 09:23	02/20/23 17:17	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	97		5.0	5.0	mg/L			02/20/23 18:34	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	97		5.0	5.0	mg/L			02/20/23 18:34	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/20/23 18:34	1

## Client Sample ID: WAN-GWA-28

## Lab Sample ID: 680-230703-6

Date Collected: 02/14/23 14:05

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	1.1		0.50	0.023	mg/L		02/20/23 09:23	02/20/23 17:25	1
Potassium	0.82		0.50	0.044	mg/L		02/20/23 09:23	02/20/23 17:25	1
Sodium	11		0.50	0.20	mg/L		02/20/23 09:23	02/20/23 17:25	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	790		5.0	5.0	mg/L			02/21/23 17:25	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	790		5.0	5.0	mg/L			02/21/23 17:25	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/21/23 17:25	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-2

## Client Sample ID: WAN-GWC-22

## Lab Sample ID: 680-230703-7

Date Collected: 02/14/23 16:45

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	5.3		0.50	0.023	mg/L		02/20/23 09:23	02/20/23 17:42	1
Potassium	0.93		0.50	0.044	mg/L		02/20/23 09:23	02/20/23 17:42	1
Sodium	9.7		0.50	0.20	mg/L		02/20/23 09:23	02/20/23 17:42	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	7.9		5.0	5.0	mg/L			02/21/23 18:00	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	7.9		5.0	5.0	mg/L			02/21/23 18:00	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/21/23 18:00	1

## Client Sample ID: WAN-GWC-30

## Lab Sample ID: 680-230703-8

Date Collected: 02/14/23 16:05

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	1.3		0.50	0.023	mg/L		02/20/23 11:24	02/21/23 11:29	1
Potassium	1.7		0.50	0.044	mg/L		02/20/23 11:24	02/21/23 11:29	1
Sodium	5.8		0.50	0.20	mg/L		02/20/23 11:24	02/21/23 11:29	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	590		5.0	5.0	mg/L			02/22/23 00:19	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	590		5.0	5.0	mg/L			02/22/23 00:19	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/22/23 00:19	1

## Client Sample ID: WAN-GWC-10

## Lab Sample ID: 680-230703-9

Date Collected: 02/15/23 09:25

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	5.3		0.50	0.023	mg/L		02/20/23 09:23	02/20/23 17:50	1
Potassium	1.7		0.50	0.044	mg/L		02/20/23 09:23	02/20/23 17:50	1
Sodium	14		0.50	0.20	mg/L		02/20/23 09:23	02/20/23 17:50	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	12		5.0	5.0	mg/L			02/21/23 18:16	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	12		5.0	5.0	mg/L			02/21/23 18:16	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/21/23 18:16	1

Eurofins Savannah

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-2

## Client Sample ID: WAN-GWC-12

## Lab Sample ID: 680-230703-10

Date Collected: 02/15/23 11:35

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	8.2		0.50	0.023	mg/L		02/20/23 09:23	02/20/23 17:13	1
Potassium	4.6		0.50	0.044	mg/L		02/20/23 09:23	02/20/23 17:13	1
Sodium	13		0.50	0.20	mg/L		02/20/23 09:23	02/20/23 17:13	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	37		5.0	5.0	mg/L			02/21/23 18:09	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	37		5.0	5.0	mg/L			02/21/23 18:09	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/21/23 18:09	1

## Client Sample ID: WAN-GWC-32

## Lab Sample ID: 680-230703-12

Date Collected: 02/15/23 11:08

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	3.5		0.50	0.023	mg/L		02/20/23 11:24	02/21/23 11:46	1
Potassium	1.9		0.50	0.044	mg/L		02/20/23 11:24	02/21/23 11:46	1
Sodium	12		0.50	0.20	mg/L		02/20/23 11:24	02/21/23 11:46	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	27		5.0	5.0	mg/L			02/21/23 18:25	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	27		5.0	5.0	mg/L			02/21/23 18:25	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/21/23 18:25	1

## Client Sample ID: WAN-GWC-8

## Lab Sample ID: 680-230703-13

Date Collected: 02/15/23 14:55

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	10		0.50	0.023	mg/L		02/20/23 09:23	02/20/23 17:21	1
Potassium	2.1		0.50	0.044	mg/L		02/20/23 09:23	02/20/23 17:21	1
Sodium	5.5		0.50	0.20	mg/L		02/20/23 09:23	02/20/23 17:21	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	150		5.0	5.0	mg/L			02/21/23 19:05	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	150		5.0	5.0	mg/L			02/21/23 19:05	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/21/23 19:05	1

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# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Wansley Landfill

Job ID: 680-230703-2

**Client Sample ID: WAN-GWC-9**

**Lab Sample ID: 680-230703-14**

Date Collected: 02/15/23 16:35

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	4.6		0.50	0.023	mg/L		02/20/23 09:23	02/20/23 17:46	1
Potassium	3.1		0.50	0.044	mg/L		02/20/23 09:23	02/20/23 17:46	1
Sodium	2.6		0.50	0.20	mg/L		02/20/23 09:23	02/20/23 17:46	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	420		5.0	5.0	mg/L			02/21/23 17:53	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	420		5.0	5.0	mg/L			02/21/23 17:53	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/21/23 17:53	1

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-2

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

**Lab Sample ID: MB 680-764059/1-A**  
**Matrix: Water**  
**Analysis Batch: 764211**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764059**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.023		0.50	0.023	mg/L		02/20/23 09:23	02/20/23 16:04	1
Potassium	<0.044		0.50	0.044	mg/L		02/20/23 09:23	02/20/23 16:04	1
Sodium	<0.20		0.50	0.20	mg/L		02/20/23 09:23	02/20/23 16:04	1

**Lab Sample ID: LCS 680-764059/2-A**  
**Matrix: Water**  
**Analysis Batch: 764211**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764059**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Magnesium	5.01	5.10		mg/L		102	80 - 120
Potassium	6.97	7.01		mg/L		101	80 - 120
Sodium	5.05	5.16		mg/L		102	80 - 120

**Lab Sample ID: 680-230722-H-3-B MS**  
**Matrix: Water**  
**Analysis Batch: 764211**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764059**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Magnesium	8.3		5.01	13.8		mg/L		110	75 - 125
Potassium	16	F1	6.97	24.7	F1	mg/L		132	75 - 125
Sodium	29		5.05	34.3	4	mg/L		110	75 - 125

**Lab Sample ID: 680-230722-H-3-C MSD**  
**Matrix: Water**  
**Analysis Batch: 764211**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764059**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Magnesium	8.3		5.01	13.4		mg/L		101	75 - 125	3	20
Potassium	16	F1	6.97	23.2		mg/L		111	75 - 125	6	20
Sodium	29		5.05	33.0	4	mg/L		85	75 - 125	4	20

**Lab Sample ID: MB 680-764105/1-A**  
**Matrix: Water**  
**Analysis Batch: 764406**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764105**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	<0.023		0.50	0.023	mg/L		02/20/23 11:24	02/21/23 11:21	1
Potassium	<0.044		0.50	0.044	mg/L		02/20/23 11:24	02/21/23 11:21	1
Sodium	<0.20		0.50	0.20	mg/L		02/20/23 11:24	02/21/23 11:21	1

**Lab Sample ID: LCS 680-764105/2-A**  
**Matrix: Water**  
**Analysis Batch: 764406**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764105**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Magnesium	5.01	5.19		mg/L		104	80 - 120
Potassium	6.97	7.04		mg/L		101	80 - 120
Sodium	5.05	5.28		mg/L		105	80 - 120

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-2

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

**Lab Sample ID: 680-230703-8 MS**  
**Matrix: Water**  
**Analysis Batch: 764406**

**Client Sample ID: WAN-GWC-30**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764105**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Magnesium	1.3		5.01	6.25		mg/L		99	75 - 125
Potassium	1.7		6.97	8.53		mg/L		98	75 - 125
Sodium	5.8		5.05	10.9		mg/L		101	75 - 125

**Lab Sample ID: 680-230703-8 MSD**  
**Matrix: Water**  
**Analysis Batch: 764406**

**Client Sample ID: WAN-GWC-30**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764105**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Magnesium	1.3		5.01	6.44		mg/L		102	75 - 125	3	20
Potassium	1.7		6.97	8.65		mg/L		100	75 - 125	1	20
Sodium	5.8		5.05	11.2		mg/L		108	75 - 125	3	20

## Method: 2320B-2011 - Alkalinity, Total

**Lab Sample ID: MB 680-764282/4**  
**Matrix: Water**  
**Analysis Batch: 764282**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/20/23 16:52	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/20/23 16:52	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/20/23 16:52	1

**Lab Sample ID: LCS 680-764282/6**  
**Matrix: Water**  
**Analysis Batch: 764282**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	250	251		mg/L		100	90 - 112

**Lab Sample ID: LCSD 680-764282/31**  
**Matrix: Water**  
**Analysis Batch: 764282**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Alkalinity as CaCO3	250	256		mg/L		102	90 - 112	2	30

**Lab Sample ID: 680-230623-C-1 DU**  
**Matrix: Water**  
**Analysis Batch: 764282**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3	790		799		mg/L		1	30
Bicarbonate Alkalinity as CaCO3	790		799		mg/L		1	30
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	30

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-2

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

**Lab Sample ID: MB 680-764461/4**  
**Matrix: Water**  
**Analysis Batch: 764461**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/21/23 16:52	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/21/23 16:52	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/21/23 16:52	1

**Lab Sample ID: LCS 680-764461/6**  
**Matrix: Water**  
**Analysis Batch: 764461**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	250	251		mg/L		100	90 - 112

**Lab Sample ID: LCSD 680-764461/31**  
**Matrix: Water**  
**Analysis Batch: 764461**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Alkalinity as CaCO3	250	256		mg/L		102	90 - 112	2	30

**Lab Sample ID: 680-230703-6 DU**  
**Matrix: Water**  
**Analysis Batch: 764461**

**Client Sample ID: WAN-GWA-28**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3	790		799		mg/L		1	30
Bicarbonate Alkalinity as CaCO3	790		799		mg/L		1	30
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	30

**Lab Sample ID: MB 680-764465/4**  
**Matrix: Water**  
**Analysis Batch: 764465**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/22/23 23:02	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/22/23 23:02	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/22/23 23:02	1

**Lab Sample ID: LCS 680-764465/6**  
**Matrix: Water**  
**Analysis Batch: 764465**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Alkalinity as CaCO3	250	251		mg/L		101	90 - 112

**Lab Sample ID: LCSD 680-764465/31**  
**Matrix: Water**  
**Analysis Batch: 764465**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Alkalinity as CaCO3	250	254		mg/L		102	90 - 112	1	30

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-2

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

Lab Sample ID: 680-230724-B-16 DU  
Matrix: Water  
Analysis Batch: 764465

Client Sample ID: Duplicate  
Prep Type: Total/NA

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	Limit
Total Alkalinity as CaCO3	57		57.5		mg/L		0.8	30
Bicarbonate Alkalinity as CaCO3	57		57.5		mg/L		0.8	30
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	30

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

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-2

## Metals

### Prep Batch: 764059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-2	WAN-GWA-1	Total Recoverable	Water	3005A	
680-230703-3	WAN-GWA-2	Total Recoverable	Water	3005A	
680-230703-4	WAN-GWA-3	Total Recoverable	Water	3005A	
680-230703-5	WAN-GWA-4	Total Recoverable	Water	3005A	
680-230703-6	WAN-GWA-28	Total Recoverable	Water	3005A	
680-230703-7	WAN-GWC-22	Total Recoverable	Water	3005A	
680-230703-9	WAN-GWC-10	Total Recoverable	Water	3005A	
680-230703-10	WAN-GWC-12	Total Recoverable	Water	3005A	
680-230703-13	WAN-GWC-8	Total Recoverable	Water	3005A	
680-230703-14	WAN-GWC-9	Total Recoverable	Water	3005A	
MB 680-764059/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-764059/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-230722-H-3-B MS	Matrix Spike	Total Recoverable	Water	3005A	
680-230722-H-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Prep Batch: 764105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-1	WAN-GWA-29	Total Recoverable	Water	3005A	
680-230703-8	WAN-GWC-30	Total Recoverable	Water	3005A	
680-230703-12	WAN-GWC-32	Total Recoverable	Water	3005A	
MB 680-764105/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-764105/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-230703-8 MS	WAN-GWC-30	Total Recoverable	Water	3005A	
680-230703-8 MSD	WAN-GWC-30	Total Recoverable	Water	3005A	

### Analysis Batch: 764211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-2	WAN-GWA-1	Total Recoverable	Water	6020B	764059
680-230703-3	WAN-GWA-2	Total Recoverable	Water	6020B	764059
680-230703-4	WAN-GWA-3	Total Recoverable	Water	6020B	764059
680-230703-5	WAN-GWA-4	Total Recoverable	Water	6020B	764059
680-230703-6	WAN-GWA-28	Total Recoverable	Water	6020B	764059
680-230703-7	WAN-GWC-22	Total Recoverable	Water	6020B	764059
680-230703-9	WAN-GWC-10	Total Recoverable	Water	6020B	764059
680-230703-10	WAN-GWC-12	Total Recoverable	Water	6020B	764059
680-230703-13	WAN-GWC-8	Total Recoverable	Water	6020B	764059
680-230703-14	WAN-GWC-9	Total Recoverable	Water	6020B	764059
MB 680-764059/1-A	Method Blank	Total Recoverable	Water	6020B	764059
LCS 680-764059/2-A	Lab Control Sample	Total Recoverable	Water	6020B	764059
680-230722-H-3-B MS	Matrix Spike	Total Recoverable	Water	6020B	764059
680-230722-H-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	764059

### Analysis Batch: 764406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-1	WAN-GWA-29	Total Recoverable	Water	6020B	764105
680-230703-8	WAN-GWC-30	Total Recoverable	Water	6020B	764105
680-230703-12	WAN-GWC-32	Total Recoverable	Water	6020B	764105
MB 680-764105/1-A	Method Blank	Total Recoverable	Water	6020B	764105
LCS 680-764105/2-A	Lab Control Sample	Total Recoverable	Water	6020B	764105
680-230703-8 MS	WAN-GWC-30	Total Recoverable	Water	6020B	764105
680-230703-8 MSD	WAN-GWC-30	Total Recoverable	Water	6020B	764105

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# QC Association Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-2

## General Chemistry

### Analysis Batch: 764282

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-1	WAN-GWA-29	Total/NA	Water	2320B-2011	
680-230703-2	WAN-GWA-1	Total/NA	Water	2320B-2011	
680-230703-3	WAN-GWA-2	Total/NA	Water	2320B-2011	
680-230703-4	WAN-GWA-3	Total/NA	Water	2320B-2011	
680-230703-5	WAN-GWA-4	Total/NA	Water	2320B-2011	
MB 680-764282/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 680-764282/6	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-764282/31	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
680-230623-C-1 DU	Duplicate	Total/NA	Water	2320B-2011	

### Analysis Batch: 764461

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-6	WAN-GWA-28	Total/NA	Water	2320B-2011	
680-230703-7	WAN-GWC-22	Total/NA	Water	2320B-2011	
680-230703-9	WAN-GWC-10	Total/NA	Water	2320B-2011	
680-230703-10	WAN-GWC-12	Total/NA	Water	2320B-2011	
680-230703-12	WAN-GWC-32	Total/NA	Water	2320B-2011	
680-230703-13	WAN-GWC-8	Total/NA	Water	2320B-2011	
680-230703-14	WAN-GWC-9	Total/NA	Water	2320B-2011	
MB 680-764461/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 680-764461/6	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-764461/31	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
680-230703-6 DU	WAN-GWA-28	Total/NA	Water	2320B-2011	

### Analysis Batch: 764465

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-8	WAN-GWC-30	Total/NA	Water	2320B-2011	
MB 680-764465/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 680-764465/6	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-764465/31	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
680-230724-B-16 DU	Duplicate	Total/NA	Water	2320B-2011	

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-2

## Client Sample ID: WAN-GWA-29

## Lab Sample ID: 680-230703-1

Date Collected: 02/13/23 16:44

Matrix: Water

Date Received: 02/17/23 07:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	764105	02/20/23 11:24	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764406	02/21/23 11:50	BWR	EET SAV
		Instrument ID: ICPMSC								
Total/NA	Analysis	2320B-2011		1			764282	02/20/23 18:09	PG	EET SAV
		Instrument ID: MANTECH 2								

## Client Sample ID: WAN-GWA-1

## Lab Sample ID: 680-230703-2

Date Collected: 02/14/23 14:15

Matrix: Water

Date Received: 02/17/23 07:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	764059	02/20/23 09:23	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764211	02/20/23 17:29	BWR	EET SAV
		Instrument ID: ICPMSC								
Total/NA	Analysis	2320B-2011		1			764282	02/20/23 18:00	PG	EET SAV
		Instrument ID: MANTECH 2								

## Client Sample ID: WAN-GWA-2

## Lab Sample ID: 680-230703-3

Date Collected: 02/14/23 13:00

Matrix: Water

Date Received: 02/17/23 07:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	764059	02/20/23 09:23	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764211	02/20/23 17:54	BWR	EET SAV
		Instrument ID: ICPMSC								
Total/NA	Analysis	2320B-2011		1			764282	02/20/23 18:16	PG	EET SAV
		Instrument ID: MANTECH 2								

## Client Sample ID: WAN-GWA-3

## Lab Sample ID: 680-230703-4

Date Collected: 02/14/23 11:47

Matrix: Water

Date Received: 02/17/23 07:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	764059	02/20/23 09:23	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764211	02/20/23 17:09	BWR	EET SAV
		Instrument ID: ICPMSC								
Total/NA	Analysis	2320B-2011		1			764282	02/20/23 18:25	PG	EET SAV
		Instrument ID: MANTECH 2								

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-2

## Client Sample ID: WAN-GWA-4

## Lab Sample ID: 680-230703-5

Date Collected: 02/14/23 13:05

Matrix: Water

Date Received: 02/17/23 07:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	764059	02/20/23 09:23	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764211	02/20/23 17:17	BWR	EET SAV
		Instrument ID: ICPMSC								
Total/NA	Analysis	2320B-2011		1			764282	02/20/23 18:34	PG	EET SAV
		Instrument ID: MANTECH 2								

## Client Sample ID: WAN-GWA-28

## Lab Sample ID: 680-230703-6

Date Collected: 02/14/23 14:05

Matrix: Water

Date Received: 02/17/23 07:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	764059	02/20/23 09:23	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764211	02/20/23 17:25	BWR	EET SAV
		Instrument ID: ICPMSC								
Total/NA	Analysis	2320B-2011		1			764461	02/21/23 17:25	PG	EET SAV
		Instrument ID: MANTECH 2								

## Client Sample ID: WAN-GWC-22

## Lab Sample ID: 680-230703-7

Date Collected: 02/14/23 16:45

Matrix: Water

Date Received: 02/17/23 07:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	764059	02/20/23 09:23	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764211	02/20/23 17:42	BWR	EET SAV
		Instrument ID: ICPMSC								
Total/NA	Analysis	2320B-2011		1			764461	02/21/23 18:00	PG	EET SAV
		Instrument ID: MANTECH 2								

## Client Sample ID: WAN-GWC-30

## Lab Sample ID: 680-230703-8

Date Collected: 02/14/23 16:05

Matrix: Water

Date Received: 02/17/23 07:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	764105	02/20/23 11:24	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764406	02/21/23 11:29	BWR	EET SAV
		Instrument ID: ICPMSC								
Total/NA	Analysis	2320B-2011		1			764465	02/22/23 00:19	PG	EET SAV
		Instrument ID: MANTECH 2								

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-2

## Client Sample ID: WAN-GWC-10

## Lab Sample ID: 680-230703-9

Date Collected: 02/15/23 09:25

Matrix: Water

Date Received: 02/17/23 07:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	764059	02/20/23 09:23	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764211	02/20/23 17:50	BWR	EET SAV
		Instrument ID: ICPMSC								
Total/NA	Analysis	2320B-2011		1			764461	02/21/23 18:16	PG	EET SAV
		Instrument ID: MANTECH 2								

## Client Sample ID: WAN-GWC-12

## Lab Sample ID: 680-230703-10

Date Collected: 02/15/23 11:35

Matrix: Water

Date Received: 02/17/23 07:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	764059	02/20/23 09:23	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764211	02/20/23 17:13	BWR	EET SAV
		Instrument ID: ICPMSC								
Total/NA	Analysis	2320B-2011		1			764461	02/21/23 18:09	PG	EET SAV
		Instrument ID: MANTECH 2								

## Client Sample ID: WAN-GWC-32

## Lab Sample ID: 680-230703-12

Date Collected: 02/15/23 11:08

Matrix: Water

Date Received: 02/17/23 07:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	764105	02/20/23 11:24	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764406	02/21/23 11:46	BWR	EET SAV
		Instrument ID: ICPMSC								
Total/NA	Analysis	2320B-2011		1			764461	02/21/23 18:25	PG	EET SAV
		Instrument ID: MANTECH 2								

## Client Sample ID: WAN-GWC-8

## Lab Sample ID: 680-230703-13

Date Collected: 02/15/23 14:55

Matrix: Water

Date Received: 02/17/23 07:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	764059	02/20/23 09:23	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764211	02/20/23 17:21	BWR	EET SAV
		Instrument ID: ICPMSC								
Total/NA	Analysis	2320B-2011		1			764461	02/21/23 19:05	PG	EET SAV
		Instrument ID: MANTECH 2								

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-2

**Client Sample ID: WAN-GWC-9**

**Lab Sample ID: 680-230703-14**

**Date Collected: 02/15/23 16:35**

**Matrix: Water**

**Date Received: 02/17/23 07:47**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total Recoverable	Prep	3005A			25 mL	125 mL	764059	02/20/23 09:23	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764211	02/20/23 17:46	BWR	EET SAV
		Instrument ID: ICPMSC								
Total/NA	Analysis	2320B-2011		1			764461	02/21/23 17:53	PG	EET SAV
		Instrument ID: MANTECH 2								

**Laboratory References:**

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





# Accreditation/Certification Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-2

## Laboratory: Eurofins Savannah

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

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

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# Method Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-2

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

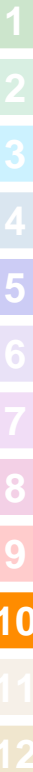
**Protocol References:**

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

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

**Laboratory References:**

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



### Chain of Custody Record

<b>Client Information</b> Client Contact: <u>1. Johnson, D. Johnson</u> SCS Contacts: <u>770-594-5998</u> Company: <u>ACC</u> Lab. PM: <u>Fuller, David</u> E-Mail: <u>david.fuller@et.eurofinsus.com</u>		Carrier Tracking No(s): COC No:	
Due Date Requested: TAT Requested (days):		Analysis Requested	
Lab Project #: <u>68027763</u> PO #:		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 Other:	
Project #:		Task Code: WAN-CSURF-ASSMT-2023S1	
SSOV#:		Special Instructions/Note: ALK + 3 Cations (Report Separately)	
Sample Date (mm/dd/yy)		Total Number of Containers	
Sample Time (hhmm)		Total Carbonate Bicarbonate Alkalinity	
Sample Type (C=Comp, G=grab)		Cations Mg Na K	
Preservation Code		Perform MS/MSD (Yes or No)	
Matrix (WG=ground water, WS=surface water, WQ=quality control)		Field Filtered Sample (Yes or No)	
Sample Identification		Task Code	
WAN-GWA-29		WAN-CSURF-ASSMT-2023S1	
WAN-GWA-1		Special Instructions/Note	
WAN-GWA-2		ALK + 3 Cations (Report Separately)	
WAN-GWA-3		Total Number of Containers	
WAN-GWA-4		Total Carbonate Bicarbonate Alkalinity	
WAN-GWA-28		Perform MS/MSD (Yes or No)	
WAN-GWC-22		Field Filtered Sample (Yes or No)	
WAN-GWC-30		Preservation Code	
WAN-GWC-10		Matrix (WG=ground water, WS=surface water, WQ=quality control)	
WAN-GWC-12		Sample Type (C=Comp, G=grab)	
WAN-GWC-32		Sample Date (mm/dd/yy)	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Deliverable Requested I II III IV Other (specify)		Special Instructions/QC Requirements. Additional Cations magnesium sodium, potassium	
Empty Kit Relinquished by:		Method of Shipment:	
Relinquished by: <u>David Johnson</u>		Date/Time: <u>2/16/23 / 07:47</u>	
Relinquished by: <u>David Johnson</u>		Date/Time: <u>2/16/23 / 07:44</u>	
Relinquished by: <u>David Johnson</u>		Date/Time: <u>02-17-23</u>	
Relinquished by: <u>David Johnson</u>		Date/Time: <u>11:47</u>	
Custody Seals Intact: <u>Yes</u>		Cooler Temperature(s) °C and Other Remarks: <u>5.3 - 8.3</u>	



# Chain of Custody Record

<b>Client Information</b> Client Contact: <i>David Johnson</i> SCS Contacts: <i>770-594-5998</i>		Lab PM: <i>Fuller David</i> E-Mail: <i>david.fuller@et.eurofins.com</i>		Carrier Tracking No(s): COC No.: Page: <i>2 of 2</i>	
Company: <i>GA Power</i> Address: <i>241 Ralph McGill Blvd SE</i> City: <i>Atlanta</i> State, Zip: <i>GA, 30308</i> Phone: <i>404-506-7116(Tel)</i> Email: <i>68027763</i>		Due Date Requested: TAT Requested (days): Lab Project #: <i>68027763</i> PO #: Project #: SSOV#:		Analysis Requested Total Number of Containers:	
SCS Contacts / ACC Contacts Project Name: <i>Plant Wansley Landfill</i> Site:		Field Filtered Sample (Yes or No) <input checked="" type="checkbox"/> Perform MS/MSD (Yes or No) <input checked="" type="checkbox"/> Cations Mg Na K <input checked="" type="checkbox"/> Total Carbonate Bicarbonate Alkalinity <input checked="" type="checkbox"/>		Preservation Codes A - HCL B - NaOH N - None O - AsNaO2 C - Zn Acetate D - Nitric Acid E - NaHSO4 F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other:	
Sample Identification Sample Date (mm/dd/yy) Sample Time (hhmm) Sample Type (C=comp, G=grab) Mark (If ground water, W=quality control)		Preservation Code G G G G G G G G G G G		Task Code: <i>WAN-CSURF-ASSMT-2023S1</i> Special Instructions/Note: <i>ALK + 3 Cations (Report Separately)</i>	
WAN-GWC-8 WAN-GWC-9 WAN- WAN- WAN- WAN- WAN- WAN- WAN- WAN- WAN-		02/15/23 1455 02/15/23 1635            		Total Number of Containers: <i>2</i> Total Number of Containers: <i>2</i>	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological					
Deliverable Requested I, II, III, IV Other (specify)					
Empty Kit Relinquished by:					
Relinquished by: <i>David Johnson</i> Relinquished by: <i>David Johnson</i> Relinquished by:		Date/Time: <i>2/16/23 / 0747</i> Date/Time: <i>2/16/23</i> Date/Time:		Received by: <i>David Johnson</i> Received by: <i>David Johnson</i> Received by:	
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: <i>3.5 - 3.5</i>	



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-230703-2

**Login Number: 230703**

**List Source: Eurofins Savannah**

**List Number: 1**

**Creator: Harley, Tynisha**

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

# ANALYTICAL REPORT

## PREPARED FOR

Attn: Robert (Trey) Singleton  
Southern Company  
3535 Colonnade Parkway  
Bin S 530 EC  
Birmingham, Alabama 35243

Generated 2/28/2023 11:49:20 AM

## JOB DESCRIPTION

Plant Wansley Landfill

## JOB NUMBER

680-230803-2

# Eurofins Savannah

## Job Notes

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

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

## Authorization



Generated  
2/28/2023 11:49:20 AM

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

# Definitions/Glossary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-2

## Qualifiers

### Metals

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
J	Result is less than the RL but greater than or equal to the MDL and the concentration is an approximate value.

## Glossary

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



# Sample Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-2

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-230803-1	WAN-GWC-24	Water	02/16/23 11:19	02/18/23 06:30
680-230803-3	WAN-GWC-14	Water	02/17/23 10:48	02/18/23 06:30

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# Case Narrative

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-2

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**Job ID: 680-230803-2**

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**Laboratory: Eurofins Savannah**

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**Narrative**

**Job Narrative  
680-230803-2**

**Receipt**

The samples were received on 2/18/2023 6:30 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 4.3°C

**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.

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-2

**Client Sample ID: WAN-GWC-24**

**Lab Sample ID: 680-230803-1**

Date Collected: 02/16/23 11:19

Matrix: Water

Date Received: 02/18/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	0.48	J	0.50	0.023	mg/L		02/21/23 09:52	02/22/23 18:59	1
Potassium	0.67		0.50	0.044	mg/L		02/21/23 09:52	02/22/23 18:59	1
Sodium	4.9		0.50	0.20	mg/L		02/21/23 09:52	02/22/23 18:59	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/22/23 16:28	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/22/23 16:28	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/22/23 16:28	1

**Client Sample ID: WAN-GWC-14**

**Lab Sample ID: 680-230803-3**

Date Collected: 02/17/23 10:48

Matrix: Water

Date Received: 02/18/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	22		0.50	0.023	mg/L		02/21/23 09:52	02/22/23 18:55	1
Potassium	3.9		0.50	0.044	mg/L		02/21/23 09:52	02/22/23 18:55	1
Sodium	4.3		0.50	0.20	mg/L		02/21/23 09:52	02/22/23 18:55	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	110		5.0	5.0	mg/L			02/22/23 16:22	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	110		5.0	5.0	mg/L			02/22/23 16:22	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/22/23 16:22	1

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-2

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

**Lab Sample ID: MB 680-764270/1-A**  
**Matrix: Water**  
**Analysis Batch: 764596**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764270**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Magnesium	<0.023		0.50	0.023	mg/L		02/21/23 09:52	02/22/23 18:23	1
Potassium	<0.044		0.50	0.044	mg/L		02/21/23 09:52	02/22/23 18:23	1
Sodium	<0.20		0.50	0.20	mg/L		02/21/23 09:52	02/22/23 18:23	1

**Lab Sample ID: LCS 680-764270/2-A**  
**Matrix: Water**  
**Analysis Batch: 764596**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764270**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Potassium	6.97	6.98		mg/L		100	80 - 120
Sodium	5.05	5.26		mg/L		104	80 - 120

**Lab Sample ID: 680-230804-E-2-B MS**  
**Matrix: Water**  
**Analysis Batch: 764596**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764270**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Potassium	33		6.97	38.6	4	mg/L		74	75 - 125
Sodium	28		5.05	31.7	4	mg/L		76	75 - 125

**Lab Sample ID: 680-230804-E-2-C MSD**  
**Matrix: Water**  
**Analysis Batch: 764596**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764270**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Potassium	33		6.97	40.3	4	mg/L		98	75 - 125	4	20
Sodium	28		5.05	33.1	4	mg/L		103	75 - 125	4	20

## Method: 2320B-2011 - Alkalinity, Total

**Lab Sample ID: MB 680-764663/4**  
**Matrix: Water**  
**Analysis Batch: 764663**

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/22/23 15:05	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/22/23 15:05	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/22/23 15:05	1

**Lab Sample ID: LCS 680-764663/6**  
**Matrix: Water**  
**Analysis Batch: 764663**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits

# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Wansley Landfill

Job ID: 680-230803-2

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

**Lab Sample ID: LCSD 680-764663/31**  
**Matrix: Water**  
**Analysis Batch: 764663**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Alkalinity as CaCO3	250	255		mg/L		102	90 - 112	1	30

**Lab Sample ID: 680-230827-A-3 DU**  
**Matrix: Water**  
**Analysis Batch: 764663**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3	17		15.9		mg/L		6	30
Bicarbonate Alkalinity as CaCO3	17		15.9		mg/L		6	30
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	30



# QC Association Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-2

## Metals

### Prep Batch: 764270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230803-1	WAN-GWC-24	Total Recoverable	Water	3005A	
680-230803-3	WAN-GWC-14	Total Recoverable	Water	3005A	
MB 680-764270/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-764270/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-230804-E-2-B MS	Matrix Spike	Total Recoverable	Water	3005A	
680-230804-E-2-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Analysis Batch: 764596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230803-1	WAN-GWC-24	Total Recoverable	Water	6020B	764270
680-230803-3	WAN-GWC-14	Total Recoverable	Water	6020B	764270
MB 680-764270/1-A	Method Blank	Total Recoverable	Water	6020B	764270
LCS 680-764270/2-A	Lab Control Sample	Total Recoverable	Water	6020B	764270
680-230804-E-2-B MS	Matrix Spike	Total Recoverable	Water	6020B	764270
680-230804-E-2-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	764270

## General Chemistry

### Analysis Batch: 764663

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230803-1	WAN-GWC-24	Total/NA	Water	2320B-2011	
680-230803-3	WAN-GWC-14	Total/NA	Water	2320B-2011	
MB 680-764663/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 680-764663/6	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-764663/31	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
680-230827-A-3 DU	Duplicate	Total/NA	Water	2320B-2011	

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-2

## Client Sample ID: WAN-GWC-24

## Lab Sample ID: 680-230803-1

Date Collected: 02/16/23 11:19

Matrix: Water

Date Received: 02/18/23 06:30

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	125 mL	764270	02/21/23 09:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764596	02/22/23 18:59	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Analysis	2320B-2011		1			764663	02/22/23 16:28	PG	EET SAV
Instrument ID: MANTECH 2										

## Client Sample ID: WAN-GWC-14

## Lab Sample ID: 680-230803-3

Date Collected: 02/17/23 10:48

Matrix: Water

Date Received: 02/18/23 06:30

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	125 mL	764270	02/21/23 09:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764596	02/22/23 18:55	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Analysis	2320B-2011		1			764663	02/22/23 16:22	PG	EET SAV
Instrument ID: MANTECH 2										

**Laboratory References:**

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

# Accreditation/Certification Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-2

## Laboratory: Eurofins Savannah

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

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

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# Method Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-2

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

**Protocol References:**

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

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

**Laboratory References:**

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

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<b>Client Information</b> Client Contact: GA Power SCS Contacts: 241 Ralph McGill Blvd SE City: Atlanta State, Zip: GA, 30308 Phone: 404-506-7116(Tel) Email: [Redacted] Project Name: Plant Wansley Landfill Site: [Redacted]		Sampler: D. [Redacted] Lab PM: Fuller, David Phone: 770-594-5948 E-Mail: david.fuller@et.eurofinsus.com		Carrier Tracking No(s): Page: 1 of 1 Job #:			
Due Date Requested: TAT Requested (days): Standby Lab Project #: 68027763 PO #: [Redacted] Project #: [Redacted] SSOW#: [Redacted]		Analysis Requested					
Sample Identification WAN-GWC-24 WAN-GWC-14 WAN- WAN- WAN- WAN- WAN- WAN- WAN- WAN- WAN- WAN-		Sample Date (mm/dd/yy) 02/16/23 02/17/23 [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted]		Sample Time (hhmm) 1119 1048 [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted]		Sample Type (C=Comp, G=grab) G G G G G G G G G G G G G	
Matrix (PC=ground water, W=surface water, WC=quality control) Preservation Code: G G G G G G G G G G G G		Field Filtered Sample (Yes or No) X N N N N N N N N N N N N		Perform MS/MSD (Yes or No) X N N N N N N N N N N N N			
Total Carbonate Bicarbonate Alkalinity Cations Mg Na K D I [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted]		Total Number of containers X Z Z [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted]		Task Code WAN-CSURF-ASSMT-2023S1 Special Instructions/Note ALK + 3 Cations (Report Separately). [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted] [Redacted]			
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 Other M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - HZSO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements Additional Cations, magnesium, sodium, potassium					
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested I, II, III, IV Other (specify)		Empty Kit Relinquished by: [Redacted] Date: [Redacted]					
Relinquished by: [Redacted] Date/Time: 2/17/23 14:27 Relinquished by: [Redacted] Date/Time: 2/17/23 14:27 Relinquished by: [Redacted] Date/Time: 2/18/23		Relinquished by: [Redacted] Date/Time: 2/17/23 14:27 Relinquished by: [Redacted] Date/Time: 2/18/23 Relinquished by: [Redacted] Date/Time: 2/18/23		Relinquished by: [Redacted] Date/Time: 2/17/23 14:27 Relinquished by: [Redacted] Date/Time: 2/18/23 Relinquished by: [Redacted] Date/Time: 2/18/23			
Custody Seals Intact: [Redacted] Δ Yes Δ No		Cooler Temperature(s) °C and Other Remarks: 4.3/4.3		Ver 01/16/2019			



## Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-230803-2

**Login Number: 230803**

**List Number: 1**

**Creator: Johnson, Corey M**

**List Source: Eurofins Savannah**

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

 **ANALYTICAL REPORT****PREPARED FOR**

Attn: Robert (Trey) Singleton  
Southern Company  
3535 Colonnade Parkway  
Bin S 530 EC  
Birmingham, Alabama 35243

Generated 3/5/2023 12:04:30 PM

**JOB DESCRIPTION**

Plant Wansley Landfill

**JOB NUMBER**

680-230973-2

# Eurofins Savannah

## Job Notes

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

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

## Authorization



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

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# Definitions/Glossary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-2

## Qualifiers

### Metals

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

## Glossary

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

# Sample Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-230973-1	WAN-GWC-5	Water	02/20/23 10:15	02/23/23 06:30
680-230973-2	WAN-GWC-6	Water	02/20/23 11:30	02/23/23 06:30
680-230973-3	WAN-GWC-16	Water	02/20/23 15:12	02/23/23 06:30
680-230973-4	WAN-GWC-17	Water	02/20/23 16:10	02/23/23 06:30
680-230973-5	WAN-GWC-27	Water	02/20/23 12:40	02/23/23 06:30
680-230973-6	WAN-GWC-33	Water	02/20/23 12:08	02/23/23 06:30
680-230973-7	WAN-GWC-34	Water	02/20/23 13:37	02/23/23 06:30
680-230973-8	WAN-GWC-35	Water	02/20/23 14:10	02/23/23 06:30
680-230973-9	WAN-GWC-18	Water	02/20/23 16:18	02/23/23 06:30
680-230973-12	WAN-GWC-7	Water	02/21/23 14:16	02/23/23 06:30
680-230973-13	WAN-GWC-11	Water	02/21/23 14:55	02/23/23 06:30
680-230973-14	WAN-GWC-13	Water	02/21/23 16:35	02/23/23 06:30
680-230973-15	WAN-GWC-15	Water	02/21/23 09:44	02/23/23 06:30
680-230973-16	WAN-GWC-19	Water	02/21/23 15:33	02/23/23 06:30
680-230973-17	WAN-GWC-21	Water	02/21/23 16:50	02/23/23 06:30
680-230973-18	WAN-GWC-23	Water	02/21/23 13:05	02/23/23 06:30
680-230973-19	WAN-GWC-25	Water	02/21/23 12:08	02/23/23 06:30
680-230973-20	WAN-GWC-26	Water	02/21/23 11:45	02/23/23 06:30
680-230973-23	WAN-GWC-31	Water	02/22/23 09:41	02/23/23 06:30
680-230973-24	WAN-GWC-20	Water	02/22/23 11:05	02/23/23 06:30

# Case Narrative

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-2

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**Job ID: 680-230973-2**

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**Laboratory: Eurofins Savannah**

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**Narrative**

**Job Narrative  
680-230973-2**

**Receipt**

The samples were received on 2/23/2023 6:30 AM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperatures of the 3 coolers at receipt time were 1.6°C, 2.0°C and 5.5°C

**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.

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-2

## Client Sample ID: WAN-GWC-5

Lab Sample ID: 680-230973-1

Date Collected: 02/20/23 10:15

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	15	F1	0.50	0.023	mg/L		02/23/23 12:38	02/24/23 21:14	1
Potassium	1.2		0.50	0.044	mg/L		02/23/23 12:38	02/24/23 21:14	1
Sodium	11	F1	0.50	0.20	mg/L		02/23/23 12:38	02/24/23 21:14	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	120		5.0	5.0	mg/L			02/27/23 19:27	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	120		5.0	5.0	mg/L			02/27/23 19:27	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/27/23 19:27	1

## Client Sample ID: WAN-GWC-6

Lab Sample ID: 680-230973-2

Date Collected: 02/20/23 11:30

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	11		0.50	0.023	mg/L		02/23/23 12:38	02/24/23 21:26	1
Potassium	1.5		0.50	0.044	mg/L		02/23/23 12:38	02/24/23 21:26	1
Sodium	8.5		0.50	0.20	mg/L		02/23/23 12:38	02/24/23 21:26	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	83		5.0	5.0	mg/L			02/27/23 20:05	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	83		5.0	5.0	mg/L			02/27/23 20:05	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/27/23 20:05	1

## Client Sample ID: WAN-GWC-16

Lab Sample ID: 680-230973-3

Date Collected: 02/20/23 15:12

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	3.8		0.50	0.023	mg/L		02/23/23 12:38	02/24/23 21:30	1
Potassium	0.79		0.50	0.044	mg/L		02/23/23 12:38	02/24/23 21:30	1
Sodium	9.0		0.50	0.20	mg/L		02/23/23 12:38	02/24/23 21:30	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	54		5.0	5.0	mg/L			02/27/23 21:26	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	54		5.0	5.0	mg/L			02/27/23 21:26	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/27/23 21:26	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-2

## Client Sample ID: WAN-GWC-17

Lab Sample ID: 680-230973-4

Date Collected: 02/20/23 16:10

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	5.8		0.50	0.023	mg/L		02/23/23 12:38	02/24/23 21:34	1
Potassium	1.3		0.50	0.044	mg/L		02/23/23 12:38	02/24/23 21:34	1
Sodium	13		0.50	0.20	mg/L		02/23/23 12:38	02/24/23 21:34	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	73		5.0	5.0	mg/L			02/27/23 19:18	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	73		5.0	5.0	mg/L			02/27/23 19:18	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/27/23 19:18	1

## Client Sample ID: WAN-GWC-27

Lab Sample ID: 680-230973-5

Date Collected: 02/20/23 12:40

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	0.37	J	0.50	0.023	mg/L		02/23/23 12:38	02/24/23 21:38	1
Potassium	4.0		0.50	0.044	mg/L		02/23/23 12:38	02/24/23 21:38	1
Sodium	2.6		0.50	0.20	mg/L		02/23/23 12:38	02/24/23 21:38	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	15		5.0	5.0	mg/L			02/28/23 04:08	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	15		5.0	5.0	mg/L			02/28/23 04:08	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/28/23 04:08	1

## Client Sample ID: WAN-GWC-33

Lab Sample ID: 680-230973-6

Date Collected: 02/20/23 12:08

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	2.1		0.50	0.023	mg/L		02/23/23 12:38	02/24/23 21:42	1
Potassium	2.8		0.50	0.044	mg/L		02/23/23 12:38	02/24/23 21:42	1
Sodium	9.7		0.50	0.20	mg/L		02/23/23 12:38	02/24/23 21:42	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	52		5.0	5.0	mg/L			02/27/23 21:34	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	52		5.0	5.0	mg/L			02/27/23 21:34	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/27/23 21:34	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-2

## Client Sample ID: WAN-GWC-34

## Lab Sample ID: 680-230973-7

Date Collected: 02/20/23 13:37

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	1.6		0.50	0.023	mg/L		02/23/23 12:38	02/24/23 21:54	1
Potassium	2.1		0.50	0.044	mg/L		02/23/23 12:38	02/24/23 21:54	1
Sodium	5.2		0.50	0.20	mg/L		02/23/23 12:38	02/24/23 21:54	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	24		5.0	5.0	mg/L			02/27/23 19:55	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	24		5.0	5.0	mg/L			02/27/23 19:55	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/27/23 19:55	1

## Client Sample ID: WAN-GWC-35

## Lab Sample ID: 680-230973-8

Date Collected: 02/20/23 14:10

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	2.8		0.50	0.023	mg/L		02/23/23 12:38	02/24/23 21:58	1
Potassium	2.0		0.50	0.044	mg/L		02/23/23 12:38	02/24/23 21:58	1
Sodium	4.1		0.50	0.20	mg/L		02/23/23 12:38	02/24/23 21:58	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	13		5.0	5.0	mg/L			02/27/23 21:42	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	13		5.0	5.0	mg/L			02/27/23 21:42	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/27/23 21:42	1

## Client Sample ID: WAN-GWC-18

## Lab Sample ID: 680-230973-9

Date Collected: 02/20/23 16:18

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	3.5		0.50	0.023	mg/L		02/23/23 12:38	02/24/23 22:02	1
Potassium	1.2		0.50	0.044	mg/L		02/23/23 12:38	02/24/23 22:02	1
Sodium	9.8		0.50	0.20	mg/L		02/23/23 12:38	02/24/23 22:02	1

### General Chemistry

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	57		5.0	5.0	mg/L			02/27/23 19:47	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	57		5.0	5.0	mg/L			02/27/23 19:47	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/27/23 19:47	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-2

**Client Sample ID: WAN-GWC-7**

**Lab Sample ID: 680-230973-12**

Date Collected: 02/21/23 14:16

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	44		0.50	0.023	mg/L		02/23/23 12:38	02/24/23 22:15	1
Potassium	1.1		0.50	0.044	mg/L		02/23/23 12:38	02/24/23 22:15	1
Sodium	36		0.50	0.20	mg/L		02/23/23 12:38	02/24/23 22:15	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	270		5.0	5.0	mg/L			02/27/23 19:38	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	270		5.0	5.0	mg/L			02/27/23 19:38	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/27/23 19:38	1

**Client Sample ID: WAN-GWC-11**

**Lab Sample ID: 680-230973-13**

Date Collected: 02/21/23 14:55

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	1.5		0.50	0.023	mg/L		02/23/23 12:38	02/24/23 22:19	1
Potassium	1.8		0.50	0.044	mg/L		02/23/23 12:38	02/24/23 22:19	1
Sodium	1.1		0.50	0.20	mg/L		02/23/23 12:38	02/24/23 22:19	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	40		5.0	5.0	mg/L			02/27/23 21:58	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	40		5.0	5.0	mg/L			02/27/23 21:58	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/27/23 21:58	1

**Client Sample ID: WAN-GWC-13**

**Lab Sample ID: 680-230973-14**

Date Collected: 02/21/23 16:35

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	1.8		0.50	0.023	mg/L		02/23/23 12:38	02/24/23 22:23	1
Potassium	1.9		0.50	0.044	mg/L		02/23/23 12:38	02/24/23 22:23	1
Sodium	7.6		0.50	0.20	mg/L		02/23/23 12:38	02/24/23 22:23	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	31		5.0	5.0	mg/L			02/27/23 21:50	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	31		5.0	5.0	mg/L			02/27/23 21:50	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/27/23 21:50	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-2

**Client Sample ID: WAN-GWC-15**

**Lab Sample ID: 680-230973-15**

Date Collected: 02/21/23 09:44

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	2.8		0.50	0.023	mg/L		02/23/23 12:38	02/24/23 22:27	1
Potassium	2.2		0.50	0.044	mg/L		02/23/23 12:38	02/24/23 22:27	1
Sodium	10		0.50	0.20	mg/L		02/23/23 12:38	02/24/23 22:27	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	49		5.0	5.0	mg/L			02/27/23 21:00	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	49		5.0	5.0	mg/L			02/27/23 21:00	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/27/23 21:00	1

**Client Sample ID: WAN-GWC-19**

**Lab Sample ID: 680-230973-16**

Date Collected: 02/21/23 15:33

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	4.0		0.50	0.023	mg/L		02/23/23 12:38	02/24/23 22:31	1
Potassium	1.1		0.50	0.044	mg/L		02/23/23 12:38	02/24/23 22:31	1
Sodium	4.0		0.50	0.20	mg/L		02/23/23 12:38	02/24/23 22:31	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	47		5.0	5.0	mg/L			02/27/23 22:25	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	47		5.0	5.0	mg/L			02/27/23 22:25	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/27/23 22:25	1

**Client Sample ID: WAN-GWC-21**

**Lab Sample ID: 680-230973-17**

Date Collected: 02/21/23 16:50

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	1.7		0.50	0.023	mg/L		02/23/23 12:38	02/24/23 22:43	1
Potassium	0.53		0.50	0.044	mg/L		02/23/23 12:38	02/24/23 22:43	1
Sodium	4.8		0.50	0.20	mg/L		02/23/23 12:38	02/24/23 22:43	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	31		5.0	5.0	mg/L			02/27/23 20:30	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	31		5.0	5.0	mg/L			02/27/23 20:30	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/27/23 20:30	1

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-2

**Client Sample ID: WAN-GWC-23**

**Lab Sample ID: 680-230973-18**

Date Collected: 02/21/23 13:05

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	1.6		0.50	0.023	mg/L		02/23/23 12:38	02/24/23 22:47	1
Potassium	1.5		0.50	0.044	mg/L		02/23/23 12:38	02/24/23 22:47	1
Sodium	4.5		0.50	0.20	mg/L		02/23/23 12:38	02/24/23 22:47	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	25		5.0	5.0	mg/L			02/27/23 20:22	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	25		5.0	5.0	mg/L			02/27/23 20:22	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/27/23 20:22	1

**Client Sample ID: WAN-GWC-25**

**Lab Sample ID: 680-230973-19**

Date Collected: 02/21/23 12:08

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	4.0		0.50	0.023	mg/L		02/23/23 12:38	02/24/23 22:51	1
Potassium	2.3		0.50	0.044	mg/L		02/23/23 12:38	02/24/23 22:51	1
Sodium	5.3		0.50	0.20	mg/L		02/23/23 12:38	02/24/23 22:51	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	26		5.0	5.0	mg/L			02/27/23 20:13	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	26		5.0	5.0	mg/L			02/27/23 20:13	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/27/23 20:13	1

**Client Sample ID: WAN-GWC-26**

**Lab Sample ID: 680-230973-20**

Date Collected: 02/21/23 11:45

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	1.9		0.50	0.023	mg/L		02/23/23 12:38	02/24/23 22:55	1
Potassium	2.2		0.50	0.044	mg/L		02/23/23 12:38	02/24/23 22:55	1
Sodium	3.6		0.50	0.20	mg/L		02/23/23 12:38	02/24/23 22:55	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	16		5.0	5.0	mg/L			02/28/23 00:31	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	16		5.0	5.0	mg/L			02/28/23 00:31	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/28/23 00:31	1

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# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Wansley Landfill

Job ID: 680-230973-2

**Client Sample ID: WAN-GWC-31**

**Lab Sample ID: 680-230973-23**

Date Collected: 02/22/23 09:41

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	1.9		0.50	0.023	mg/L		02/23/23 12:42	02/25/23 00:58	1
Potassium	1.4		0.50	0.044	mg/L		02/23/23 12:42	02/25/23 00:58	1
Sodium	10		0.50	0.20	mg/L		02/23/23 12:42	02/25/23 00:58	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	37		5.0	5.0	mg/L			02/27/23 22:16	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	37		5.0	5.0	mg/L			02/27/23 22:16	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/27/23 22:16	1

**Client Sample ID: WAN-GWC-20**

**Lab Sample ID: 680-230973-24**

Date Collected: 02/22/23 11:05

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	4.1		0.50	0.023	mg/L		02/23/23 12:42	02/25/23 01:02	1
Potassium	1.4		0.50	0.044	mg/L		02/23/23 12:42	02/25/23 01:02	1
Sodium	9.1		0.50	0.20	mg/L		02/23/23 12:42	02/25/23 01:02	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	60		5.0	5.0	mg/L			02/27/23 22:08	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	60		5.0	5.0	mg/L			02/27/23 22:08	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/27/23 22:08	1

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-2

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

**Lab Sample ID: MB 680-764699/1-A**  
**Matrix: Water**  
**Analysis Batch: 764981**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764699**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Magnesium	<0.023		0.50	0.023	mg/L		02/23/23 12:38	02/24/23 21:06	1
Potassium	<0.044		0.50	0.044	mg/L		02/23/23 12:38	02/24/23 21:06	1
Sodium	<0.20		0.50	0.20	mg/L		02/23/23 12:38	02/24/23 21:06	1

**Lab Sample ID: LCS 680-764699/2-A**  
**Matrix: Water**  
**Analysis Batch: 764981**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764699**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Potassium	6.97	7.10		mg/L		102	80 - 120
Sodium	5.05	5.18		mg/L		103	80 - 120

**Lab Sample ID: 680-230973-1 MS**  
**Matrix: Water**  
**Analysis Batch: 764981**

**Client Sample ID: WAN-GWC-5**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764699**

Analyte	Sample Sample		Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
	Result	Qualifier							
Magnesium	15	F1	5.01	20.8		mg/L		108	75 - 125
Potassium	1.2		6.97	8.31		mg/L		102	75 - 125
Sodium	11	F1	5.05	15.2		mg/L		93	75 - 125

**Lab Sample ID: 680-230973-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 764981**

**Client Sample ID: WAN-GWC-5**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764699**

Analyte	Sample Sample		Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	
	Result	Qualifier								RPD	Limit
Magnesium	15	F1	5.01	25.0	F1	mg/L		192	75 - 125	18	20
Potassium	1.2		6.97	9.57		mg/L		120	75 - 125	14	20
Sodium	11	F1	5.05	17.9	F1	mg/L		146	75 - 125	16	20

**Lab Sample ID: MB 680-764701/1-A**  
**Matrix: Water**  
**Analysis Batch: 764981**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764701**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Magnesium	<0.023		0.50	0.023	mg/L		02/23/23 12:42	02/25/23 00:09	1
Potassium	<0.044		0.50	0.044	mg/L		02/23/23 12:42	02/25/23 00:09	1
Sodium	<0.20		0.50	0.20	mg/L		02/23/23 12:42	02/25/23 00:09	1

**Lab Sample ID: LCS 680-764701/2-A**  
**Matrix: Water**  
**Analysis Batch: 764981**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764701**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Potassium	6.97	6.98		mg/L		100	80 - 120
Sodium	5.05	5.07		mg/L		101	80 - 120



# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-2

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

**Lab Sample ID: 680-230968-B-1-B MS**  
**Matrix: Water**  
**Analysis Batch: 764981**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764701**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	
	Result	Qualifier	Added	Result	Qualifier				Limits	
Magnesium	1.1		5.01	6.12		mg/L		101	75 - 125	
Potassium	1.5		6.97	8.46		mg/L		100	75 - 125	
Sodium	2.9		5.05	7.94		mg/L		99	75 - 125	

**Lab Sample ID: 680-230968-B-1-C MSD**  
**Matrix: Water**  
**Analysis Batch: 764981**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764701**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec		RPD	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD	Limit	
Magnesium	1.1		5.01	6.16		mg/L		101	75 - 125		1	20
Potassium	1.5		6.97	8.43		mg/L		99	75 - 125		0	20
Sodium	2.9		5.05	7.80		mg/L		96	75 - 125		2	20

## Method: 2320B-2011 - Alkalinity, Total

**Lab Sample ID: MB 680-765305/4**  
**Matrix: Water**  
**Analysis Batch: 765305**

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/27/23 18:33	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/27/23 18:33	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/27/23 18:33	1

**Lab Sample ID: LCS 680-765305/6**  
**Matrix: Water**  
**Analysis Batch: 765305**

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

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

**Lab Sample ID: LCSD 680-765305/31**  
**Matrix: Water**  
**Analysis Batch: 765305**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec		RPD	
							Limits	RPD	Limit	
Total Alkalinity as CaCO3	250	253		mg/L		101	90 - 112		2	30

**Lab Sample ID: 680-230973-15 DU**  
**Matrix: Water**  
**Analysis Batch: 765305**

**Client Sample ID: WAN-GWC-15**  
**Prep Type: Total/NA**

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	RPD	
	Result	Qualifier	Result	Qualifier				Limit	
Total Alkalinity as CaCO3	49		46.4		mg/L		6	30	
Bicarbonate Alkalinity as CaCO3	49		46.4		mg/L		6	30	
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	30	

# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Wansley Landfill

Job ID: 680-230973-2

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

**Lab Sample ID: MB 680-765310/4**  
**Matrix: Water**  
**Analysis Batch: 765310**

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

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/28/23 00:07	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/28/23 00:07	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/28/23 00:07	1

**Lab Sample ID: LCS 680-765310/6**  
**Matrix: Water**  
**Analysis Batch: 765310**

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

Analyte	Spike Added	LCS	LCS	Unit	D	%Rec	%Rec Limits	RPD
		Result	Qualifier					
Total Alkalinity as CaCO3	250	255		mg/L		102	90 - 112	

**Lab Sample ID: LCSD 680-765310/31**  
**Matrix: Water**  
**Analysis Batch: 765310**

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

Analyte	Spike Added	LCSD	LCSD	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
		Result	Qualifier						
Total Alkalinity as CaCO3	250	254		mg/L		102	90 - 112	0	30

**Lab Sample ID: 680-230973-20 DU**  
**Matrix: Water**  
**Analysis Batch: 765310**

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

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	RPD Limit
	Result	Qualifier	Result	Qualifier				
Total Alkalinity as CaCO3	16		14.6		mg/L		6	30
Bicarbonate Alkalinity as CaCO3	16		14.6		mg/L		6	30
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	30

# QC Association Summary

Client: Southern Company  
 Project/Site: Plant Wansley Landfill

Job ID: 680-230973-2

## Metals

### Prep Batch: 764699

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230973-1	WAN-GWC-5	Total Recoverable	Water	3005A	
680-230973-2	WAN-GWC-6	Total Recoverable	Water	3005A	
680-230973-3	WAN-GWC-16	Total Recoverable	Water	3005A	
680-230973-4	WAN-GWC-17	Total Recoverable	Water	3005A	
680-230973-5	WAN-GWC-27	Total Recoverable	Water	3005A	
680-230973-6	WAN-GWC-33	Total Recoverable	Water	3005A	
680-230973-7	WAN-GWC-34	Total Recoverable	Water	3005A	
680-230973-8	WAN-GWC-35	Total Recoverable	Water	3005A	
680-230973-9	WAN-GWC-18	Total Recoverable	Water	3005A	
680-230973-12	WAN-GWC-7	Total Recoverable	Water	3005A	
680-230973-13	WAN-GWC-11	Total Recoverable	Water	3005A	
680-230973-14	WAN-GWC-13	Total Recoverable	Water	3005A	
680-230973-15	WAN-GWC-15	Total Recoverable	Water	3005A	
680-230973-16	WAN-GWC-19	Total Recoverable	Water	3005A	
680-230973-17	WAN-GWC-21	Total Recoverable	Water	3005A	
680-230973-18	WAN-GWC-23	Total Recoverable	Water	3005A	
680-230973-19	WAN-GWC-25	Total Recoverable	Water	3005A	
680-230973-20	WAN-GWC-26	Total Recoverable	Water	3005A	
MB 680-764699/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-764699/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-230973-1 MS	WAN-GWC-5	Total Recoverable	Water	3005A	
680-230973-1 MSD	WAN-GWC-5	Total Recoverable	Water	3005A	

### Prep Batch: 764701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230973-23	WAN-GWC-31	Total Recoverable	Water	3005A	
680-230973-24	WAN-GWC-20	Total Recoverable	Water	3005A	
MB 680-764701/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-764701/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-230968-B-1-B MS	Matrix Spike	Total Recoverable	Water	3005A	
680-230968-B-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Analysis Batch: 764981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230973-1	WAN-GWC-5	Total Recoverable	Water	6020B	764699
680-230973-2	WAN-GWC-6	Total Recoverable	Water	6020B	764699
680-230973-3	WAN-GWC-16	Total Recoverable	Water	6020B	764699
680-230973-4	WAN-GWC-17	Total Recoverable	Water	6020B	764699
680-230973-5	WAN-GWC-27	Total Recoverable	Water	6020B	764699
680-230973-6	WAN-GWC-33	Total Recoverable	Water	6020B	764699
680-230973-7	WAN-GWC-34	Total Recoverable	Water	6020B	764699
680-230973-8	WAN-GWC-35	Total Recoverable	Water	6020B	764699
680-230973-9	WAN-GWC-18	Total Recoverable	Water	6020B	764699
680-230973-12	WAN-GWC-7	Total Recoverable	Water	6020B	764699
680-230973-13	WAN-GWC-11	Total Recoverable	Water	6020B	764699
680-230973-14	WAN-GWC-13	Total Recoverable	Water	6020B	764699
680-230973-15	WAN-GWC-15	Total Recoverable	Water	6020B	764699
680-230973-16	WAN-GWC-19	Total Recoverable	Water	6020B	764699
680-230973-17	WAN-GWC-21	Total Recoverable	Water	6020B	764699
680-230973-18	WAN-GWC-23	Total Recoverable	Water	6020B	764699
680-230973-19	WAN-GWC-25	Total Recoverable	Water	6020B	764699

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# QC Association Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-2

## Metals (Continued)

### Analysis Batch: 764981 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230973-20	WAN-GWC-26	Total Recoverable	Water	6020B	764699
680-230973-23	WAN-GWC-31	Total Recoverable	Water	6020B	764701
680-230973-24	WAN-GWC-20	Total Recoverable	Water	6020B	764701
MB 680-764699/1-A	Method Blank	Total Recoverable	Water	6020B	764699
MB 680-764701/1-A	Method Blank	Total Recoverable	Water	6020B	764701
LCS 680-764699/2-A	Lab Control Sample	Total Recoverable	Water	6020B	764699
LCS 680-764701/2-A	Lab Control Sample	Total Recoverable	Water	6020B	764701
680-230968-B-1-B MS	Matrix Spike	Total Recoverable	Water	6020B	764701
680-230968-B-1-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	764701
680-230973-1 MS	WAN-GWC-5	Total Recoverable	Water	6020B	764699
680-230973-1 MSD	WAN-GWC-5	Total Recoverable	Water	6020B	764699

## General Chemistry

### Analysis Batch: 765305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230973-1	WAN-GWC-5	Total/NA	Water	2320B-2011	
680-230973-2	WAN-GWC-6	Total/NA	Water	2320B-2011	
680-230973-3	WAN-GWC-16	Total/NA	Water	2320B-2011	
680-230973-4	WAN-GWC-17	Total/NA	Water	2320B-2011	
680-230973-6	WAN-GWC-33	Total/NA	Water	2320B-2011	
680-230973-7	WAN-GWC-34	Total/NA	Water	2320B-2011	
680-230973-8	WAN-GWC-35	Total/NA	Water	2320B-2011	
680-230973-9	WAN-GWC-18	Total/NA	Water	2320B-2011	
680-230973-12	WAN-GWC-7	Total/NA	Water	2320B-2011	
680-230973-13	WAN-GWC-11	Total/NA	Water	2320B-2011	
680-230973-14	WAN-GWC-13	Total/NA	Water	2320B-2011	
680-230973-15	WAN-GWC-15	Total/NA	Water	2320B-2011	
680-230973-16	WAN-GWC-19	Total/NA	Water	2320B-2011	
680-230973-17	WAN-GWC-21	Total/NA	Water	2320B-2011	
680-230973-18	WAN-GWC-23	Total/NA	Water	2320B-2011	
680-230973-19	WAN-GWC-25	Total/NA	Water	2320B-2011	
680-230973-23	WAN-GWC-31	Total/NA	Water	2320B-2011	
680-230973-24	WAN-GWC-20	Total/NA	Water	2320B-2011	
MB 680-765305/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 680-765305/6	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-765305/31	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
680-230973-15 DU	WAN-GWC-15	Total/NA	Water	2320B-2011	

### Analysis Batch: 765310

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230973-5	WAN-GWC-27	Total/NA	Water	2320B-2011	
680-230973-20	WAN-GWC-26	Total/NA	Water	2320B-2011	
MB 680-765310/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 680-765310/6	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-765310/31	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
680-230973-20 DU	WAN-GWC-26	Total/NA	Water	2320B-2011	

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Wansley Landfill

Job ID: 680-230973-2

**Client Sample ID: WAN-GWC-5**

**Lab Sample ID: 680-230973-1**

Date Collected: 02/20/23 10:15

Matrix: Water

Date Received: 02/23/23 06:30

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	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 21:14	BWR	EET SAV
		Instrument ID: ICPMSC								
Total/NA	Analysis	2320B-2011		1			765305	02/27/23 19:27	PG	EET SAV
		Instrument ID: MANTECH 2								

**Client Sample ID: WAN-GWC-6**

**Lab Sample ID: 680-230973-2**

Date Collected: 02/20/23 11:30

Matrix: Water

Date Received: 02/23/23 06:30

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	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 21:26	BWR	EET SAV
		Instrument ID: ICPMSC								
Total/NA	Analysis	2320B-2011		1			765305	02/27/23 20:05	PG	EET SAV
		Instrument ID: MANTECH 2								

**Client Sample ID: WAN-GWC-16**

**Lab Sample ID: 680-230973-3**

Date Collected: 02/20/23 15:12

Matrix: Water

Date Received: 02/23/23 06:30

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	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 21:30	BWR	EET SAV
		Instrument ID: ICPMSC								
Total/NA	Analysis	2320B-2011		1			765305	02/27/23 21:26	PG	EET SAV
		Instrument ID: MANTECH 2								

**Client Sample ID: WAN-GWC-17**

**Lab Sample ID: 680-230973-4**

Date Collected: 02/20/23 16:10

Matrix: Water

Date Received: 02/23/23 06:30

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	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 21:34	BWR	EET SAV
		Instrument ID: ICPMSC								
Total/NA	Analysis	2320B-2011		1			765305	02/27/23 19:18	PG	EET SAV
		Instrument ID: MANTECH 2								

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-2

## Client Sample ID: WAN-GWC-27

## Lab Sample ID: 680-230973-5

Date Collected: 02/20/23 12:40

Matrix: Water

Date Received: 02/23/23 06:30

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	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 21:38	BWR	EET SAV
		Instrument ID: ICPMSC								
Total/NA	Analysis	2320B-2011		1			765310	02/28/23 04:08	PG	EET SAV
		Instrument ID: MANTECH 2								

## Client Sample ID: WAN-GWC-33

## Lab Sample ID: 680-230973-6

Date Collected: 02/20/23 12:08

Matrix: Water

Date Received: 02/23/23 06:30

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	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 21:42	BWR	EET SAV
		Instrument ID: ICPMSC								
Total/NA	Analysis	2320B-2011		1			765305	02/27/23 21:34	PG	EET SAV
		Instrument ID: MANTECH 2								

## Client Sample ID: WAN-GWC-34

## Lab Sample ID: 680-230973-7

Date Collected: 02/20/23 13:37

Matrix: Water

Date Received: 02/23/23 06:30

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	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 21:54	BWR	EET SAV
		Instrument ID: ICPMSC								
Total/NA	Analysis	2320B-2011		1			765305	02/27/23 19:55	PG	EET SAV
		Instrument ID: MANTECH 2								

## Client Sample ID: WAN-GWC-35

## Lab Sample ID: 680-230973-8

Date Collected: 02/20/23 14:10

Matrix: Water

Date Received: 02/23/23 06:30

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	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 21:58	BWR	EET SAV
		Instrument ID: ICPMSC								
Total/NA	Analysis	2320B-2011		1			765305	02/27/23 21:42	PG	EET SAV
		Instrument ID: MANTECH 2								

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-2

**Client Sample ID: WAN-GWC-18**

**Lab Sample ID: 680-230973-9**

Date Collected: 02/20/23 16:18

Matrix: Water

Date Received: 02/23/23 06:30

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	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 22:02	BWR	EET SAV
		Instrument ID: ICPMSC								
Total/NA	Analysis	2320B-2011		1			765305	02/27/23 19:47	PG	EET SAV
		Instrument ID: MANTECH 2								

**Client Sample ID: WAN-GWC-7**

**Lab Sample ID: 680-230973-12**

Date Collected: 02/21/23 14:16

Matrix: Water

Date Received: 02/23/23 06:30

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	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 22:15	BWR	EET SAV
		Instrument ID: ICPMSC								
Total/NA	Analysis	2320B-2011		1			765305	02/27/23 19:38	PG	EET SAV
		Instrument ID: MANTECH 2								

**Client Sample ID: WAN-GWC-11**

**Lab Sample ID: 680-230973-13**

Date Collected: 02/21/23 14:55

Matrix: Water

Date Received: 02/23/23 06:30

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	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 22:19	BWR	EET SAV
		Instrument ID: ICPMSC								
Total/NA	Analysis	2320B-2011		1			765305	02/27/23 21:58	PG	EET SAV
		Instrument ID: MANTECH 2								

**Client Sample ID: WAN-GWC-13**

**Lab Sample ID: 680-230973-14**

Date Collected: 02/21/23 16:35

Matrix: Water

Date Received: 02/23/23 06:30

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	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 22:23	BWR	EET SAV
		Instrument ID: ICPMSC								
Total/NA	Analysis	2320B-2011		1			765305	02/27/23 21:50	PG	EET SAV
		Instrument ID: MANTECH 2								

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-2

## Client Sample ID: WAN-GWC-15

## Lab Sample ID: 680-230973-15

Date Collected: 02/21/23 09:44

Matrix: Water

Date Received: 02/23/23 06:30

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	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 22:27	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Analysis	2320B-2011		1			765305	02/27/23 21:00	PG	EET SAV
Instrument ID: MANTECH 2										

## Client Sample ID: WAN-GWC-19

## Lab Sample ID: 680-230973-16

Date Collected: 02/21/23 15:33

Matrix: Water

Date Received: 02/23/23 06:30

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	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 22:31	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Analysis	2320B-2011		1			765305	02/27/23 22:25	PG	EET SAV
Instrument ID: MANTECH 2										

## Client Sample ID: WAN-GWC-21

## Lab Sample ID: 680-230973-17

Date Collected: 02/21/23 16:50

Matrix: Water

Date Received: 02/23/23 06:30

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	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 22:43	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Analysis	2320B-2011		1			765305	02/27/23 20:30	PG	EET SAV
Instrument ID: MANTECH 2										

## Client Sample ID: WAN-GWC-23

## Lab Sample ID: 680-230973-18

Date Collected: 02/21/23 13:05

Matrix: Water

Date Received: 02/23/23 06:30

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	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 22:47	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Analysis	2320B-2011		1			765305	02/27/23 20:22	PG	EET SAV
Instrument ID: MANTECH 2										



# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-2

**Client Sample ID: WAN-GWC-25**

**Lab Sample ID: 680-230973-19**

Date Collected: 02/21/23 12:08

Matrix: Water

Date Received: 02/23/23 06:30

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	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 22:51	BWR	EET SAV
		Instrument ID: ICPMSC								
Total/NA	Analysis	2320B-2011		1			765305	02/27/23 20:13	PG	EET SAV
		Instrument ID: MANTECH 2								

**Client Sample ID: WAN-GWC-26**

**Lab Sample ID: 680-230973-20**

Date Collected: 02/21/23 11:45

Matrix: Water

Date Received: 02/23/23 06:30

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	125 mL	764699	02/23/23 12:38	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 22:55	BWR	EET SAV
		Instrument ID: ICPMSC								
Total/NA	Analysis	2320B-2011		1			765310	02/28/23 00:31	PG	EET SAV
		Instrument ID: MANTECH 2								

**Client Sample ID: WAN-GWC-31**

**Lab Sample ID: 680-230973-23**

Date Collected: 02/22/23 09:41

Matrix: Water

Date Received: 02/23/23 06:30

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	125 mL	764701	02/23/23 12:42	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/25/23 00:58	BWR	EET SAV
		Instrument ID: ICPMSC								
Total/NA	Analysis	2320B-2011		1			765305	02/27/23 22:16	PG	EET SAV
		Instrument ID: MANTECH 2								

**Client Sample ID: WAN-GWC-20**

**Lab Sample ID: 680-230973-24**

Date Collected: 02/22/23 11:05

Matrix: Water

Date Received: 02/23/23 06:30

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	125 mL	764701	02/23/23 12:42	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/25/23 01:02	BWR	EET SAV
		Instrument ID: ICPMSC								
Total/NA	Analysis	2320B-2011		1			765305	02/27/23 22:08	PG	EET SAV
		Instrument ID: MANTECH 2								

**Laboratory References:**

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

# Accreditation/Certification Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-2

## Laboratory: Eurofins Savannah

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

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

- 1
- 2
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- 10
- 11
- 12

# Method Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230973-2

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

**Protocol References:**

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

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

**Laboratory References:**

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



**Chain of Custody Record**

<b>Client Information</b> Client Contact: <u>T. Johnson, D. Johnson</u> SCS Contacts: <u>770-594-5998</u> Phone: <u>770-594-5998</u> E-Mail: <u>david.fuller@et.eurofins.com</u>		Lab PM: <u>Fuller, David</u> E-Mail: <u>david.fuller@et.eurofins.com</u>		Carrier Tracking No(s): Job #: <u>1022</u>		COC No: Page: <u>1 of 2</u>			
Due Date Requested: TAT Requested (days): Lab Project #: <u>68027763</u> PO #: <u>        </u> Project #: <u>        </u> SSOW#: <u>        </u>		Address: <u>241 Ralph McGill Blvd SE</u> City: <u>Atlanta</u> State Zip: <u>GA, 30308</u> Phone: <u>404-506-7116(Tel)</u> Email: <u>        </u> SCS Contacts / ACC Contacts: <u>        </u> Project Name: <u>Plant Wansley Landfill</u> Site: <u>        </u>		Analysis Requested Total Carbonate Bicarbonate Alkalinity: <u>        </u> Cations Mg Na K: <u>        </u> Perform MS/MSD (Yes or No): <u>        </u> Field Filtered Sample (Yes or No): <u>        </u> Total Number of Containers: <u>        </u>		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 Other: <u>        </u> M - Hexane N - None O - AsNaO2 P - Na2O4S Q - Na2SO3 R - Na2S2O3 S - H2SO4 T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z other (specify)		Task Code: <u>WAN-CSURF-ASSMT-2023S1</u> Special Instructions/Note: <u>ALK + 3 Cations (Report Separately).</u>	
<b>Sample Identification</b> Sample ID: <u>WAN-GWC-5</u> <u>WAN-GWC-6</u> <u>WAN-GWC-16</u> <u>WAN-GWC-17</u> <u>WAN-GWC-27</u> <u>WAN-GWC-33</u> <u>WAN-GWC-34</u> <u>WAN-GWC-35</u> <u>WAN-GWC-18</u> <u>WAN-GWC-7</u> <u>WAN-GWC-11</u>		Sample Date (mm/dd/yyyy): <u>02/20/23</u> <u>02/20/23</u> <u>02/20/23</u> <u>02/20/23</u> <u>02/20/23</u> <u>02/20/23</u> <u>02/20/23</u> <u>02/20/23</u> <u>02/21/23</u> <u>02/21/23</u>		Sample Time (hh:mm): <u>1015</u> <u>1130</u> <u>1512</u> <u>1610</u> <u>1240</u> <u>1208</u> <u>1337</u> <u>1410</u> <u>1618</u> <u>1416</u> <u>1455</u>		Sample Type (C=Comp, G=grab): Preservation Code: Matrix (WG=ground water, MS=surface water, MC=quality control): G WG G WG G WG G WG G WG G WG G WG G WG G WG G WG G WG		Field Filtered Sample (Yes or No): <u>        </u> Perform MS/MSD (Yes or No): <u>        </u> Cations Mg Na K: <u>        </u> Total Carbonate Bicarbonate Alkalinity: <u>        </u>	
Possible Hazard Identification: <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Deliverable Requested: <u>        </u> I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month): <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For <u>        </u> Months		Special Instructions/QC Requirements: <u>        </u> Additional Cations: <u>        </u> magnesium, sodium, potassium			
Empty Kit Relinquished by: <u>        </u> Date: <u>        </u>		Date: <u>        </u>		Method of Shipment: <u>        </u>		Time: <u>        </u>			
Relinquished by: <u>Duan Johnson</u> Date/Time: <u>2/22/23 1550</u> Company: <u>ACC</u>		Relinquished by: <u>        </u> Date/Time: <u>2/22/23 1620</u> Company: <u>        </u>		Relinquished by: <u>        </u> Date/Time: <u>        </u> Company: <u>        </u>		Receiver by: <u>        </u> Date/Time: <u>2/22/23 1550</u> Company: <u>        </u>			
Custody Seals Intact: Yes <input type="checkbox"/> No <input type="checkbox"/>		Custody Seal No: <u>        </u>		Cooler Temperature(s) °C and Other Remarks: <u>        </u> <u>9.1 - 5.1</u>		Company: <u>        </u>			



# Chain of Custody Record

<b>Client Information</b> Client Contact: <i>T. Johnson, D. Johnson</i> SCS Contacts: Phone: <i>770-594-5998</i> Company: GA Power Address: 241 Ralph McGill Blvd SE City: Atlanta State Zip: GA, 30308 Phone: 404-506-7116(Tel) Email: <i>68027763</i> SCS Contacts / ACC Contacts: <i>Project #:</i> Plant Wansley Landfill Site:		Lab PM: <i>Fuller David</i> E-Mail: <i>david.fuller@et.eurofins.com</i> Carrier Tracking No(s): Job #: <i>2 of 2</i> COC No:										
Due Date Requested: TAT Requested (days): Lab Project #: <i>68027763</i> PO #: <i>68027763</i> Project #: <i>68027763</i> SSOW#:		<b>Analysis Requested</b> Total Carbonate Bicarbonate Alkalinity: <i>D I</i> Catons Mg Na K: <i>D I</i> Perform MS/MSD (Yes or No): <i>X</i> Field Filtered Sample (Yes or No): <i>X</i> Total Number of Containers: <i>X</i>										
Sample Identification	Sample Date (mm/dd/yy)	Sample Time (hhmm)	Sample Type (C=comp, G=grab)	Matrix (MG/ground water, PG=quality control)	Preservation Code	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Catons Mg Na K	Total Carbonate Bicarbonate Alkalinity	Analysis Requested	Task Code	Special Instructions/Note
WAN- <i>GWC-13</i>	<i>02/21/23</i>	<i>1635</i>	G	WG		N	N	✓			WAN-CSURF-ASSMT-2023S1	ALK + 3 Cations (Report Separately).
WAN- <i>GWC-15</i>	<i>02/21/23</i>	<i>0944</i>	G	WG		N	N	✓				
WAN- <i>GWC-19</i>	<i>02/21/23</i>	<i>1533</i>	G	WG		N	N	✓				
WAN- <i>GWC-21</i>	<i>02/21/23</i>	<i>1650</i>	G	WG		N	N	✓				
WAN- <i>GWC-23</i>	<i>02/21/23</i>	<i>1305</i>	G	WG		N	N	✓				
WAN- <i>GWC-25</i>	<i>02/21/23</i>	<i>1208</i>	G	WG		N	N	✓				
WAN- <i>GWC-26</i>	<i>02/21/23</i>	<i>1145</i>	G	WG		N	N	✓				
WAN- <i>GWC-31</i>	<i>02/22/23</i>	<i>0941</i>	G	WG		N	N	✓				
WAN- <i>GWC-20</i>	<i>02/22/23</i>	<i>1105</i>	G	WG		N	N	✓				
WAN-			G	WG		N	N					
WAN-			G	WG		N	N					

**Possible Hazard Identification**  
 Non-Hazard  Flammable  Skin Irritant  Poison B  Unknown  Radiological  
 Deliverable Requested I II III IV Other (specify)

**Empty Kit Relinquished by:** \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

**Relinquished by:** *David Johnson* Date/Time: *2/22/23 / 1556* Company: *ACU*  
*David Johnson* Date/Time: *02-23-23* Company:  
*David Johnson* Date/Time: *06:30* Company:

**Custody Seals Intact:** *3-1-31* Custody Seal No  
 Δ Yes Δ No

**Special Instructions/QC Requirements:** Additional Cations magnesium, sodium potassium  
 Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)  
 Return To Client  Disposal By Lab  Archive For \_\_\_\_\_ Months

Method of Shipment: \_\_\_\_\_



## Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-230973-2

**Login Number: 230973**

**List Number: 1**

**Creator: Harley, Tynisha**

**List Source: Eurofins Savannah**

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

 **ANALYTICAL REPORT****PREPARED FOR**

Attn: Robert (Trey) Singleton  
Southern Company  
3535 Colonnade Parkway  
Bin S 530 EC  
Birmingham, Alabama 35243

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**JOB DESCRIPTION**

Plant Wansley Landfill - Surface Waters

**JOB NUMBER**

680-230968-1

# Eurofins Savannah

## Job Notes

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

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

## Authorization



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

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# Definitions/Glossary

Client: Southern Company  
Project/Site: Plant Wansley Landfill - Surface Waters

Job ID: 680-230968-1

## Qualifiers

### HPLC/IC

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

### Metals

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

## Glossary

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

# Sample Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill - Surface Waters

Job ID: 680-230968-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-230968-1	WAN-SWA-1	Water	02/22/23 12:51	02/23/23 06:30
680-230968-2	WAN-SWA-6	Water	02/22/23 12:06	02/23/23 06:30
680-230968-3	WAN-SWC-5	Water	02/22/23 11:50	02/23/23 06:30
680-230968-4	WAN-SWC-7	Water	02/22/23 12:23	02/23/23 06:30

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# Case Narrative

Client: Southern Company  
Project/Site: Plant Wansley Landfill - Surface Waters

Job ID: 680-230968-1

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**Job ID: 680-230968-1**

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**Laboratory: Eurofins Savannah**

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**Narrative**

**Job Narrative  
680-230968-1**

**Receipt**

The samples were received on 2/23/2023 6:30 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 3.1°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.



# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Wansley Landfill - Surface Waters

Job ID: 680-230968-1

**Client Sample ID: WAN-SWA-1**

**Lab Sample ID: 680-230968-1**

Date Collected: 02/22/23 12:51

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.5		1.0	0.20	mg/L			03/06/23 19:32	1
Fluoride	0.048	J	0.10	0.040	mg/L			03/06/23 19:32	1
Sulfate	1.9		1.0	0.40	mg/L			03/06/23 19:32	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/23/23 12:42	02/25/23 00:17	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/23/23 12:42	02/25/23 00:17	1
Barium	0.019		0.010	0.00089	mg/L		02/23/23 12:42	02/25/23 00:17	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/23/23 12:42	02/25/23 00:17	1
Boron	<0.022		0.080	0.022	mg/L		02/23/23 12:42	02/25/23 00:17	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/23/23 12:42	02/25/23 00:17	1
Calcium	2.8		0.50	0.14	mg/L		02/23/23 12:42	02/25/23 00:17	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/23/23 12:42	02/25/23 00:17	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/23/23 12:42	02/25/23 00:17	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/23/23 12:42	02/25/23 00:17	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/23/23 12:42	02/25/23 00:17	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/23/23 12:42	02/25/23 00:17	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/23/23 12:42	02/25/23 00:17	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/23/23 12:42	02/25/23 00:17	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/23/23 12:42	02/25/23 00:17	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/23/23 12:42	02/25/23 00:17	1
Zinc	0.0029	J	0.0050	0.0028	mg/L		02/23/23 12:42	02/25/23 00:17	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/23 15:14	02/27/23 14:55	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	35		10	10	mg/L			02/27/23 14:36	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.17				SU			02/22/23 12:51	1

**Client Sample ID: WAN-SWA-6**

**Lab Sample ID: 680-230968-2**

Date Collected: 02/22/23 12:06

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	5.4		1.0	0.20	mg/L			03/06/23 19:45	1
Fluoride	0.069	J	0.10	0.040	mg/L			03/06/23 19:45	1
Sulfate	9.3		1.0	0.40	mg/L			03/06/23 19:45	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/23/23 12:42	02/25/23 00:29	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/23/23 12:42	02/25/23 00:29	1

Eurofins Savannah

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Wansley Landfill - Surface Waters

Job ID: 680-230968-1

**Client Sample ID: WAN-SWA-6**

**Lab Sample ID: 680-230968-2**

Date Collected: 02/22/23 12:06

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Barium</b>	<b>0.025</b>		0.010	0.00089	mg/L		02/23/23 12:42	02/25/23 00:29	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/23/23 12:42	02/25/23 00:29	1
<b>Boron</b>	<b>0.064</b>	<b>J</b>	0.080	0.022	mg/L		02/23/23 12:42	02/25/23 00:29	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/23/23 12:42	02/25/23 00:29	1
<b>Calcium</b>	<b>6.3</b>		0.50	0.14	mg/L		02/23/23 12:42	02/25/23 00:29	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/23/23 12:42	02/25/23 00:29	1
<b>Cobalt</b>	<b>0.00051</b>	<b>J</b>	0.0025	0.00022	mg/L		02/23/23 12:42	02/25/23 00:29	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/23/23 12:42	02/25/23 00:29	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/23/23 12:42	02/25/23 00:29	1
<b>Nickel</b>	<b>0.00067</b>	<b>J</b>	0.0010	0.00042	mg/L		02/23/23 12:42	02/25/23 00:29	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/23/23 12:42	02/25/23 00:29	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/23/23 12:42	02/25/23 00:29	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/23/23 12:42	02/25/23 00:29	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/23/23 12:42	02/25/23 00:29	1
<b>Zinc</b>	<b>0.0056</b>		0.0050	0.0028	mg/L		02/23/23 12:42	02/25/23 00:29	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/23 15:14	02/27/23 14:57	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C-2011)</b>	<b>51</b>		10	10	mg/L			02/27/23 14:36	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Field pH</b>	<b>6.92</b>				SU			02/22/23 12:06	1

**Client Sample ID: WAN-SWC-5**

**Lab Sample ID: 680-230968-3**

Date Collected: 02/22/23 11:50

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>21</b>		1.0	0.20	mg/L			03/06/23 19:58	1
<b>Fluoride</b>	<b>0.077</b>	<b>J</b>	0.10	0.040	mg/L			03/06/23 19:58	1
<b>Sulfate</b>	<b>13</b>		1.0	0.40	mg/L			03/06/23 19:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/23/23 12:42	02/25/23 00:33	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/23/23 12:42	02/25/23 00:33	1
<b>Barium</b>	<b>0.082</b>		0.010	0.00089	mg/L		02/23/23 12:42	02/25/23 00:33	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/23/23 12:42	02/25/23 00:33	1
<b>Boron</b>	<b>0.25</b>		0.080	0.022	mg/L		02/23/23 12:42	02/25/23 00:33	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/23/23 12:42	02/25/23 00:33	1
<b>Calcium</b>	<b>17</b>		0.50	0.14	mg/L		02/23/23 12:42	02/25/23 00:33	1
<b>Chromium</b>	<b>0.0012</b>	<b>J</b>	0.0020	0.0012	mg/L		02/23/23 12:42	02/25/23 00:33	1
<b>Cobalt</b>	<b>0.0065</b>		0.0025	0.00022	mg/L		02/23/23 12:42	02/25/23 00:33	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/23/23 12:42	02/25/23 00:33	1

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# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Wansley Landfill - Surface Waters

Job ID: 680-230968-1

**Client Sample ID: WAN-SWC-5**

**Lab Sample ID: 680-230968-3**

Date Collected: 02/22/23 11:50

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	0.00046	J	0.0010	0.00021	mg/L		02/23/23 12:42	02/25/23 00:33	1
Nickel	0.0036		0.0010	0.00042	mg/L		02/23/23 12:42	02/25/23 00:33	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/23/23 12:42	02/25/23 00:33	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/23/23 12:42	02/25/23 00:33	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/23/23 12:42	02/25/23 00:33	1
Vanadium	0.0014	J	0.0020	0.00063	mg/L		02/23/23 12:42	02/25/23 00:33	1
Zinc	0.0047	J	0.0050	0.0028	mg/L		02/23/23 12:42	02/25/23 00:33	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/23 15:14	02/27/23 15:04	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	140		10	10	mg/L			02/27/23 14:36	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.19				SU			02/22/23 11:50	1

**Client Sample ID: WAN-SWC-7**

**Lab Sample ID: 680-230968-4**

Date Collected: 02/22/23 12:23

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	6.0		1.0	0.20	mg/L			03/06/23 20:38	1
Fluoride	0.070	J	0.10	0.040	mg/L			03/06/23 20:38	1
Sulfate	11		1.0	0.40	mg/L			03/06/23 20:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/23/23 12:42	02/25/23 00:37	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/23/23 12:42	02/25/23 00:37	1
Barium	0.026		0.010	0.00089	mg/L		02/23/23 12:42	02/25/23 00:37	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/23/23 12:42	02/25/23 00:37	1
Boron	0.091		0.080	0.022	mg/L		02/23/23 12:42	02/25/23 00:37	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/23/23 12:42	02/25/23 00:37	1
Calcium	7.4		0.50	0.14	mg/L		02/23/23 12:42	02/25/23 00:37	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/23/23 12:42	02/25/23 00:37	1
Cobalt	0.00053	J	0.0025	0.00022	mg/L		02/23/23 12:42	02/25/23 00:37	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/23/23 12:42	02/25/23 00:37	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/23/23 12:42	02/25/23 00:37	1
Nickel	0.00071	J	0.0010	0.00042	mg/L		02/23/23 12:42	02/25/23 00:37	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/23/23 12:42	02/25/23 00:37	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/23/23 12:42	02/25/23 00:37	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/23/23 12:42	02/25/23 00:37	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/23/23 12:42	02/25/23 00:37	1
Zinc	0.0049	J	0.0050	0.0028	mg/L		02/23/23 12:42	02/25/23 00:37	1

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# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Wansley Landfill - Surface Waters

Job ID: 680-230968-1

**Client Sample ID: WAN-SWC-7**

**Lab Sample ID: 680-230968-4**

Date Collected: 02/22/23 12:23

Matrix: Water

Date Received: 02/23/23 06:30

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/23 15:14	02/27/23 15:06	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	60		10	10	mg/L			02/28/23 12:26	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	7.03				SU			02/22/23 12:23	1



# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Wansley Landfill - Surface Waters

Job ID: 680-230968-1

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

**Lab Sample ID: MB 680-766172/33**  
**Matrix: Water**  
**Analysis Batch: 766172**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			03/06/23 16:54	1
Fluoride	<0.040		0.10	0.040	mg/L			03/06/23 16:54	1
Sulfate	<0.40		1.0	0.40	mg/L			03/06/23 16:54	1

**Lab Sample ID: LCS 680-766172/34**  
**Matrix: Water**  
**Analysis Batch: 766172**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.2		mg/L		102	90 - 110
Fluoride	2.00	2.02		mg/L		101	90 - 110
Sulfate	10.0	9.95		mg/L		100	90 - 110

**Lab Sample ID: LCSD 680-766172/35**  
**Matrix: Water**  
**Analysis Batch: 766172**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	10.2		mg/L		102	90 - 110	0	15
Fluoride	2.00	2.01		mg/L		101	90 - 110	0	15
Sulfate	10.0	9.92		mg/L		99	90 - 110	0	15

**Lab Sample ID: 660-127393-H-5 MS**  
**Matrix: Water**  
**Analysis Batch: 766172**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	<0.20		10.0	10.1		mg/L		101	80 - 120
Fluoride	<0.040		2.00	2.00		mg/L		100	80 - 120
Sulfate	<0.40		10.0	9.84		mg/L		98	80 - 120

**Lab Sample ID: 660-127393-H-5 MSD**  
**Matrix: Water**  
**Analysis Batch: 766172**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	<0.20		10.0	9.66		mg/L		97	80 - 120	5	15
Fluoride	<0.040		2.00	1.92		mg/L		96	80 - 120	4	15
Sulfate	<0.40		10.0	9.50		mg/L		95	80 - 120	4	15

**Lab Sample ID: 680-230968-4 MS**  
**Matrix: Water**  
**Analysis Batch: 766172**

**Client Sample ID: WAN-SWC-7**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	6.0		10.0	15.9		mg/L		100	80 - 120
Fluoride	0.070	J	2.00	2.07		mg/L		100	80 - 120
Sulfate	11		10.0	21.1		mg/L		102	80 - 120

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# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Wansley Landfill - Surface Waters

Job ID: 680-230968-1

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

**Lab Sample ID: 680-230968-4 MSD**  
**Matrix: Water**  
**Analysis Batch: 766172**

**Client Sample ID: WAN-SWC-7**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	6.0		10.0	15.5		mg/L		95	80 - 120	3	15
Fluoride	0.070	J	2.00	1.97		mg/L		95	80 - 120	5	15
Sulfate	11		10.0	20.7		mg/L		98	80 - 120	2	15

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

**Lab Sample ID: MB 680-764701/1-A**  
**Matrix: Water**  
**Analysis Batch: 764981**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764701**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/23/23 12:42	02/25/23 00:09	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/23/23 12:42	02/25/23 00:09	1
Barium	<0.00089		0.010	0.00089	mg/L		02/23/23 12:42	02/25/23 00:09	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/23/23 12:42	02/25/23 00:09	1
Boron	<0.022		0.080	0.022	mg/L		02/23/23 12:42	02/25/23 00:09	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/23/23 12:42	02/25/23 00:09	1
Calcium	<0.14		0.50	0.14	mg/L		02/23/23 12:42	02/25/23 00:09	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/23/23 12:42	02/25/23 00:09	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/23/23 12:42	02/25/23 00:09	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/23/23 12:42	02/25/23 00:09	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/23/23 12:42	02/25/23 00:09	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/23/23 12:42	02/25/23 00:09	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/23/23 12:42	02/25/23 00:09	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/23/23 12:42	02/25/23 00:09	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/23/23 12:42	02/25/23 00:09	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/23/23 12:42	02/25/23 00:09	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/23/23 12:42	02/25/23 00:09	1

**Lab Sample ID: LCS 680-764701/2-A**  
**Matrix: Water**  
**Analysis Batch: 764981**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764701**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0509		mg/L		102	80 - 120
Arsenic	0.100	0.104		mg/L		104	80 - 120
Barium	0.100	0.0988		mg/L		99	80 - 120
Beryllium	0.0500	0.0485		mg/L		97	80 - 120
Boron	0.200	0.199		mg/L		100	80 - 120
Cadmium	0.0500	0.0509		mg/L		102	80 - 120
Calcium	5.00	5.19		mg/L		104	80 - 120
Chromium	0.100	0.0974		mg/L		97	80 - 120
Cobalt	0.0500	0.0531		mg/L		106	80 - 120
Copper	0.100	0.109		mg/L		109	80 - 120
Lead	0.505	0.512		mg/L		102	80 - 120
Nickel	0.100	0.104		mg/L		104	80 - 120
Selenium	0.100	0.104		mg/L		104	80 - 120
Silver	0.0500	0.0504		mg/L		101	80 - 120
Thallium	0.0500	0.0488		mg/L		98	80 - 120

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# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Wansley Landfill - Surface Waters

Job ID: 680-230968-1

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

**Lab Sample ID: LCS 680-764701/2-A**  
**Matrix: Water**  
**Analysis Batch: 764981**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764701**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vanadium	0.100	0.103		mg/L		103	80 - 120
Zinc	0.100	0.104		mg/L		104	80 - 120

**Lab Sample ID: 680-230968-1 MS**  
**Matrix: Water**  
**Analysis Batch: 764981**

**Client Sample ID: WAN-SWA-1**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764701**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.00034		0.0500	0.0508		mg/L		102	75 - 125
Arsenic	<0.00086		0.100	0.105		mg/L		105	75 - 125
Barium	0.019		0.100	0.120		mg/L		102	75 - 125
Beryllium	<0.00020		0.0500	0.0502		mg/L		100	75 - 125
Boron	<0.022		0.200	0.219		mg/L		109	75 - 125
Cadmium	<0.000078		0.0500	0.0508		mg/L		102	75 - 125
Calcium	2.8		5.00	7.75		mg/L		99	75 - 125
Chromium	<0.0012		0.100	0.0993		mg/L		99	75 - 125
Cobalt	<0.00022		0.0500	0.0528		mg/L		106	75 - 125
Copper	<0.0011		0.100	0.111		mg/L		111	75 - 125
Lead	<0.00021		0.505	0.522		mg/L		103	75 - 125
Nickel	<0.00042		0.100	0.106		mg/L		106	75 - 125
Selenium	<0.00099		0.100	0.106		mg/L		106	75 - 125
Silver	<0.00039		0.0500	0.0500		mg/L		100	75 - 125
Thallium	<0.00026		0.0500	0.0500		mg/L		100	75 - 125
Vanadium	<0.00063		0.100	0.104		mg/L		104	75 - 125
Zinc	0.0029	J	0.100	0.108		mg/L		105	75 - 125

**Lab Sample ID: 680-230968-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 764981**

**Client Sample ID: WAN-SWA-1**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764701**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.00034		0.0500	0.0512		mg/L		102	75 - 125	1	20
Arsenic	<0.00086		0.100	0.103		mg/L		103	75 - 125	2	20
Barium	0.019		0.100	0.118		mg/L		100	75 - 125	2	20
Beryllium	<0.00020		0.0500	0.0509		mg/L		102	75 - 125	1	20
Boron	<0.022		0.200	0.221		mg/L		110	75 - 125	1	20
Cadmium	<0.000078		0.0500	0.0510		mg/L		102	75 - 125	0	20
Calcium	2.8		5.00	7.93		mg/L		103	75 - 125	2	20
Chromium	<0.0012		0.100	0.0967		mg/L		97	75 - 125	3	20
Cobalt	<0.00022		0.0500	0.0531		mg/L		106	75 - 125	1	20
Copper	<0.0011		0.100	0.111		mg/L		111	75 - 125	0	20
Lead	<0.00021		0.505	0.514		mg/L		102	75 - 125	2	20
Nickel	<0.00042		0.100	0.103		mg/L		103	75 - 125	2	20
Selenium	<0.00099		0.100	0.107		mg/L		107	75 - 125	0	20
Silver	<0.00039		0.0500	0.0508		mg/L		102	75 - 125	2	20
Thallium	<0.00026		0.0500	0.0493		mg/L		99	75 - 125	2	20
Vanadium	<0.00063		0.100	0.103		mg/L		103	75 - 125	1	20
Zinc	0.0029	J	0.100	0.104		mg/L		101	75 - 125	4	20

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# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Wansley Landfill - Surface Waters

Job ID: 680-230968-1

## Method: 7470A - Mercury

**Lab Sample ID: MB 680-764919/1-A**  
**Matrix: Water**  
**Analysis Batch: 765270**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 764919**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/24/23 15:14	02/27/23 14:51	1

**Lab Sample ID: LCS 680-764919/2-A**  
**Matrix: Water**  
**Analysis Batch: 765270**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 764919**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00257		mg/L		103	80 - 120

**Lab Sample ID: 680-230968-2 MS**  
**Matrix: Water**  
**Analysis Batch: 765270**

**Client Sample ID: WAN-SWA-6**  
**Prep Type: Total/NA**  
**Prep Batch: 764919**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.000080		0.00100	0.00104		mg/L		104	80 - 120

**Lab Sample ID: 680-230968-2 MSD**  
**Matrix: Water**  
**Analysis Batch: 765270**

**Client Sample ID: WAN-SWA-6**  
**Prep Type: Total/NA**  
**Prep Batch: 764919**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000080		0.00100	0.00102		mg/L		102	80 - 120	1	20

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

**Lab Sample ID: MB 680-765186/1**  
**Matrix: Water**  
**Analysis Batch: 765186**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/27/23 14:36	1

**Lab Sample ID: LCS 680-765186/2**  
**Matrix: Water**  
**Analysis Batch: 765186**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	2340	2390		mg/L		102	80 - 120

**Lab Sample ID: LCSD 680-765186/3**  
**Matrix: Water**  
**Analysis Batch: 765186**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	2340	2380		mg/L		102	80 - 120	1	25

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# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Wansley Landfill - Surface Waters

Job ID: 680-230968-1

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

**Lab Sample ID: 680-230935-H-1 DU**  
**Matrix: Water**  
**Analysis Batch: 765186**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	310		314		mg/L		0.6	5

**Lab Sample ID: 680-230973-B-12 DU**  
**Matrix: Water**  
**Analysis Batch: 765186**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	370		374		mg/L		0.5	5

**Lab Sample ID: MB 680-765354/1**  
**Matrix: Water**  
**Analysis Batch: 765354**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/28/23 12:26	1

**Lab Sample ID: LCS 680-765354/2**  
**Matrix: Water**  
**Analysis Batch: 765354**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	2340	2400		mg/L		102	80 - 120

**Lab Sample ID: LCSD 680-765354/3**  
**Matrix: Water**  
**Analysis Batch: 765354**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	2340	2410		mg/L		103	80 - 120	1	25

**Lab Sample ID: 680-230973-B-24 DU**  
**Matrix: Water**  
**Analysis Batch: 765354**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	98		97.0		mg/L		0.5	5

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill - Surface Waters

Job ID: 680-230968-1

## HPLC/IC

### Analysis Batch: 766172

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230968-1	WAN-SWA-1	Total/NA	Water	300.0-1993 R2.1	
680-230968-2	WAN-SWA-6	Total/NA	Water	300.0-1993 R2.1	
680-230968-3	WAN-SWC-5	Total/NA	Water	300.0-1993 R2.1	
680-230968-4	WAN-SWC-7	Total/NA	Water	300.0-1993 R2.1	
MB 680-766172/33	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-766172/34	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-766172/35	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
660-127393-H-5 MS	Matrix Spike	Total/NA	Water	300.0-1993 R2.1	
660-127393-H-5 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0-1993 R2.1	
680-230968-4 MS	WAN-SWC-7	Total/NA	Water	300.0-1993 R2.1	
680-230968-4 MSD	WAN-SWC-7	Total/NA	Water	300.0-1993 R2.1	

## Metals

### Prep Batch: 764701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230968-1	WAN-SWA-1	Total Recoverable	Water	3005A	
680-230968-2	WAN-SWA-6	Total Recoverable	Water	3005A	
680-230968-3	WAN-SWC-5	Total Recoverable	Water	3005A	
680-230968-4	WAN-SWC-7	Total Recoverable	Water	3005A	
MB 680-764701/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-764701/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-230968-1 MS	WAN-SWA-1	Total Recoverable	Water	3005A	
680-230968-1 MSD	WAN-SWA-1	Total Recoverable	Water	3005A	

### Prep Batch: 764919

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230968-1	WAN-SWA-1	Total/NA	Water	7470A	
680-230968-2	WAN-SWA-6	Total/NA	Water	7470A	
680-230968-3	WAN-SWC-5	Total/NA	Water	7470A	
680-230968-4	WAN-SWC-7	Total/NA	Water	7470A	
MB 680-764919/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-764919/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-230968-2 MS	WAN-SWA-6	Total/NA	Water	7470A	
680-230968-2 MSD	WAN-SWA-6	Total/NA	Water	7470A	

### Analysis Batch: 764981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230968-1	WAN-SWA-1	Total Recoverable	Water	6020B	764701
680-230968-2	WAN-SWA-6	Total Recoverable	Water	6020B	764701
680-230968-3	WAN-SWC-5	Total Recoverable	Water	6020B	764701
680-230968-4	WAN-SWC-7	Total Recoverable	Water	6020B	764701
MB 680-764701/1-A	Method Blank	Total Recoverable	Water	6020B	764701
LCS 680-764701/2-A	Lab Control Sample	Total Recoverable	Water	6020B	764701
680-230968-1 MS	WAN-SWA-1	Total Recoverable	Water	6020B	764701
680-230968-1 MSD	WAN-SWA-1	Total Recoverable	Water	6020B	764701

### Analysis Batch: 765270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230968-1	WAN-SWA-1	Total/NA	Water	7470A	764919
680-230968-2	WAN-SWA-6	Total/NA	Water	7470A	764919

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# QC Association Summary

Client: Southern Company  
 Project/Site: Plant Wansley Landfill - Surface Waters

Job ID: 680-230968-1

## Metals (Continued)

### Analysis Batch: 765270 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230968-3	WAN-SWC-5	Total/NA	Water	7470A	764919
680-230968-4	WAN-SWC-7	Total/NA	Water	7470A	764919
MB 680-764919/1-A	Method Blank	Total/NA	Water	7470A	764919
LCS 680-764919/2-A	Lab Control Sample	Total/NA	Water	7470A	764919
680-230968-2 MS	WAN-SWA-6	Total/NA	Water	7470A	764919
680-230968-2 MSD	WAN-SWA-6	Total/NA	Water	7470A	764919

## General Chemistry

### Analysis Batch: 765186

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230968-1	WAN-SWA-1	Total/NA	Water	2540C-2011	
680-230968-2	WAN-SWA-6	Total/NA	Water	2540C-2011	
680-230968-3	WAN-SWC-5	Total/NA	Water	2540C-2011	
MB 680-765186/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-765186/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-765186/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-230935-H-1 DU	Duplicate	Total/NA	Water	2540C-2011	
680-230973-B-12 DU	Duplicate	Total/NA	Water	2540C-2011	

### Analysis Batch: 765354

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230968-4	WAN-SWC-7	Total/NA	Water	2540C-2011	
MB 680-765354/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-765354/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-765354/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-230973-B-24 DU	Duplicate	Total/NA	Water	2540C-2011	

## Field Service / Mobile Lab

### Analysis Batch: 765433

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230968-1	WAN-SWA-1	Total/NA	Water	Field Sampling	
680-230968-2	WAN-SWA-6	Total/NA	Water	Field Sampling	
680-230968-3	WAN-SWC-5	Total/NA	Water	Field Sampling	
680-230968-4	WAN-SWC-7	Total/NA	Water	Field Sampling	

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Wansley Landfill - Surface Waters

Job ID: 680-230968-1

## Client Sample ID: WAN-SWA-1

## Lab Sample ID: 680-230968-1

Date Collected: 02/22/23 12:51

Matrix: Water

Date Received: 02/23/23 06:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	766172	03/06/23 19:32	T1C	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764701	02/23/23 12:42	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/25/23 00:17	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764919	02/24/23 15:14	JKL	EET SAV
Total/NA	Analysis	7470A		1			765270	02/27/23 14:55	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	765186	02/27/23 14:36	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			765433	02/22/23 12:51	P1C	EET SAV
Instrument ID: NOEQUIP										

## Client Sample ID: WAN-SWA-6

## Lab Sample ID: 680-230968-2

Date Collected: 02/22/23 12:06

Matrix: Water

Date Received: 02/23/23 06:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	766172	03/06/23 19:45	T1C	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764701	02/23/23 12:42	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/25/23 00:29	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764919	02/24/23 15:14	JKL	EET SAV
Total/NA	Analysis	7470A		1			765270	02/27/23 14:57	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	765186	02/27/23 14:36	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			765433	02/22/23 12:06	P1C	EET SAV
Instrument ID: NOEQUIP										

## Client Sample ID: WAN-SWC-5

## Lab Sample ID: 680-230968-3

Date Collected: 02/22/23 11:50

Matrix: Water

Date Received: 02/23/23 06:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	766172	03/06/23 19:58	T1C	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764701	02/23/23 12:42	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/25/23 00:33	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764919	02/24/23 15:14	JKL	EET SAV
Total/NA	Analysis	7470A		1			765270	02/27/23 15:04	BJB	EET SAV
Instrument ID: QuickTrace2										

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# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Wansley Landfill - Surface Waters

Job ID: 680-230968-1

## Client Sample ID: WAN-SWC-5

## Lab Sample ID: 680-230968-3

Date Collected: 02/22/23 11:50

Matrix: Water

Date Received: 02/23/23 06:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	765186	02/27/23 14:36	PG	EET SAV
Total/NA	Analysis	Field Sampling		1			765433	02/22/23 11:50	P1C	EET SAV
Instrument ID: NOEQUIP										

## Client Sample ID: WAN-SWC-7

## Lab Sample ID: 680-230968-4

Date Collected: 02/22/23 12:23

Matrix: Water

Date Received: 02/23/23 06:30

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	766172	03/06/23 20:38	T1C	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764701	02/23/23 12:42	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/25/23 00:37	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764919	02/24/23 15:14	JKL	EET SAV
Total/NA	Analysis	7470A		1			765270	02/27/23 15:06	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	765354	02/28/23 12:26	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			765433	02/22/23 12:23	P1C	EET SAV
Instrument ID: NOEQUIP										

**Laboratory References:**

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



# Accreditation/Certification Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill - Surface Waters

Job ID: 680-230968-1

## Laboratory: Eurofins Savannah

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

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

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# Method Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill - Surface Waters

Job ID: 680-230968-1

Method	Method Description	Protocol	Laboratory
300.0-1993 R2.1	Anions, Ion Chromatography	MCAWW	EET SAV
6020B	Metals (ICP/MS)	SW846	EET SAV
7470A	Mercury	SW846	EET SAV
2540C-2011	Total Dissolved Solids (Dried at 180 °C)	SM	EET SAV
Field Sampling	Field Sampling	EPA	EET SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV
7470A	Preparation, Mercury	SW846	EET SAV

#### Protocol References:

EPA = US Environmental Protection Agency

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

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

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

#### Laboratory References:

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

# Chain of Custody Record

<b>Client Information</b>		Lab PM: Fuller, David	
Client Contact: SCS Contacts		E-Mail: david.fuller@et.eurofins.com	
Company: GA Power		Carrier Tracking No(s):	
Address: 2411 Ralph McGill Blvd SE		COC No:	
City: Atlanta		Page: 1 of 1	
State: Zip: GA, 30308		Job #:	
Phone: 404-506-7116(Tel)		Preservation Codes:	
Email: 68027763		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 Other:	
Project Name: SCS Contacts / ACC Contacts		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)	
Plant: Wansley Landfill - Surface Waters		Task Code: WAN-CSURF-ASSMT-2023S1	
Site:		Special Instructions/Note: If Dissolved Metals required, lab to filter	

Sample Identification	Sample Date (mm/dd/yy)	Sample Time (hh:mm)	Sample Type (C=Comp, G=grab)	Matrix (W=Ground water, W=Surface water, W=Quality control)	Preservation Code	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	AP III and State Permit Metals (EPA 6020 & 7470) As, B, Ba, Ca, Cd, Cr, Co, Cu, Pb, Ni, Sb, Se, Ag, Tl, V, Zn, Hg	CI 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	Analysis Requested	Carrier Tracking No(s)	COC No
WAN-SWA-1	02/22/23	1251	G	WS		X	N						
WAN-SWA-6	02/22/23	1206	G	WS		X	N						
WAN-SWC-5	02/22/23	1150	G	WS		X	N						
WAN-SWC-7	02/22/23	1223	G	WS		X	N						
WAN-			G			X	N						
WAN-			G			X	N						
WAN-			G			X	N						
WAN-			G			X	N						
WAN-			G			X	N						
WAN-			G			X	N						
WAN-			G			X	N						

Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological	
Deliverable Requested I, II, III, IV Other (specify)	
Empty Kit Relinquished by	
Relinquished by: <i>[Signature]</i>	Date: 2/22/23
Relinquished by: <i>[Signature]</i>	Date: 2/22/23
Relinquished by: <i>[Signature]</i>	Date: 2/22/23
Custody Seals Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	

Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Special Instructions/QC Requirements	
Method of Shipment	
Received by: <i>[Signature]</i>	Date/Time: 2/22/23
Received by: <i>[Signature]</i>	Date/Time: 02/23/23 06:10
Received by: <i>[Signature]</i>	Date/Time:
Cooler Temperature(s) °C and Other Remarks: 3-1	



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-230968-1

**Login Number: 230968**

**List Source: Eurofins Savannah**

**List Number: 1**

**Creator: Padayao, Abigail**

Question	Answer	Comment
Radioactivity wasn't checked or is $\leq$ 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 $<6\text{mm}$ (1/4").	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

 **ANALYTICAL REPORT****PREPARED FOR**

Attn: Robert (Trey) Singleton  
Southern Company  
3535 Colonnade Parkway  
Bin S 530 EC  
Birmingham, Alabama 35243

Generated 3/5/2023 11:45:27 AM

**JOB DESCRIPTION**

Plant Wansley Landfill - Surface Waters

**JOB NUMBER**

680-230968-2

# Eurofins Savannah

## Job Notes

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

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

## Authorization



Generated  
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# Definitions/Glossary

Client: Southern Company  
Project/Site: Plant Wansley Landfill - Surface Waters

Job ID: 680-230968-2

## Glossary

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

# Sample Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill - Surface Waters

Job ID: 680-230968-2

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-230968-1	WAN-SWA-1	Water	02/22/23 12:51	02/23/23 06:30
680-230968-2	WAN-SWA-6	Water	02/22/23 12:06	02/23/23 06:30
680-230968-3	WAN-SWC-5	Water	02/22/23 11:50	02/23/23 06:30
680-230968-4	WAN-SWC-7	Water	02/22/23 12:23	02/23/23 06:30

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# Case Narrative

Client: Southern Company  
Project/Site: Plant Wansley Landfill - Surface Waters

Job ID: 680-230968-2

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**Job ID: 680-230968-2**

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**Laboratory: Eurofins Savannah**

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## Narrative

**Job Narrative  
680-230968-2**

### Receipt

The samples were received on 2/23/2023 6:30 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 3.1°C

### 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.

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# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Wansley Landfill - Surface Waters

Job ID: 680-230968-2

**Client Sample ID: WAN-SWA-1**

**Lab Sample ID: 680-230968-1**

Date Collected: 02/22/23 12:51

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	1.1		0.50	0.023	mg/L		02/23/23 12:42	02/25/23 00:17	1
Potassium	1.5		0.50	0.044	mg/L		02/23/23 12:42	02/25/23 00:17	1
Sodium	2.9		0.50	0.20	mg/L		02/23/23 12:42	02/25/23 00:17	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	13		5.0	5.0	mg/L			02/24/23 16:44	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	13		5.0	5.0	mg/L			02/24/23 16:44	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/24/23 16:44	1

**Client Sample ID: WAN-SWA-6**

**Lab Sample ID: 680-230968-2**

Date Collected: 02/22/23 12:06

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	2.0		0.50	0.023	mg/L		02/23/23 12:42	02/25/23 00:29	1
Potassium	1.8		0.50	0.044	mg/L		02/23/23 12:42	02/25/23 00:29	1
Sodium	3.6		0.50	0.20	mg/L		02/23/23 12:42	02/25/23 00:29	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	25		5.0	5.0	mg/L			02/24/23 17:32	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	25		5.0	5.0	mg/L			02/24/23 17:32	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/24/23 17:32	1

**Client Sample ID: WAN-SWC-5**

**Lab Sample ID: 680-230968-3**

Date Collected: 02/22/23 11:50

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	9.0		0.50	0.023	mg/L		02/23/23 12:42	02/25/23 00:33	1
Potassium	2.3		0.50	0.044	mg/L		02/23/23 12:42	02/25/23 00:33	1
Sodium	8.2		0.50	0.20	mg/L		02/23/23 12:42	02/25/23 00:33	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	55		5.0	5.0	mg/L			02/27/23 19:00	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	55		5.0	5.0	mg/L			02/27/23 19:00	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/27/23 19:00	1

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Wansley Landfill - Surface Waters

Job ID: 680-230968-2

**Client Sample ID: WAN-SWC-7**

**Lab Sample ID: 680-230968-4**

Date Collected: 02/22/23 12:23

Matrix: Water

Date Received: 02/23/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Magnesium	2.5		0.50	0.023	mg/L		02/23/23 12:42	02/25/23 00:37	1
Potassium	1.8		0.50	0.044	mg/L		02/23/23 12:42	02/25/23 00:37	1
Sodium	3.9		0.50	0.20	mg/L		02/23/23 12:42	02/25/23 00:37	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3 (SM 2320B-2011)	21		5.0	5.0	mg/L			02/27/23 21:17	1
Bicarbonate Alkalinity as CaCO3 (SM 2320B-2011)	21		5.0	5.0	mg/L			02/27/23 21:17	1
Carbonate Alkalinity as CaCO3 (SM 2320B-2011)	<5.0		5.0	5.0	mg/L			02/27/23 21:17	1

# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Wansley Landfill - Surface Waters

Job ID: 680-230968-2

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

**Lab Sample ID: MB 680-764701/1-A**  
**Matrix: Water**  
**Analysis Batch: 764981**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764701**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Magnesium	<0.023		0.50	0.023	mg/L		02/23/23 12:42	02/25/23 00:09	1
Potassium	<0.044		0.50	0.044	mg/L		02/23/23 12:42	02/25/23 00:09	1
Sodium	<0.20		0.50	0.20	mg/L		02/23/23 12:42	02/25/23 00:09	1

**Lab Sample ID: LCS 680-764701/2-A**  
**Matrix: Water**  
**Analysis Batch: 764981**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764701**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Potassium	6.97	6.98		mg/L		100	80 - 120
Sodium	5.05	5.07		mg/L		101	80 - 120

**Lab Sample ID: 680-230968-1 MS**  
**Matrix: Water**  
**Analysis Batch: 764981**

**Client Sample ID: WAN-SWA-1**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764701**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Potassium	1.5		6.97	8.46		mg/L		100	75 - 125
Sodium	2.9		5.05	7.94		mg/L		99	75 - 125

**Lab Sample ID: 680-230968-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 764981**

**Client Sample ID: WAN-SWA-1**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764701**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Potassium	1.5		6.97	8.43		mg/L		99	75 - 125	0	20
Sodium	2.9		5.05	7.80		mg/L		96	75 - 125	2	20

## Method: 2320B-2011 - Alkalinity, Total

**Lab Sample ID: MB 680-765153/4**  
**Matrix: Water**  
**Analysis Batch: 765153**

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

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Total Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/24/23 15:15	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/24/23 15:15	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/24/23 15:15	1

**Lab Sample ID: LCS 680-765153/6**  
**Matrix: Water**  
**Analysis Batch: 765153**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits

# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Wansley Landfill - Surface Waters

Job ID: 680-230968-2

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

**Lab Sample ID: LCSD 680-765153/31**  
**Matrix: Water**  
**Analysis Batch: 765153**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Alkalinity as CaCO3	250	256		mg/L		102	90 - 112	3	30

**Lab Sample ID: 680-230831-A-4 DU**  
**Matrix: Water**  
**Analysis Batch: 765153**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3	100		102		mg/L		0.5	30
Bicarbonate Alkalinity as CaCO3	100		102		mg/L		0.5	30
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	30

**Lab Sample ID: MB 680-765305/4**  
**Matrix: Water**  
**Analysis Batch: 765305**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/27/23 18:33	1
Bicarbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/27/23 18:33	1
Carbonate Alkalinity as CaCO3	<5.0		5.0	5.0	mg/L			02/27/23 18:33	1

**Lab Sample ID: LCS 680-765305/6**  
**Matrix: Water**  
**Analysis Batch: 765305**

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

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

**Lab Sample ID: LCSD 680-765305/31**  
**Matrix: Water**  
**Analysis Batch: 765305**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Alkalinity as CaCO3	250	253		mg/L		101	90 - 112	2	30

**Lab Sample ID: 680-230968-3 DU**  
**Matrix: Water**  
**Analysis Batch: 765305**

**Client Sample ID: WAN-SWC-5**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Alkalinity as CaCO3	55		55.5		mg/L		0.3	30
Bicarbonate Alkalinity as CaCO3	55		55.5		mg/L		0.3	30
Carbonate Alkalinity as CaCO3	<5.0		<5.0		mg/L		NC	30

# QC Association Summary

Client: Southern Company  
 Project/Site: Plant Wansley Landfill - Surface Waters

Job ID: 680-230968-2

## Metals

### Prep Batch: 764701

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230968-1	WAN-SWA-1	Total Recoverable	Water	3005A	
680-230968-2	WAN-SWA-6	Total Recoverable	Water	3005A	
680-230968-3	WAN-SWC-5	Total Recoverable	Water	3005A	
680-230968-4	WAN-SWC-7	Total Recoverable	Water	3005A	
MB 680-764701/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-764701/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-230968-1 MS	WAN-SWA-1	Total Recoverable	Water	3005A	
680-230968-1 MSD	WAN-SWA-1	Total Recoverable	Water	3005A	

### Analysis Batch: 764981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230968-1	WAN-SWA-1	Total Recoverable	Water	6020B	764701
680-230968-2	WAN-SWA-6	Total Recoverable	Water	6020B	764701
680-230968-3	WAN-SWC-5	Total Recoverable	Water	6020B	764701
680-230968-4	WAN-SWC-7	Total Recoverable	Water	6020B	764701
MB 680-764701/1-A	Method Blank	Total Recoverable	Water	6020B	764701
LCS 680-764701/2-A	Lab Control Sample	Total Recoverable	Water	6020B	764701
680-230968-1 MS	WAN-SWA-1	Total Recoverable	Water	6020B	764701
680-230968-1 MSD	WAN-SWA-1	Total Recoverable	Water	6020B	764701

## General Chemistry

### Analysis Batch: 765153

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230968-1	WAN-SWA-1	Total/NA	Water	2320B-2011	
680-230968-2	WAN-SWA-6	Total/NA	Water	2320B-2011	
MB 680-765153/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 680-765153/6	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-765153/31	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
680-230831-A-4 DU	Duplicate	Total/NA	Water	2320B-2011	

### Analysis Batch: 765305

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230968-3	WAN-SWC-5	Total/NA	Water	2320B-2011	
680-230968-4	WAN-SWC-7	Total/NA	Water	2320B-2011	
MB 680-765305/4	Method Blank	Total/NA	Water	2320B-2011	
LCS 680-765305/6	Lab Control Sample	Total/NA	Water	2320B-2011	
LCSD 680-765305/31	Lab Control Sample Dup	Total/NA	Water	2320B-2011	
680-230968-3 DU	WAN-SWC-5	Total/NA	Water	2320B-2011	

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Wansley Landfill - Surface Waters

Job ID: 680-230968-2

## Client Sample ID: WAN-SWA-1

## Lab Sample ID: 680-230968-1

Date Collected: 02/22/23 12:51

Matrix: Water

Date Received: 02/23/23 06:30

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	125 mL	764701	02/23/23 12:42	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/25/23 00:17	BWR	EET SAV
		Instrument ID: ICPMSC								
Total/NA	Analysis	2320B-2011		1			765153	02/24/23 16:44	PG	EET SAV
		Instrument ID: MANTECH 2								

## Client Sample ID: WAN-SWA-6

## Lab Sample ID: 680-230968-2

Date Collected: 02/22/23 12:06

Matrix: Water

Date Received: 02/23/23 06:30

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	125 mL	764701	02/23/23 12:42	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/25/23 00:29	BWR	EET SAV
		Instrument ID: ICPMSC								
Total/NA	Analysis	2320B-2011		1			765153	02/24/23 17:32	PG	EET SAV
		Instrument ID: MANTECH 2								

## Client Sample ID: WAN-SWC-5

## Lab Sample ID: 680-230968-3

Date Collected: 02/22/23 11:50

Matrix: Water

Date Received: 02/23/23 06:30

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	125 mL	764701	02/23/23 12:42	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/25/23 00:33	BWR	EET SAV
		Instrument ID: ICPMSC								
Total/NA	Analysis	2320B-2011		1			765305	02/27/23 19:00	PG	EET SAV
		Instrument ID: MANTECH 2								

## Client Sample ID: WAN-SWC-7

## Lab Sample ID: 680-230968-4

Date Collected: 02/22/23 12:23

Matrix: Water

Date Received: 02/23/23 06:30

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	125 mL	764701	02/23/23 12:42	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/25/23 00:37	BWR	EET SAV
		Instrument ID: ICPMSC								
Total/NA	Analysis	2320B-2011		1			765305	02/27/23 21:17	PG	EET SAV
		Instrument ID: MANTECH 2								

### Laboratory References:

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

# Accreditation/Certification Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill - Surface Waters

Job ID: 680-230968-2

## Laboratory: Eurofins Savannah

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

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

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# Method Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill - Surface Waters

Job ID: 680-230968-2

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

**Protocol References:**

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

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

**Laboratory References:**

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

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# Chain of Custody Record

<b>Client Information</b> Client Contact: <i>J. Johnson</i> SCS Contacts: <i>D. Johnson</i> Company: GA Power Address: 241 Ralph McGill Blvd SE City: Atlanta State: GA, Zip: 30308 Phone: 404-506-7116 (Tel) Email: 68027763 Project Name: Plant Wansley Landfill - Surface Waters Site:		Lab PM: <i>Fuller, David</i> E-Mail: <i>david.fuller@et.eurofinsus.com</i> Carrier Tracking No(s):		COC No: Page: <i>1 of 1</i> Job #:								
Due Date Requested: TAT Requested (days): Lab Project #: <i>68027763</i> PO #: Project #: SSOV#:		<b>Analysis Requested</b>										
Sample Identification	Sample Date (mm/dd/yy)	Sample Time (hh:mm)	Sample Type (C=Comp, G=grab)	Mark (W=Ground water, W=Surface water, W=Quality control)	Preservation Code	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	Cations Mg Na K	Total Carbonate Bicarbonate Alkalinity	Total Number of Containers	Task Code	Special Instructions/Note
WAN-SWA-1	02/22/23	1251	G	WS	WS	N	N	✓		2	WAN-CSURF-ASSMT-2023S1	ALK + 3 Cations (Report Separately)
WAN-SWA-6	02/22/23	1206	G	WS	WS	N	N	✓		2		
WAN-SWC-5	02/22/23	1150	G	WS	WS	N	N	✓		2		
WAN-SWC-7	02/22/23	1223	G	WS	WS	N	N	✓		2		
WAN-			G	WS	WS	N	N					
WAN-			G	WS	WS	N	N					
WAN-			G	WS	WS	N	N					
WAN-			G	WS	WS	N	N					
WAN-			G	WS	WS	N	N					
WAN-			G	WS	WS	N	N					
WAN-			G	WS	WS	N	N					
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological												
Deliverable Requested I II III IV Other (specify)												
Empty Kit Relinquished by												
Relinquished by <i>Justin Johnson</i> Date/Time: <i>2/22/23 1556</i> Company: <i>ACC</i>												
Relinquished by <i>David Ziegler</i> Date/Time: <i>02/22/23 1630</i> Company: <i>AWW</i>												
Relinquished by <i>David Ziegler</i> Date/Time: <i>02/22/23 1630</i> Company: <i>AWW</i>												
Custody Seals Intact: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cooler Temperature(s) °C and Other Remarks: <i>3.1</i>												

## Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-230968-2

**Login Number: 230968**

**List Number: 1**

**Creator: Padayao, Abigail**

**List Source: Eurofins Savannah**

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

## APPENDIX A

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*Laboratory Data Validations  
February 2023 Monitoring Event*

**LEVEL 2A LABORATORY DATA VALIDATIONS**

**Plant Wansley Landfill**

**Semiannual Event**

**February 2023**

## **Georgia Power Company – Plant Wansley Landfill**

### **Quality Control Review of Analytical Data – February 2023**

This narrative presents results of the Quality Control (QC) data review performed on analytical data submitted by Eurofins Environment Testing America, Savannah for groundwater and surface water samples collected at Plant Wansley Landfill (LF) between February 13, 2023 and February 22, 2023. The chemical data were reviewed to identify quality issues which could affect the use of the data for decision-making purposes.

Information regarding the primary sample locations, analytical parameters, QC samples, sampling dates, and laboratory sample delivery group (SDG) designations is summarized in Table 1 of this Appendix. Work order 680-230803-1 was revised for the lab to include QC data that was missing from the original submittal. Work order 680-230973-1 was revised for the lab to correct an errant sample result discovered by reanalysis.

In accordance with groundwater monitoring and corrective action procedures discussed in the Georgia Environmental Protection Division Rules for Solid Waste Management 391-3-4.-14 and 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, assessment monitoring constituents listed in 40 CFR, Part 257, Appendix IV, and permit-required metals listed in 40 CFR, Part 258, Appendix I. Test methods included Inductively Coupled Plasma – Mass Spectrometry (US EPA Method 6020B), Mercury in Liquid Wastes (US EPA Method 7470A), Determination of Inorganic Anions (US EPA Method 300.0), and Solids in Water (Standard Methods 2540C).

Data were reviewed in accordance with the US EPA Region 4 Data Validation Standard Operating Procedures for Contract Laboratory Program Inorganic Data by Inductively Coupled Plasma – Atomic Emission Spectroscopy and Inductively Coupled Plasma – Mass Spectroscopy (September 2011, Rev. 2.0)<sup>1</sup> and the National Functional Guidelines for Inorganic Superfund Methods Data Review (January 2017)<sup>2</sup>. The review included an assessment of the results for completeness, precision (laboratory duplicate recoveries and matrix spike/matrix spike duplicate recoveries), accuracy (laboratory control samples and matrix spike samples), and blank contamination (field, equipment, and laboratory blanks). Sample receipt conditions, holding times, and chains of custody were reviewed. If there was a discrepancy between the QC criteria in the guidelines and the QC criterion established in the analytical methodology, method-specific criteria or professional judgment were used.

## DATA QUALITY OBJECTIVES

- Laboratory Precision:** Laboratory goals for precision were met, except for total dissolved solids (TDS) on WAN-GWC-5 (680-230973-1) as described in the qualifications section below.
- Field Precision:** Field goals for precision were met, except for zinc on WAN-GWC-20 (680-230973-24) as described in the qualifications section below.
- Accuracy:** Laboratory goals for accuracy were met, except for calcium, boron, copper, selenium, and vanadium on WAN-GWC-5 (680-230973-1) 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 WAN-GWC-20 (680-230973-24) and WAN-LF-FD-05 (680-230973-26) were qualified as estimated (J) for zinc as the field relative percent difference (RPD) exceeded QC criteria (22.2% above limit of 20).

- Sample WAN-GWC-5 (680-230973-1) was qualified as estimated (J) for calcium as the matrix spike (MS) and matrix spike duplicate (MSD) recoveries were outside QC criteria (61% below the range of 75-125 and 193% above the range of 75-125, respectively).
- Sample WAN-GWC-5 (680-230973-1) was qualified as estimated (J) for boron, copper, selenium, and vanadium as the MSD recoveries were outside QC criteria (126%, 129%, 126%, and 126%, respectively, above the range of 75-125).
- Sample WAN-GWC-5 (680-230973-1) was qualified as estimated (J) for TDS as the laboratory RPD exceeded QC criteria (9% above limit of 5).
- Certain boron 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 an order of magnitude above the RL, the sample result was qualified as estimated (J) as part of the qualification process.

Atlantic Coast Consulting, Inc. reviewed the laboratory data from the Plant Wansley LF sampled between February 13, 2023 and February 22, 2023 in accordance with the analytical methods, the laboratory-specified QC criteria, and the guidelines. As described above, the results were acceptable for project use.

## REFERENCES

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

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



Plant Wansley CCR Landfill  
2023 Semiannual Groundwater Monitoring and Corrective Action Report

TABLE 1  
Georgia Power Company – Plant Wansley Landfill  
Sample Summary Table – February 2023

SDG	Field Identification	Collection Date	Lab Identification	Matrix	QC Samples	Analyses		
						Metals (6020, 7470A)	Anions (300.0)	TDS (SM 2540C)
230703-1	WAN-GWA-29	02/13/23	680-230703-1	WG		X	X	X
230703-1	WAN-GWA-1	02/14/23	680-230703-2	WG		X	X	X
230703-1	WAN-GWA-2	02/14/23	680-230703-3	WG		X	X	X
230703-1	WAN-GWA-3	02/14/23	680-230703-4	WG		X	X	X
230703-1	WAN-GWA-4	02/14/23	680-230703-5	WG		X	X	X
230703-1	WAN-GWA-28	02/14/23	680-230703-6	WG		X	X	X
230703-1	WAN-GWC-22	02/14/23	680-230703-7	WG		X	X	X
230703-1	WAN-GWC-30	02/14/23	680-230703-8	WG		X	X	X
230703-1	WAN-GWC-10	02/15/23	680-230703-9	WG		X	X	X
230703-1	WAN-GWC-12	02/15/23	680-230703-10	WG		X	X	X
230703-1	WAN-LF-EB-04	02/15/23	680-230703-11	WQ	EB	X	X	X
230703-1	WAN-GWC-32	02/15/23	680-230703-12	WG		X	X	X
230703-1	WAN-GWC-8	02/15/23	680-230703-13	WG		X	X	X
230703-1	WAN-GWC-9	02/15/23	680-230703-14	WG		X	X	X
230803-1	WAN-GWC-24	02/16/23	680-230803-1	WG		X	X	X
230803-1	WAN-LF-FB-10	02/16/23	680-230803-2	WQ	FB	X	X	X
230803-1	WAN-GWC-14	02/17/23	680-230803-3	WG		X	X	X
230973-1	WAN-GWC-5	02/20/23	680-230973-1	WG		X	X	X
230973-1	WAN-GWC-6	02/20/23	680-230973-2	WG		X	X	X
230973-1	WAN-GWC-16	02/20/23	680-230973-3	WG		X	X	X
230973-1	WAN-GWC-17	02/20/23	680-230973-4	WG		X	X	X
230973-1	WAN-GWC-27	02/20/23	680-230973-5	WG		X	X	X
230973-1	WAN-GWC-33	02/20/23	680-230973-6	WG		X	X	X
230973-1	WAN-GWC-34	02/20/23	680-230973-7	WG		X	X	X
230973-1	WAN-GWC-35	02/20/23	680-230973-8	WG		X	X	X
230973-1	WAN-GWC-18	02/20/23	680-230973-9	WG		X	X	X
230973-1	WAN-LF-FD-04	02/20/23	680-230973-10	WG	FD (WAN-GWC-5)	X	X	X
230973-1	WAN-LF-EB-05	02/20/23	680-230973-11	WQ	EB	X	X	X

Abbreviations:

EB – Equipment Blank  
FB – Field Blank  
FD – Field Duplicate  
QC – Quality Control  
SDG – Sample Delivery Group

WS – Surface Water  
TDS – Total Dissolved Solids  
WG – Groundwater  
WQ – Water Quality Control

Plant Wansley CCR Landfill  
 2023 Semiannual Groundwater Monitoring and Corrective Action Report

TABLE 1 (continued)

Georgia Power Company – Plant Wansley Landfill

Sample Summary Table – February 2023

SDG	Field Identification	Collection Date	Lab Identification	Matrix	QC Samples	Analyses		
						Metals (6020, 7470A)	Anions (300.0)	TDS (SM 2540C)
230973-1	WAN-GWC-7	02/21/23	680-230973-12	WG		X	X	X
230973-1	WAN-GWC-11	02/21/23	680-230973-13	WG		X	X	X
230973-1	WAN-GWC-13	02/21/23	680-230973-14	WG		X	X	X
230973-1	WAN-GWC-15	02/21/23	680-230973-15	WG		X	X	X
230973-1	WAN-GWC-19	02/21/23	680-230973-16	WG		X	X	X
230973-1	WAN-GWC-21	02/21/23	680-230973-17	WG		X	X	X
230973-1	WAN-GWC-23	02/21/23	680-230973-18	WG		X	X	X
230973-1	WAN-GWC-25	02/21/23	680-230973-19	WG		X	X	X
230973-1	WAN-GWC-26	02/21/23	680-230973-20	WG		X	X	X
230973-1	WAN-LF-FB-11	02/21/23	680-230973-21	WQ	FB	X	X	X
230973-1	WAN-LF-EB-06	02/21/23	680-230973-22	WQ	EB	X	X	X
230973-1	WAN-GWC-31	02/22/23	680-230973-23	WG		X	X	X
230973-1	WAN-GWC-20	02/22/23	680-230973-24	WG		X	X	X
230973-1	WAN-LF-EB-07	02/22/23	680-230973-25	WQ	EB	X	X	X
230973-1	WAN-LF-FD-05	02/22/23	680-230973-26	WG	FD (WAN-GWC-20)	X	X	X
230968-1	WAN-SWA-1	02/22/23	680-230968-1	WS		X	X	X
230968-1	WAN-SWA-6	02/22/23	680-230968-2	WS		X	X	X
230968-1	WAN-SWC-5	02/22/23	680-230968-3	WS		X	X	X
230968-1	WAN-SWC-7	02/22/23	680-230968-4	WS		X	X	X

Abbreviations:

EB – Equipment Blank  
 FB – Field Blank  
 FD – Field Duplicate  
 QC – Quality Control  
 SDG – Sample Delivery Group

WS – Surface Water  
 TDS – Total Dissolved Solids  
 WG – Groundwater  
 WQ – Water Quality Control

Plant Wansley CCR Landfill  
 2023 Semiannual Groundwater Monitoring and Corrective Action Report

TABLE 2  
 Georgia Power Company – Plant Wansley Landfill  
 Qualifier Summary Table – February 2023

SDG	Field Identification	Constituent	New RL	New MDL or MDC	Qualifier	Reason
230803-1	WAN-GWC-24	Boron		0.036	ND	Blank detection
230803-1	WAN-LF-FB-10	Boron		0.039	ND	Blank detection
230803-1	WAN-GWC-14	Boron			J	Blank detection
230973-1	WAN-GWC-20	Zinc			J	RPD exceeds field goal
230973-1	WAN-LF-FD-05	Zinc			J	RPD exceeds field goal
230973-1	WAN-GWC-5	TDS			J	RPD exceeds lab goal
230973-1	WAN-GWC-5	Calcium			J	MS/MSD outside QC criteria
230973-1	WAN-GWC-5	Boron			J	MSD outside QC criteria
230973-1	WAN-GWC-5	Copper			J	MSD outside QC criteria
230973-1	WAN-GWC-5	Selenium			J	MSD outside QC criteria
230973-1	WAN-GWC-5	Vanadium			J	MSD outside QC criteria

Abbreviations:

CCV – Continuing Calibration Verification  
 LCS – Laboratory Control Sample  
 MB – Laboratory Method Blank  
 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

**LEVEL 2A LABORATORY DATA VALIDATIONS**

**Plant Wansley Landfill**

**Major Ions Event**

**February 2023**

## **Georgia Power Company – Plant Wansley Landfill**

### **Quality Control Review of Analytical Data – February 2023**

This narrative presents results of the Quality Control (QC) data review performed on analytical data submitted by Eurofins Environment Testing America, Savannah for groundwater and surface water samples collected at Plant Wansley Landfill (LF) between February 13, 2023 and February 22, 2023. The chemical data were reviewed to identify quality issues which could affect the use of the data for decision-making purposes.

Information regarding the primary sample locations, analytical parameters, QC samples, sampling dates, and laboratory sample delivery group (SDG) designations is summarized in Table 1 of this Appendix.

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

Data were reviewed in accordance with the US EPA Region 4 Data Validation Standard Operating Procedures for Contract Laboratory Program Inorganic Data by Inductively Coupled Plasma – Atomic Emission Spectroscopy and Inductively Coupled Plasma – Mass Spectroscopy (September 2011, Rev. 2.0)<sup>1</sup> and the National Functional Guidelines for Inorganic Superfund Methods Data Review (January 2017)<sup>2</sup>. The review included an assessment of the results for completeness, precision (laboratory duplicate recoveries and matrix spike/matrix spike duplicate recoveries), accuracy (laboratory control samples and matrix spike samples), and blank contamination (laboratory blanks). Sample receipt conditions, holding times, and chains of custody were reviewed. If there was a discrepancy between the QC criteria in the guidelines and the QC criterion established in the analytical methodology, method-specific criteria or professional judgment were used.

## DATA QUALITY OBJECTIVES

<b>Laboratory Precision:</b>	Laboratory goals for precision were met.
<b>Field Precision:</b>	Field goals for precision were not applicable to this sampling event.
<b>Accuracy:</b>	Laboratory goals for accuracy were met, except for magnesium and sodium on WAN-GWC-5 (680-230973-1) as described in the qualifications section below.
<b>Detection Limits:</b>	Project goals for detection limits were met.
<b>Completeness:</b>	There were no rejected analytical results for this event, resulting in a completion of 100%.
<b>Holding Times:</b>	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:

<b>J:</b>	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.
<b>ND:</b>	The analyte was not detected above the method detection limit.

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

- Sample WAN-GWC-5 (680-230973-1) was qualified as estimated (J) for magnesium and sodium as the matrix spike duplicate (MSD) recoveries were outside QC criteria (192%, and 146%, respectively, above the range of 75-125).

Atlantic Coast Consulting, Inc. reviewed the laboratory data from the Plant Wansley LF sampled between February 13, 2023 and February 22, 2023 in accordance with the analytical methods, the laboratory-specified QC criteria, and the guidelines. As described above, the results were acceptable for project use.

## **REFERENCES**

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

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

Plant Wansley CCR Landfill  
 2023 Semiannual Groundwater Monitoring and Corrective Action Report

TABLE 1  
 Georgia Power Company – Plant Wansley Landfill  
 Sample Summary Table – February 2023

SDG	Field Identification	Collection Date	Lab Identification	Matrix	QC Samples	Analyses	
						Metals (6020)	Alkalinity (SM 2320B)
230703-2	WAN-GWA-29	02/13/23	680-230703-1	WG		X	X
230703-2	WAN-GWA-1	02/14/23	680-230703-2	WG		X	X
230703-2	WAN-GWA-2	02/14/23	680-230703-3	WG		X	X
230703-2	WAN-GWA-3	02/14/23	680-230703-4	WG		X	X
230703-2	WAN-GWA-4	02/14/23	680-230703-5	WG		X	X
230703-2	WAN-GWA-28	02/14/23	680-230703-6	WG		X	X
230703-2	WAN-GWC-22	02/14/23	680-230703-7	WG		X	X
230703-2	WAN-GWC-30	02/14/23	680-230703-8	WG		X	X
230703-2	WAN-GWC-10	02/15/23	680-230703-9	WG		X	X
230703-2	WAN-GWC-12	02/15/23	680-230703-10	WG		X	X
230703-2	WAN-GWC-32	02/15/23	680-230703-12	WG		X	X
230703-2	WAN-GWC-8	02/15/23	680-230703-13	WG		X	X
230703-2	WAN-GWC-9	02/15/23	680-230703-14	WG		X	X
230803-2	WAN-GWC-24	02/16/23	680-230803-1	WG		X	X
230803-2	WAN-GWC-14	02/17/23	680-230803-3	WG		X	X
230973-2	WAN-GWC-5	02/20/23	680-230973-1	WG		X	X
230973-2	WAN-GWC-6	02/20/23	680-230973-2	WG		X	X
230973-2	WAN-GWC-16	02/20/23	680-230973-3	WG		X	X
230973-2	WAN-GWC-17	02/20/23	680-230973-4	WG		X	X
230973-2	WAN-GWC-27	02/20/23	680-230973-5	WG		X	X
230973-2	WAN-GWC-33	02/20/23	680-230973-6	WG		X	X
230973-2	WAN-GWC-34	02/20/23	680-230973-7	WG		X	X
230973-2	WAN-GWC-35	02/20/23	680-230973-8	WG		X	X
230973-2	WAN-GWC-18	02/20/23	680-230973-9	WG		X	X

Abbreviations:  
 EB – Equipment Blank  
 FB – Field Blank  
 FD – Field Duplicate  
 QC – Quality Control  
 SDG – Sample Delivery Group

WS – Surface Water  
 TDS – Total Dissolved Solids  
 WG – Groundwater  
 WQ – Water Quality Control



Plant Wansley CCR Landfill  
 2023 Semiannual Groundwater Monitoring and Corrective Action Report

TABLE 1 (continued)

Georgia Power Company – Plant Wansley Landfill

Sample Summary Table – February 2023

SDG	Field Identification	Collection Date	Lab Identification	Matrix	QC Samples	Analyses	
						Metals (6020)	Alkalinity (SM 2320B)
230973-2	WAN-GWC-7	02/21/23	680-230973-12	WG		X	X
230973-2	WAN-GWC-11	02/21/23	680-230973-13	WG		X	X
230973-2	WAN-GWC-13	02/21/23	680-230973-14	WG		X	X
230973-2	WAN-GWC-15	02/21/23	680-230973-15	WG		X	X
230973-2	WAN-GWC-19	02/21/23	680-230973-16	WG		X	X
230973-2	WAN-GWC-21	02/21/23	680-230973-17	WG		X	X
230973-2	WAN-GWC-23	02/21/23	680-230973-18	WG		X	X
230973-2	WAN-GWC-25	02/21/23	680-230973-19	WG		X	X
230973-2	WAN-GWC-26	02/21/23	680-230973-20	WG		X	X
230973-2	WAN-GWC-31	02/22/23	680-230973-23	WG		X	X
230973-2	WAN-GWC-20	02/22/23	680-230973-24	WG		X	X
230968-2	WAN-SWA-1	02/22/23	680-230968-1	WS		X	X
230968-2	WAN-SWA-6	02/22/23	680-230968-2	WS		X	X
230968-2	WAN-SWC-5	02/22/23	680-230968-3	WS		X	X
230968-2	WAN-SWC-7	02/22/23	680-230968-4	WS		X	X

Abbreviations:

EB – Equipment Blank  
 FB – Field Blank  
 FD – Field Duplicate  
 QC – Quality Control  
 SDG – Sample Delivery Group

WS – Surface Water  
 TDS – Total Dissolved Solids  
 WG – Groundwater  
 WQ – Water Quality Control

Plant Wansley CCR Landfill  
 2023 Semiannual Groundwater Monitoring and Corrective Action Report

TABLE 2  
 Georgia Power Company – Plant Wansley Landfill  
 Qualifier Summary Table – February 2023

SDG	Field Identification	Constituent	New RL	New MDL or MDC	Qualifier	Reason
230973-2	WAN-GWC-5	Magnesium			J	MSD outside QC criteria
230973-2	WAN-GWC-5	Sodium			J	MSD outside QC criteria

Abbreviations:

LCS – Laboratory Control Sample  
 MB – Laboratory Method Blank  
 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

Qualifiers:

J – Estimated Result

## APPENDIX A

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*Field Sampling Reports  
February 2023 Monitoring Event*

# Low-Flow Test Report:

Test Date / Time: 2/14/2023 1:45:46 PM

Project: Plant Wansley Landfill

Operator Name: D. Johnson

<b>Location Name: GWA-1</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 39.13 ft</b> <b>Total Depth: 49.13 ft</b> <b>Initial Depth to Water: 20.56 ft</b>	<b>Pump Type: Peri. Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 44 ft</b> <b>Estimated Total Volume Pumped: 3 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 100 ml/min</b> <b>Final Draw Down: 22.08 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965678</b>
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## Test Notes:

Sample time 1415. Sunny, 68 degrees F.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 5	+/- 100	+/- 0.3	
2/14/2023 1:45 PM	00:00	5.70 pH	21.42 °C	20.72 µS/cm	6.40 mg/L	3.03 NTU	111.8 mV	20.56 ft	100.00 ml/min
2/14/2023 1:50 PM	05:00	5.58 pH	17.59 °C	21.20 µS/cm	6.62 mg/L	2.67 NTU	130.0 mV	21.59 ft	100.00 ml/min
2/14/2023 1:55 PM	10:00	5.58 pH	17.38 °C	21.29 µS/cm	6.62 mg/L	2.63 NTU	121.3 mV	22.00 ft	100.00 ml/min
2/14/2023 2:00 PM	15:00	5.58 pH	17.46 °C	21.32 µS/cm	6.47 mg/L	2.54 NTU	117.7 mV	22.20 ft	100.00 ml/min
2/14/2023 2:05 PM	20:00	5.57 pH	17.48 °C	21.28 µS/cm	6.53 mg/L	2.94 NTU	115.2 mV	22.40 ft	100.00 ml/min
2/14/2023 2:10 PM	25:00	5.58 pH	17.63 °C	21.32 µS/cm	6.46 mg/L	2.59 NTU	87.9 mV	22.40 ft	100.00 ml/min
2/14/2023 2:15 PM	30:00	5.56 pH	17.47 °C	21.32 µS/cm	6.32 mg/L	2.73 NTU	87.2 mV	22.40 ft	100.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 2/14/2023 12:30:06 PM

Project: Plant Wansley Landfill

Operator Name: D. Johnson

<b>Location Name: GWA-2</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 50.07 ft</b> <b>Total Depth: 60.07 ft</b> <b>Initial Depth to Water: 43.97 ft</b>	<b>Pump Type: Dedicated Bladder Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 55 ft</b> <b>Estimated Total Volume Pumped: 4.5 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 150 ml/min</b> <b>Final Draw Down: 1.56 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965678</b>
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## Test Notes:

Sample time 1300. Sunny, 65 degrees F.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 5	+/- 100	+/- 0.3	
2/14/2023 12:30 PM	00:00	6.00 pH	16.56 °C	55.88 µS/cm	8.04 mg/L	0.35 NTU	102.8 mV	43.97 ft	150.00 ml/min
2/14/2023 12:35 PM	05:00	5.66 pH	16.90 °C	48.82 µS/cm	7.47 mg/L	0.30 NTU	89.7 mV	44.00 ft	150.00 ml/min
2/14/2023 12:40 PM	10:00	5.61 pH	16.87 °C	48.33 µS/cm	7.39 mg/L	0.72 NTU	89.1 mV	44.10 ft	150.00 ml/min
2/14/2023 12:45 PM	15:00	5.64 pH	16.89 °C	47.64 µS/cm	7.38 mg/L	0.27 NTU	84.8 mV	44.10 ft	150.00 ml/min
2/14/2023 12:50 PM	20:00	5.64 pH	16.87 °C	47.99 µS/cm	7.33 mg/L	0.19 NTU	83.9 mV	44.10 ft	150.00 ml/min
2/14/2023 12:55 PM	25:00	5.66 pH	16.95 °C	47.87 µS/cm	7.34 mg/L	0.25 NTU	83.0 mV	44.10 ft	150.00 ml/min
2/14/2023 1:00 PM	30:00	5.64 pH	17.01 °C	47.68 µS/cm	7.29 mg/L	0.24 NTU	83.4 mV	44.10 ft	150.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

**Test Date / Time:** 2/14/2023 10:22:05 AM

**Project:** Plant Wansley Landfill

**Operator Name:** D. Johnson

<b>Location Name: GWA-3</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 21.07 ft</b> <b>Total Depth: 31.07 ft</b> <b>Initial Depth to Water: 24.19 ft</b>	<b>Pump Type: Peri. Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 26 ft</b> <b>Estimated Total Volume Pumped: 12.75 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 150 ml/min</b> <b>Final Draw Down: 38.5 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965678</b>
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## Test Notes:

3 well volumes = 12.7 liters. Sample time 1147. Sunny, 59 degrees F.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 5	+/- 100	+/- 0.3	
2/14/2023 10:22 AM	00:00	6.20 pH	13.23 °C	287.35 µS/cm	5.37 mg/L	6.85 NTU	119.3 mV	24.19 ft	150.00 ml/min
2/14/2023 10:27 AM	05:00	5.96 pH	14.05 °C	273.60 µS/cm	3.98 mg/L	6.22 NTU	96.3 mV	24.60 ft	150.00 ml/min
2/14/2023 10:32 AM	10:00	5.89 pH	14.54 °C	260.50 µS/cm	4.58 mg/L	5.57 NTU	121.1 mV	24.80 ft	150.00 ml/min
2/14/2023 10:37 AM	15:00	5.85 pH	14.67 °C	250.77 µS/cm	4.97 mg/L	5.42 NTU	90.8 mV	24.80 ft	150.00 ml/min
2/14/2023 10:42 AM	20:00	5.82 pH	14.85 °C	251.86 µS/cm	4.99 mg/L	3.54 NTU	88.9 mV	25.30 ft	150.00 ml/min
2/14/2023 10:47 AM	25:00	5.80 pH	15.03 °C	253.36 µS/cm	4.40 mg/L	3.01 NTU	87.6 mV	25.60 ft	150.00 ml/min
2/14/2023 10:52 AM	30:00	5.80 pH	14.87 °C	251.44 µS/cm	4.24 mg/L	2.60 NTU	86.3 mV	25.90 ft	150.00 ml/min
2/14/2023 10:57 AM	35:00	5.80 pH	14.98 °C	249.98 µS/cm	4.73 mg/L	3.42 NTU	85.3 mV	26.20 ft	150.00 ml/min
2/14/2023 11:02 AM	40:00	5.91 pH	14.99 °C	267.60 µS/cm	4.27 mg/L	4.95 NTU	106.9 mV	26.20 ft	150.00 ml/min
2/14/2023 11:07 AM	45:00	5.80 pH	14.94 °C	248.94 µS/cm	4.88 mg/L	3.67 NTU	85.9 mV	26.50 ft	150.00 ml/min
2/14/2023 11:12 AM	50:00	5.80 pH	14.99 °C	246.73 µS/cm	5.06 mg/L	3.41 NTU	84.6 mV	26.80 ft	150.00 ml/min
2/14/2023 11:17 AM	55:00	5.74 pH	15.21 °C	244.28 µS/cm	5.51 mg/L	3.38 NTU	84.4 mV	26.80 ft	150.00 ml/min
2/14/2023 11:22 AM	01:00:00	5.67 pH	15.36 °C	239.88 µS/cm	5.62 mg/L	2.44 NTU	84.4 mV	27.20 ft	150.00 ml/min
2/14/2023 11:27 AM	01:05:00	5.61 pH	15.44 °C	240.28 µS/cm	5.63 mg/L	1.84 NTU	84.3 mV	27.40 ft	150.00 ml/min
2/14/2023 11:32 AM	01:10:00	5.59 pH	15.49 °C	241.16 µS/cm	5.65 mg/L	1.81 NTU	105.8 mV	27.40 ft	150.00 ml/min

2/14/2023 11:37 AM	01:15:00	5.57 pH	15.57 °C	241.21 µS/cm	5.58 mg/L	1.31 NTU	85.5 mV	27.40 ft	150.00 ml/min
2/14/2023 11:42 AM	01:20:00	5.53 pH	15.71 °C	243.90 µS/cm	5.52 mg/L	1.22 NTU	85.5 mV	27.40 ft	150.00 ml/min
2/14/2023 11:47 AM	01:25:00	5.53 pH	15.89 °C	245.22 µS/cm	5.43 mg/L	1.28 NTU	85.4 mV	27.40 ft	150.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

**Test Date / Time:** 2/14/2023 12:10:04 PM

**Project:** Plant Wansley Landfill

**Operator Name:** Toby Johnson

<b>Location Name: GWA-4</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 30.61 ft</b> <b>Total Depth: 40.61 ft</b> <b>Initial Depth to Water: 22.77 ft</b>	<b>Pump Type: Peri Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 35 ft</b> <b>Estimated Total Volume Pumped: 12.155 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 220 ml/min</b> <b>Final Draw Down: 2.76 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965658</b>
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## Test Notes:

Sunny, sampled at 1305

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 10 %	+/- 10	+/- 100	+/- 5	
2/14/2023 12:10 PM	00:00	6.20 pH	16.96 °C	234.70 µS/cm	1.88 mg/L	28.30 NTU	115.1 mV	22.77 ft	220.00 ml/min
2/14/2023 12:15 PM	05:00	6.13 pH	16.30 °C	219.13 µS/cm	0.33 mg/L	26.10 NTU	96.6 mV	22.90 ft	220.00 ml/min
2/14/2023 12:20 PM	10:00	6.15 pH	16.62 °C	214.74 µS/cm	0.26 mg/L	13.70 NTU	92.5 mV	23.00 ft	220.00 ml/min
2/14/2023 12:25 PM	15:00	6.17 pH	16.52 °C	214.32 µS/cm	0.24 mg/L	12.20 NTU	90.0 mV	23.00 ft	220.00 ml/min
2/14/2023 12:30 PM	20:00	6.16 pH	16.48 °C	221.70 µS/cm	0.21 mg/L	9.90 NTU	87.5 mV	23.00 ft	220.00 ml/min
2/14/2023 12:35 PM	25:00	6.58 pH	16.58 °C	200.40 µS/cm	2.88 mg/L	4.12 NTU	77.5 mV	23.00 ft	220.00 ml/min
2/14/2023 12:36 PM	25:59	6.55 pH	16.56 °C	203.97 µS/cm	3.27 mg/L	4.15 NTU	80.1 mV	23.00 ft	220.00 ml/min
2/14/2023 12:41 PM	30:59	6.25 pH	16.62 °C	213.13 µS/cm	1.69 mg/L	5.74 NTU	86.2 mV	23.00 ft	220.00 ml/min
2/14/2023 12:45 PM	35:15	6.16 pH	16.64 °C	236.43 µS/cm	0.77 mg/L	9.67 NTU	88.0 mV	23.00 ft	220.00 ml/min
2/14/2023 12:50 PM	40:15	6.79 pH	16.75 °C	193.62 µS/cm	5.55 mg/L	4.72 NTU	70.1 mV	23.00 ft	220.00 ml/min
2/14/2023 12:55 PM	45:15	6.17 pH	16.75 °C	243.19 µS/cm	0.80 mg/L	6.14 NTU	73.6 mV	23.00 ft	220.00 ml/min
2/14/2023 1:00 PM	50:15	6.19 pH	16.67 °C	236.73 µS/cm	0.43 mg/L	4.50 NTU	66.4 mV	23.00 ft	220.00 ml/min
2/14/2023 1:05 PM	55:15	6.20 pH	16.68 °C	231.89 µS/cm	0.31 mg/L	4.49 NTU	63.1 mV	23.00 ft	220.00 ml/min

## Samples



# Low-Flow Test Report:

Test Date / Time: 2/20/2023 9:05:04 AM

Project: Plant Wansley Landfill

Operator Name: Toby Johnson

<b>Location Name: GWC-5</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 30.68 ft</b> <b>Total Depth: 40.68 ft</b> <b>Initial Depth to Water: 14.01 ft</b>	<b>Pump Type: Peri Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 35 ft</b> <b>Estimated Total Volume Pumped: 14 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 39.48 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965658</b>
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## Test Notes:

Sunny, sampled at 1015, WAN-LF-FD-04 here

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 10 %	+/- 10	+/- 100	+/- 5	
2/20/2023 9:05 AM	00:00	6.66 pH	14.36 °C	309.49 µS/cm	3.08 mg/L	12.90 NTU	98.1 mV	14.01 ft	200.00 ml/min
2/20/2023 9:10 AM	05:00	6.35 pH	16.29 °C	278.92 µS/cm	1.14 mg/L	9.76 NTU	71.0 mV	15.80 ft	200.00 ml/min
2/20/2023 9:15 AM	10:00	6.43 pH	16.92 °C	275.72 µS/cm	2.90 mg/L	5.98 NTU	69.6 mV	16.00 ft	200.00 ml/min
2/20/2023 9:20 AM	15:00	6.40 pH	17.11 °C	275.23 µS/cm	2.53 mg/L	3.30 NTU	70.0 mV	16.20 ft	200.00 ml/min
2/20/2023 9:25 AM	20:00	6.36 pH	17.37 °C	276.33 µS/cm	2.16 mg/L	1.61 NTU	70.5 mV	16.50 ft	200.00 ml/min
2/20/2023 9:30 AM	25:00	6.34 pH	17.49 °C	274.98 µS/cm	1.65 mg/L	1.03 NTU	70.5 mV	16.60 ft	200.00 ml/min
2/20/2023 9:35 AM	30:00	6.35 pH	17.44 °C	278.44 µS/cm	1.54 mg/L	1.02 NTU	70.4 mV	16.70 ft	200.00 ml/min
2/20/2023 9:40 AM	35:00	6.32 pH	17.59 °C	279.32 µS/cm	1.26 mg/L	1.29 NTU	70.9 mV	16.80 ft	200.00 ml/min
2/20/2023 9:45 AM	40:00	6.30 pH	17.60 °C	282.31 µS/cm	0.92 mg/L	0.47 NTU	70.9 mV	16.90 ft	200.00 ml/min
2/20/2023 9:50 AM	45:00	6.32 pH	17.70 °C	281.77 µS/cm	1.03 mg/L	0.81 NTU	70.7 mV	17.00 ft	200.00 ml/min
2/20/2023 9:55 AM	50:00	6.28 pH	17.81 °C	281.58 µS/cm	0.74 mg/L	0.47 NTU	70.8 mV	17.10 ft	200.00 ml/min
2/20/2023 10:00 AM	55:00	6.27 pH	18.08 °C	281.29 µS/cm	0.63 mg/L	0.53 NTU	70.4 mV	17.20 ft	200.00 ml/min
2/20/2023 10:05 AM	01:00:00	6.28 pH	18.10 °C	280.92 µS/cm	0.84 mg/L	0.61 NTU	70.8 mV	17.30 ft	200.00 ml/min
2/20/2023 10:10 AM	01:05:00	6.29 pH	18.12 °C	279.35 µS/cm	0.84 mg/L	0.67 NTU	70.6 mV	17.30 ft	200.00 ml/min
2/20/2023 10:15 AM	01:10:00	6.28 pH	18.29 °C	281.72 µS/cm	0.77 mg/L	0.50 NTU	70.0 mV	17.30 ft	200.00 ml/min

# Low-Flow Test Report:

Test Date / Time: 2/20/2023 10:55:16 AM

Project: Plant Wansley Landfill

Operator Name: Toby Johnson

<b>Location Name: GWC-6</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 21.08 ft</b> <b>Total Depth: 31.08 ft</b> <b>Initial Depth to Water: 16 ft</b>	<b>Pump Type: Peri Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 26 ft</b> <b>Estimated Total Volume Pumped: 7 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 4.8 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965658</b>
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## Test Notes:

Sunny, sampled at 1130

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 10 %	+/- 10	+/- 100	+/- 5	
2/20/2023 10:55 AM	00:00	5.92 pH	19.89 °C	135.82 µS/cm	1.83 mg/L	5.32 NTU	117.5 mV	16.00 ft	200.00 ml/min
2/20/2023 11:00 AM	05:00	5.92 pH	19.10 °C	139.45 µS/cm	1.78 mg/L	3.78 NTU	170.4 mV	16.30 ft	200.00 ml/min
2/20/2023 11:05 AM	10:00	5.92 pH	19.14 °C	159.40 µS/cm	1.24 mg/L	2.31 NTU	156.7 mV	16.30 ft	200.00 ml/min
2/20/2023 11:10 AM	15:00	5.92 pH	19.19 °C	161.53 µS/cm	1.07 mg/L	1.90 NTU	141.6 mV	16.30 ft	200.00 ml/min
2/20/2023 11:15 AM	20:00	5.92 pH	19.24 °C	170.92 µS/cm	0.96 mg/L	1.87 NTU	137.4 mV	16.30 ft	200.00 ml/min
2/20/2023 11:20 AM	25:00	5.93 pH	19.36 °C	180.08 µS/cm	0.74 mg/L	1.23 NTU	129.6 mV	16.30 ft	200.00 ml/min
2/20/2023 11:25 AM	30:00	5.94 pH	19.37 °C	183.93 µS/cm	0.61 mg/L	1.38 NTU	124.7 mV	16.40 ft	200.00 ml/min
2/20/2023 11:30 AM	35:00	5.94 pH	19.44 °C	187.35 µS/cm	0.46 mg/L	0.77 NTU	120.0 mV	16.40 ft	200.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 2/21/2023 1:46:26 PM

Project: Plant Wansley Landfill

Operator Name: D. Johnson

<b>Location Name: GWC-7</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 15.9 ft</b> <b>Total Depth: 25.9 ft</b> <b>Initial Depth to Water: 7.37 ft</b>	<b>Pump Type: Peri Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 20 ft</b> <b>Estimated Total Volume Pumped: 3 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 100 ml/min</b> <b>Final Draw Down: 19.5 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965678</b>
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## Test Notes:

Rain, 69 degrees F. Sample time 1416

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 5	+/- 100	+/- 0.3	
2/21/2023 1:46 PM	00:00	6.47 pH	20.71 °C	593.98 µS/cm	4.21 mg/L	0.67 NTU	132.8 mV	7.37 ft	100.00 ml/min
2/21/2023 1:51 PM	05:00	6.49 pH	17.90 °C	622.97 µS/cm	0.82 mg/L	0.40 NTU	190.1 mV	8.90 ft	100.00 ml/min
2/21/2023 1:56 PM	10:00	6.49 pH	17.69 °C	626.15 µS/cm	0.76 mg/L	0.96 NTU	232.7 mV	9.00 ft	100.00 ml/min
2/21/2023 2:01 PM	15:00	6.50 pH	17.72 °C	625.17 µS/cm	0.75 mg/L	0.98 NTU	261.6 mV	9.00 ft	100.00 ml/min
2/21/2023 2:06 PM	20:00	6.50 pH	18.03 °C	625.81 µS/cm	0.74 mg/L	0.80 NTU	272.6 mV	9.00 ft	100.00 ml/min
2/21/2023 2:11 PM	25:00	6.49 pH	18.39 °C	634.21 µS/cm	0.73 mg/L	0.88 NTU	284.2 mV	9.00 ft	100.00 ml/min
2/21/2023 2:16 PM	30:00	6.50 pH	18.62 °C	622.11 µS/cm	0.69 mg/L	0.25 NTU	286.5 mV	9.00 ft	100.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 2/15/2023 2:15:06 PM

Project: Plant Wansley Landfill

Operator Name: D. Johnson

<b>Location Name: GWC-8</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 10.67 ft</b> <b>Total Depth: 20.67 ft</b> <b>Initial Depth to Water: 8.44 ft</b>	<b>Pump Type: Peri Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 15 ft</b> <b>Estimated Total Volume Pumped: 8 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 13.92 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965678</b>
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## Test Notes:

Cloudy, 70 degrees F. Sample time 1455.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 5	+/- 100	+/- 0.3	
2/15/2023 2:15 PM	00:00	6.17 pH	20.04 °C	228.89 µS/cm	3.75 mg/L	2.90 NTU	118.2 mV	8.44 ft	200.00 ml/min
2/15/2023 2:20 PM	05:00	6.22 pH	17.21 °C	242.04 µS/cm	3.59 mg/L	2.35 NTU	141.1 mV	9.60 ft	200.00 ml/min
2/15/2023 2:25 PM	10:00	6.23 pH	16.90 °C	241.76 µS/cm	3.54 mg/L	1.92 NTU	95.3 mV	9.60 ft	200.00 ml/min
2/15/2023 2:30 PM	15:00	6.22 pH	16.78 °C	239.55 µS/cm	3.39 mg/L	1.61 NTU	90.8 mV	9.60 ft	200.00 ml/min
2/15/2023 2:35 PM	20:00	6.18 pH	16.79 °C	231.18 µS/cm	3.09 mg/L	1.60 NTU	87.4 mV	9.60 ft	200.00 ml/min
2/15/2023 2:40 PM	25:00	6.15 pH	16.74 °C	227.91 µS/cm	2.96 mg/L	1.32 NTU	85.3 mV	9.60 ft	200.00 ml/min
2/15/2023 2:45 PM	30:00	6.10 pH	16.70 °C	220.04 µS/cm	2.63 mg/L	1.48 NTU	83.2 mV	9.60 ft	200.00 ml/min
2/15/2023 2:50 PM	35:00	6.08 pH	16.83 °C	216.56 µS/cm	2.49 mg/L	1.45 NTU	81.4 mV	9.60 ft	200.00 ml/min
2/15/2023 2:55 PM	40:00	6.03 pH	16.73 °C	210.67 µS/cm	2.21 mg/L	1.36 NTU	99.3 mV	9.60 ft	200.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 2/15/2023 3:30:06 PM

Project: Plant Wansley Landfill

Operator Name: D. Johnson

<b>Location Name: GWC-9</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 9.33 ft</b> <b>Total Depth: 19.33 ft</b> <b>Initial Depth to Water: 6.91 ft</b>	<b>Pump Type: Peri Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 14 ft</b> <b>Estimated Total Volume Pumped: 10.125 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 150 ml/min</b> <b>Final Draw Down: 1.08 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965678</b>
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## Test Notes:

Cloudy, 70 degrees F. Sample time 1635.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 5	+/- 100	+/- 0.3	
2/15/2023 3:30 PM	00:00	5.53 pH	19.08 °C	111.77 µS/cm	0.68 mg/L	60.70 NTU	109.0 mV	6.91 ft	175.00 ml/min
2/15/2023 3:35 PM	05:00	5.51 pH	17.20 °C	115.23 µS/cm	0.26 mg/L	54.60 NTU	108.8 mV	7.00 ft	175.00 ml/min
2/15/2023 3:40 PM	10:00	5.53 pH	16.92 °C	119.15 µS/cm	0.20 mg/L	40.90 NTU	107.1 mV	7.00 ft	175.00 ml/min
2/15/2023 3:45 PM	15:00	5.54 pH	16.76 °C	121.17 µS/cm	0.18 mg/L	28.90 NTU	104.0 mV	7.00 ft	150.00 ml/min
2/15/2023 3:50 PM	20:00	5.56 pH	16.65 °C	125.57 µS/cm	0.16 mg/L	23.40 NTU	100.8 mV	7.00 ft	150.00 ml/min
2/15/2023 3:55 PM	25:00	5.59 pH	16.60 °C	130.75 µS/cm	0.14 mg/L	23.20 NTU	96.4 mV	7.00 ft	150.00 ml/min
2/15/2023 4:00 PM	30:00	5.59 pH	16.56 °C	129.96 µS/cm	0.13 mg/L	10.60 NTU	105.5 mV	7.00 ft	150.00 ml/min
2/15/2023 4:05 PM	35:00	5.59 pH	16.49 °C	129.36 µS/cm	0.13 mg/L	9.91 NTU	104.0 mV	7.00 ft	150.00 ml/min
2/15/2023 4:10 PM	40:00	5.59 pH	16.51 °C	129.04 µS/cm	0.12 mg/L	9.30 NTU	101.9 mV	7.00 ft	150.00 ml/min
2/15/2023 4:15 PM	45:00	5.58 pH	16.40 °C	126.92 µS/cm	0.12 mg/L	6.40 NTU	102.0 mV	7.00 ft	150.00 ml/min
2/15/2023 4:20 PM	50:00	5.57 pH	16.38 °C	125.35 µS/cm	0.12 mg/L	5.72 NTU	102.7 mV	7.00 ft	150.00 ml/min
2/15/2023 4:25 PM	55:00	5.57 pH	16.24 °C	124.07 µS/cm	0.12 mg/L	4.80 NTU	102.6 mV	7.00 ft	150.00 ml/min
2/15/2023 4:30 PM	01:00:00	5.56 pH	16.15 °C	124.58 µS/cm	0.11 mg/L	4.91 NTU	102.8 mV	7.00 ft	150.00 ml/min
2/15/2023 4:35 PM	01:05:00	5.56 pH	16.29 °C	124.44 µS/cm	0.12 mg/L	4.78 NTU	102.1 mV	7.00 ft	150.00 ml/min

# Low-Flow Test Report:

**Test Date / Time:** 2/14/2023 2:45:14 PM

**Project:** Plant Wansley Landfill

**Operator Name:** Toby Johnson

<b>Location Name:</b> GWC-10 <b>Well Diameter:</b> 2 in <b>Casing Type:</b> PVC <b>Screen Length:</b> 10 ft <b>Top of Screen:</b> 12 ft <b>Total Depth:</b> 22 ft <b>Initial Depth to Water:</b> 10.66 ft	<b>Pump Type:</b> Peri Pump <b>Tubing Type:</b> Poly <b>Pump Intake From TOC:</b> 21 ft <b>Estimated Total Volume Pumped:</b> 13.5 liter <b>Flow Cell Volume:</b> 90 ml <b>Final Flow Rate:</b> 300 ml/min <b>Final Draw Down:</b> 124.08 in	<b>Instrument Used:</b> Aqua TROLL 400 <b>Serial Number:</b> 965658
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## Test Notes:

Sunny, purged dry, no sample collected

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 10 %	+/- 10	+/- 100	+/- 5	
2/14/2023 2:45 PM	00:00	6.17 pH	21.04 °C	192.69 µS/cm	3.69 mg/L	15.40 NTU	116.4 mV	10.66 ft	300.00 ml/min
2/14/2023 2:50 PM	05:00	6.16 pH	18.38 °C	194.07 µS/cm	3.06 mg/L	13.50 NTU	227.7 mV	12.40 ft	300.00 ml/min
2/14/2023 2:55 PM	10:00	6.16 pH	18.02 °C	193.84 µS/cm	3.08 mg/L	13.20 NTU	289.8 mV	13.20 ft	300.00 ml/min
2/14/2023 3:00 PM	15:00	6.10 pH	18.02 °C	192.76 µS/cm	2.74 mg/L	12.00 NTU	299.0 mV	14.90 ft	300.00 ml/min
2/14/2023 3:05 PM	20:00	5.89 pH	17.98 °C	179.63 µS/cm	2.00 mg/L	11.20 NTU	179.2 mV	15.70 ft	300.00 ml/min
2/14/2023 3:10 PM	25:00	5.94 pH	17.94 °C	191.75 µS/cm	2.01 mg/L	10.00 NTU	167.8 mV	16.80 ft	300.00 ml/min
2/14/2023 3:15 PM	30:00	6.01 pH	17.98 °C	197.26 µS/cm	1.68 mg/L	9.67 NTU	161.7 mV	18.00 ft	300.00 ml/min
2/14/2023 3:20 PM	35:00	6.09 pH	18.06 °C	198.99 µS/cm	1.85 mg/L	7.88 NTU	152.5 mV	19.10 ft	300.00 ml/min
2/14/2023 3:25 PM	40:00	6.21 pH	18.15 °C	201.42 µS/cm	1.75 mg/L	6.02 NTU	161.6 mV	20.20 ft	300.00 ml/min
2/14/2023 3:30 PM	45:00	6.34 pH	18.28 °C	202.63 µS/cm	1.20 mg/L	12.70 NTU	137.6 mV	21.00 ft	300.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 2/15/2023 9:10:23 AM

Project: Plant Wansley Landfill

Operator Name: Toby Johnson

<b>Location Name: GWC-10</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 12 ft</b> <b>Total Depth: 22 ft</b> <b>Initial Depth to Water: 10.82 ft</b>	<b>Pump Type: Peri Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 21 ft</b> <b>Estimated Total Volume Pumped: 1.875 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 125 ml/min</b> <b>Final Draw Down: 24.96 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965658</b>
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## Test Notes:

Overcast, sampled at 0925

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 10 %	+/- 10	+/- 100	+/- 5	
2/15/2023 9:10 AM	00:00	5.89 pH	14.57 °C	209.41 µS/cm	8.78 mg/L	4.11 NTU	145.0 mV	10.82 ft	125.00 ml/min
2/15/2023 9:15 AM	05:00	5.74 pH	15.43 °C	158.28 µS/cm	5.03 mg/L	3.29 NTU	93.5 mV	11.90 ft	125.00 ml/min
2/15/2023 9:20 AM	10:00	5.76 pH	15.66 °C	156.68 µS/cm	5.00 mg/L	3.82 NTU	92.0 mV	12.50 ft	125.00 ml/min
2/15/2023 9:25 AM	15:00	5.76 pH	15.86 °C	155.96 µS/cm	4.97 mg/L	3.55 NTU	93.2 mV	12.90 ft	125.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 2/21/2023 1:55:23 PM

Project: Plant Wansley Landfill

Operator Name: Toby Johnson

<b>Location Name: GWC-11</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 8.23 ft</b> <b>Total Depth: 18.23 ft</b> <b>Initial Depth to Water: 5.73 ft</b>	<b>Pump Type: Peri Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 13 ft</b> <b>Estimated Total Volume Pumped: 12 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 3.24 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965658</b>
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## Test Notes:

Cloudy, sampled at 1455, WAN-LF-FB-11 here at 1450

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 10 %	+/- 10	+/- 100	+/- 5	
2/21/2023 1:55 PM	00:00	5.71 pH	18.43 °C	78.32 µS/cm	4.32 mg/L	47.30 NTU	88.9 mV	5.73 ft	200.00 ml/min
2/21/2023 2:00 PM	05:00	5.76 pH	16.02 °C	79.81 µS/cm	0.21 mg/L	12.40 NTU	83.7 mV	5.90 ft	200.00 ml/min
2/21/2023 2:05 PM	10:00	5.82 pH	16.33 °C	88.41 µS/cm	0.16 mg/L	8.86 NTU	80.4 mV	5.90 ft	200.00 ml/min
2/21/2023 2:10 PM	15:00	5.85 pH	16.64 °C	93.64 µS/cm	0.15 mg/L	17.00 NTU	77.6 mV	5.90 ft	200.00 ml/min
2/21/2023 2:15 PM	20:00	5.87 pH	16.29 °C	95.55 µS/cm	0.13 mg/L	15.30 NTU	75.9 mV	5.90 ft	200.00 ml/min
2/21/2023 2:20 PM	25:00	5.89 pH	15.99 °C	101.11 µS/cm	0.12 mg/L	14.30 NTU	74.2 mV	5.90 ft	200.00 ml/min
2/21/2023 2:25 PM	30:00	5.90 pH	16.11 °C	99.87 µS/cm	0.11 mg/L	13.90 NTU	71.4 mV	5.90 ft	200.00 ml/min
2/21/2023 2:30 PM	35:00	5.91 pH	16.02 °C	105.51 µS/cm	0.10 mg/L	10.10 NTU	69.6 mV	5.90 ft	200.00 ml/min
2/21/2023 2:35 PM	40:00	5.88 pH	16.70 °C	100.64 µS/cm	0.75 mg/L	5.50 NTU	67.1 mV	6.00 ft	200.00 ml/min
2/21/2023 2:40 PM	45:00	5.95 pH	16.29 °C	116.09 µS/cm	0.30 mg/L	4.86 NTU	61.6 mV	6.00 ft	200.00 ml/min
2/21/2023 2:41 PM	46:20	5.95 pH	16.20 °C	113.64 µS/cm	0.24 mg/L	4.94 NTU	60.6 mV	6.00 ft	200.00 ml/min
2/21/2023 2:45 PM	49:45	5.96 pH	16.02 °C	110.50 µS/cm	0.16 mg/L	4.32 NTU	59.0 mV	6.00 ft	200.00 ml/min
2/21/2023 2:50 PM	55:06	5.95 pH	16.05 °C	105.71 µS/cm	0.10 mg/L	5.13 NTU	57.2 mV	6.00 ft	200.00 ml/min
2/21/2023 2:55 PM	01:00:06	5.96 pH	16.56 °C	106.79 µS/cm	0.09 mg/L	4.79 NTU	55.4 mV	6.00 ft	200.00 ml/min



# Low-Flow Test Report:

Test Date / Time: 2/15/2023 9:55:16 AM

Project: Plant Wansley Landfill

Operator Name: Toby Johnson

<b>Location Name: GWC-12</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 30.63 ft</b> <b>Total Depth: 40.63 ft</b> <b>Initial Depth to Water: 27.12 ft</b>	<b>Pump Type: Portable Bladder Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 35 ft</b> <b>Estimated Total Volume Pumped: 10.375 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 100 ml/min</b> <b>Final Draw Down: 29.76 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965658</b>
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## Test Notes:

Overcast, sampled at 1135, WAN-LF-EB-04 here at 1125

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 10 %	+/- 10	+/- 100	+/- 5	
2/15/2023 9:55 AM	00:00	6.69 pH	15.54 °C	279.46 µS/cm	6.70 mg/L	33.90 NTU	97.1 mV	27.12 ft	130.00 ml/min
2/15/2023 10:00 AM	05:00	6.68 pH	16.87 °C	277.88 µS/cm	0.89 mg/L	29.40 NTU	86.8 mV	28.20 ft	130.00 ml/min
2/15/2023 10:05 AM	10:00	6.74 pH	17.00 °C	283.28 µS/cm	0.59 mg/L	23.30 NTU	81.8 mV	28.50 ft	115.00 ml/min
2/15/2023 10:10 AM	15:00	6.78 pH	16.98 °C	294.37 µS/cm	0.49 mg/L	17.10 NTU	76.5 mV	28.70 ft	100.00 ml/min
2/15/2023 10:15 AM	20:00	6.82 pH	16.97 °C	303.22 µS/cm	0.48 mg/L	16.30 NTU	72.4 mV	28.80 ft	100.00 ml/min
2/15/2023 10:20 AM	25:00	6.85 pH	16.96 °C	309.62 µS/cm	0.46 mg/L	14.90 NTU	69.2 mV	28.90 ft	100.00 ml/min
2/15/2023 10:25 AM	30:00	6.87 pH	16.97 °C	314.69 µS/cm	0.44 mg/L	13.50 NTU	65.8 mV	28.90 ft	100.00 ml/min
2/15/2023 10:30 AM	35:00	6.89 pH	17.01 °C	317.78 µS/cm	0.45 mg/L	11.60 NTU	63.7 mV	29.00 ft	100.00 ml/min
2/15/2023 10:35 AM	40:00	6.90 pH	17.02 °C	320.72 µS/cm	0.42 mg/L	10.90 NTU	60.9 mV	29.00 ft	100.00 ml/min
2/15/2023 10:40 AM	45:00	6.90 pH	17.05 °C	323.26 µS/cm	0.40 mg/L	10.10 NTU	58.4 mV	29.10 ft	100.00 ml/min
2/15/2023 10:45 AM	50:00	6.92 pH	17.12 °C	324.67 µS/cm	0.38 mg/L	9.04 NTU	55.4 mV	29.10 ft	100.00 ml/min
2/15/2023 10:50 AM	55:00	6.92 pH	17.10 °C	327.35 µS/cm	0.34 mg/L	8.65 NTU	52.5 mV	29.10 ft	100.00 ml/min
2/15/2023 10:55 AM	01:00:00	6.93 pH	17.12 °C	329.32 µS/cm	0.32 mg/L	7.34 NTU	49.7 mV	29.20 ft	100.00 ml/min
2/15/2023 11:00 AM	01:05:00	6.93 pH	17.18 °C	331.22 µS/cm	0.29 mg/L	5.76 NTU	46.5 mV	29.30 ft	100.00 ml/min
2/15/2023 11:05 AM	01:10:00	6.94 pH	17.18 °C	332.67 µS/cm	0.27 mg/L	5.21 NTU	43.5 mV	29.30 ft	100.00 ml/min

2/15/2023 11:10 AM	01:15:00	6.95 pH	17.19 °C	334.09 µS/cm	0.26 mg/L	4.74 NTU	40.5 mV	29.40 ft	100.00 ml/min
2/15/2023 11:15 AM	01:20:00	6.95 pH	17.17 °C	335.29 µS/cm	0.25 mg/L	4.38 NTU	37.7 mV	29.40 ft	100.00 ml/min
2/15/2023 11:20 AM	01:25:00	6.95 pH	17.18 °C	336.89 µS/cm	0.25 mg/L	4.25 NTU	35.2 mV	29.50 ft	100.00 ml/min
2/15/2023 11:25 AM	01:30:00	6.97 pH	17.22 °C	338.42 µS/cm	0.24 mg/L	3.94 NTU	32.5 mV	29.50 ft	100.00 ml/min
2/15/2023 11:30 AM	01:35:00	6.97 pH	17.25 °C	339.93 µS/cm	0.24 mg/L	3.71 NTU	30.3 mV	29.60 ft	100.00 ml/min
2/15/2023 11:35 AM	01:40:00	6.98 pH	17.28 °C	340.63 µS/cm	0.23 mg/L	3.61 NTU	27.7 mV	29.60 ft	100.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 2/21/2023 4:05:10 PM

Project: Plant Wansley Landfill

Operator Name: Toby Johnson

<b>Location Name: GWC-13</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 80.42 ft</b> <b>Total Depth: 90.42 ft</b> <b>Initial Depth to Water: 5.69 ft</b>	<b>Pump Type: Peri Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 85 ft</b> <b>Estimated Total Volume Pumped: 7.625 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 260 ml/min</b> <b>Final Draw Down: 2.52 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965658</b>
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## Test Notes:

Cloudy, sampled at 1635

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 10 %	+/- 10	+/- 100	+/- 5	
2/21/2023 4:05 PM	00:00	6.60 pH	22.35 °C	56.80 µS/cm	4.83 mg/L	3.45 NTU	68.6 mV	5.69 ft	225.00 ml/min
2/21/2023 4:10 PM	05:00	6.71 pH	18.34 °C	69.32 µS/cm	2.98 mg/L	2.55 NTU	61.1 mV	5.80 ft	260.00 ml/min
2/21/2023 4:15 PM	10:00	6.70 pH	18.10 °C	67.72 µS/cm	3.15 mg/L	2.31 NTU	57.6 mV	5.80 ft	260.00 ml/min
2/21/2023 4:20 PM	15:00	6.67 pH	18.01 °C	66.38 µS/cm	3.33 mg/L	1.78 NTU	55.4 mV	5.80 ft	260.00 ml/min
2/21/2023 4:25 PM	20:00	6.65 pH	18.04 °C	64.96 µS/cm	3.46 mg/L	1.10 NTU	54.0 mV	5.90 ft	260.00 ml/min
2/21/2023 4:30 PM	25:00	6.63 pH	18.17 °C	63.98 µS/cm	3.59 mg/L	0.86 NTU	53.2 mV	5.90 ft	260.00 ml/min
2/21/2023 4:35 PM	30:00	6.62 pH	18.12 °C	63.20 µS/cm	3.68 mg/L	1.11 NTU	53.1 mV	5.90 ft	260.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 2/17/2023 9:38:26 AM

Project: Plant Wansley Landfill

Operator Name: D. Johnson

<b>Location Name: GWC-14</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 12.63 ft</b> <b>Total Depth: 22.63 ft</b> <b>Initial Depth to Water: 8.7 ft</b>	<b>Pump Type: Peri Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 17 ft</b> <b>Estimated Total Volume Pumped: 11.5 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 150 ml/min</b> <b>Final Draw Down: 2.4 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965678</b>
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## Test Notes:

Cloudy & raining. 47 degrees F. Sample time 1048.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 5	+/- 100	+/- 0.3	
2/17/2023 9:38 AM	00:00	5.48 pH	12.24 °C	508.03 µS/cm	1.42 mg/L	28.90 NTU	96.8 mV	8.70 ft	200.00 ml/min
2/17/2023 9:43 AM	05:00	5.54 pH	13.36 °C	484.58 µS/cm	0.26 mg/L	16.50 NTU	88.4 mV	8.80 ft	200.00 ml/min
2/17/2023 9:48 AM	10:00	5.59 pH	13.57 °C	482.72 µS/cm	0.22 mg/L	13.10 NTU	84.1 mV	8.80 ft	200.00 ml/min
2/17/2023 9:53 AM	15:00	5.61 pH	13.82 °C	477.03 µS/cm	0.18 mg/L	12.30 NTU	82.6 mV	8.80 ft	200.00 ml/min
2/17/2023 9:58 AM	20:00	5.64 pH	13.95 °C	475.61 µS/cm	0.16 mg/L	9.54 NTU	81.0 mV	8.90 ft	150.00 ml/min
2/17/2023 10:03 AM	25:00	5.66 pH	14.00 °C	474.09 µS/cm	0.15 mg/L	9.98 NTU	79.9 mV	8.90 ft	150.00 ml/min
2/17/2023 10:08 AM	30:00	5.65 pH	14.22 °C	475.57 µS/cm	0.14 mg/L	9.60 NTU	79.6 mV	8.90 ft	150.00 ml/min
2/17/2023 10:13 AM	35:00	5.66 pH	13.98 °C	474.64 µS/cm	0.13 mg/L	9.25 NTU	79.1 mV	8.90 ft	150.00 ml/min
2/17/2023 10:18 AM	40:00	5.69 pH	14.04 °C	472.69 µS/cm	0.13 mg/L	8.42 NTU	78.3 mV	8.90 ft	150.00 ml/min
2/17/2023 10:23 AM	45:00	5.70 pH	13.77 °C	472.61 µS/cm	0.12 mg/L	6.83 NTU	78.0 mV	8.90 ft	150.00 ml/min
2/17/2023 10:28 AM	50:00	5.71 pH	13.86 °C	472.15 µS/cm	0.12 mg/L	7.06 NTU	77.4 mV	8.90 ft	150.00 ml/min
2/17/2023 10:33 AM	55:00	5.73 pH	13.77 °C	471.49 µS/cm	0.12 mg/L	6.47 NTU	76.9 mV	8.90 ft	150.00 ml/min
2/17/2023 10:38 AM	01:00:00	5.73 pH	13.86 °C	469.20 µS/cm	0.11 mg/L	5.25 NTU	76.5 mV	8.90 ft	150.00 ml/min
2/17/2023 10:43 AM	01:05:00	5.73 pH	13.66 °C	471.33 µS/cm	0.11 mg/L	4.21 NTU	76.1 mV	8.90 ft	150.00 ml/min
2/17/2023 10:48 AM	01:10:00	5.73 pH	13.96 °C	471.26 µS/cm	0.11 mg/L	3.87 NTU	75.7 mV	8.90 ft	150.00 ml/min

# Low-Flow Test Report:

Test Date / Time: 2/21/2023 9:14:03 AM

Project: Plant Wansley Landfill

Operator Name: D. Johnson

<b>Location Name: GWC-15</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 41.06 ft</b> <b>Total Depth: 51.06 ft</b> <b>Initial Depth to Water: 5.57 ft</b>	<b>Pump Type: Peri Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 46 ft</b> <b>Estimated Total Volume Pumped: 6 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.36 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965678</b>
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## Test Notes:

Cloudy, 63 degrees F. Sample time 0944

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 5	+/- 100	+/- 0.3	
2/21/2023 9:14 AM	00:00	6.98 pH	18.57 °C	136.19 µS/cm	7.34 mg/L	1.72 NTU	132.4 mV	5.57 ft	200.00 ml/min
2/21/2023 9:19 AM	05:00	7.13 pH	16.57 °C	96.20 µS/cm	7.48 mg/L	0.94 NTU	111.2 mV	5.60 ft	200.00 ml/min
2/21/2023 9:24 AM	10:00	7.18 pH	16.56 °C	94.82 µS/cm	7.47 mg/L	0.76 NTU	103.6 mV	5.60 ft	200.00 ml/min
2/21/2023 9:29 AM	15:00	7.20 pH	16.61 °C	94.62 µS/cm	7.47 mg/L	0.68 NTU	98.9 mV	5.60 ft	200.00 ml/min
2/21/2023 9:34 AM	20:00	7.20 pH	16.67 °C	94.14 µS/cm	7.44 mg/L	0.64 NTU	95.9 mV	5.60 ft	200.00 ml/min
2/21/2023 9:39 AM	25:00	7.21 pH	16.87 °C	94.35 µS/cm	7.46 mg/L	0.67 NTU	93.6 mV	5.60 ft	200.00 ml/min
2/21/2023 9:44 AM	30:00	7.22 pH	16.98 °C	94.23 µS/cm	7.45 mg/L	0.65 NTU	91.3 mV	5.60 ft	200.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 2/20/2023 2:42:13 PM

Project: Plant Wansley Landfill

Operator Name: Dever Johnson

<b>Location Name: GWC-16</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 16.97 ft</b> <b>Total Depth: 26.97 ft</b> <b>Initial Depth to Water: 9.35 ft</b>	<b>Pump Type: Peri Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 20 ft</b> <b>Estimated Total Volume Pumped: 6 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 1 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965678</b>
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## Test Notes:

sunny, 71 degrees F. Sample time 1512.

## 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	
2/20/2023 2:42 PM	00:00	6.29 pH	32.89 °C	90.89 µS/cm	5.81 mg/L	1.21 NTU	124.6 mV	9.35 ft	200.00 ml/min
2/20/2023 2:47 PM	05:00	6.45 pH	21.31 °C	119.82 µS/cm	2.93 mg/L	0.54 NTU	110.0 mV	9.40 ft	200.00 ml/min
2/20/2023 2:52 PM	10:00	6.38 pH	20.81 °C	112.78 µS/cm	2.80 mg/L	0.47 NTU	105.8 mV	9.40 ft	200.00 ml/min
2/20/2023 2:57 PM	15:00	6.13 pH	20.48 °C	97.13 µS/cm	2.57 mg/L	0.44 NTU	123.0 mV	9.40 ft	200.00 ml/min
2/20/2023 3:02 PM	20:00	6.08 pH	20.76 °C	94.22 µS/cm	2.52 mg/L	1.34 NTU	121.6 mV	9.40 ft	200.00 ml/min
2/20/2023 3:07 PM	25:00	6.08 pH	20.84 °C	93.88 µS/cm	2.48 mg/L	0.71 NTU	120.5 mV	9.40 ft	200.00 ml/min
2/20/2023 3:12 PM	30:00	6.08 pH	20.75 °C	92.93 µS/cm	2.45 mg/L	0.59 NTU	101.7 mV	9.40 ft	200.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 2/20/2023 2:55:17 PM

Project: Plant Wansley Landfill

Operator Name: Toby Johnson

<b>Location Name: GWC-17</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 43.34 ft</b> <b>Total Depth: 53.34 ft</b> <b>Initial Depth to Water: 19.1 ft</b>	<b>Pump Type: Peri Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 48 ft</b> <b>Estimated Total Volume Pumped: 11.25 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 150 ml/min</b> <b>Final Draw Down: 19.2 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965658</b>
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## Test Notes:

Sunny, sampled at 1610

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 10 %	+/- 10	+/- 100	+/- 5	
2/20/2023 2:55 PM	00:00	6.08 pH	22.21 °C	121.78 µS/cm	0.82 mg/L	20.60 NTU	137.5 mV	19.10 ft	150.00 ml/min
2/20/2023 3:00 PM	05:00	6.08 pH	20.70 °C	124.37 µS/cm	0.45 mg/L	19.70 NTU	134.4 mV	19.70 ft	150.00 ml/min
2/20/2023 3:05 PM	10:00	6.06 pH	20.84 °C	128.72 µS/cm	0.33 mg/L	17.80 NTU	132.9 mV	20.20 ft	150.00 ml/min
2/20/2023 3:10 PM	15:00	6.05 pH	20.57 °C	127.80 µS/cm	0.36 mg/L	15.30 NTU	131.4 mV	20.60 ft	150.00 ml/min
2/20/2023 3:15 PM	20:00	6.05 pH	20.50 °C	128.77 µS/cm	0.42 mg/L	10.70 NTU	129.8 mV	20.60 ft	150.00 ml/min
2/20/2023 3:20 PM	25:00	6.16 pH	20.56 °C	118.45 µS/cm	0.96 mg/L	8.19 NTU	128.0 mV	20.70 ft	150.00 ml/min
2/20/2023 3:25 PM	30:00	6.08 pH	20.38 °C	123.90 µS/cm	0.61 mg/L	8.61 NTU	127.0 mV	20.70 ft	150.00 ml/min
2/20/2023 3:30 PM	35:00	6.07 pH	20.35 °C	124.30 µS/cm	0.50 mg/L	8.94 NTU	126.7 mV	20.70 ft	150.00 ml/min
2/20/2023 3:35 PM	40:00	6.26 pH	20.36 °C	120.04 µS/cm	1.25 mg/L	8.65 NTU	125.5 mV	20.70 ft	150.00 ml/min
2/20/2023 3:40 PM	45:00	6.22 pH	20.17 °C	119.00 µS/cm	1.20 mg/L	8.99 NTU	124.4 mV	20.70 ft	150.00 ml/min
2/20/2023 3:45 PM	50:00	6.09 pH	20.21 °C	124.34 µS/cm	0.75 mg/L	8.37 NTU	124.0 mV	20.70 ft	150.00 ml/min
2/20/2023 3:50 PM	55:00	6.09 pH	19.86 °C	125.81 µS/cm	0.59 mg/L	7.11 NTU	123.6 mV	20.70 ft	150.00 ml/min
2/20/2023 3:55 PM	01:00:00	6.08 pH	19.76 °C	126.78 µS/cm	0.57 mg/L	6.45 NTU	122.9 mV	20.70 ft	150.00 ml/min
2/20/2023 4:00 PM	01:05:00	6.06 pH	19.80 °C	128.34 µS/cm	0.56 mg/L	6.13 NTU	122.0 mV	20.70 ft	150.00 ml/min
2/20/2023 4:05 PM	01:10:00	6.06 pH	19.74 °C	127.91 µS/cm	0.54 mg/L	5.75 NTU	121.2 mV	20.70 ft	150.00 ml/min

2/20/2023 4:10 PM	01:15:00	6.06 pH	19.24 °C	127.35 µS/cm	0.57 mg/L	4.78 NTU	120.8 mV	20.70 ft	150.00 ml/min
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**Samples**

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 2/20/2023 3:48:06 PM

Project: Plant Wansley Landfill

Operator Name: Dever Johnson

<b>Location Name: GWC-18</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 20.51 ft</b> <b>Total Depth: 30.51 ft</b> <b>Initial Depth to Water: 12.1 ft</b>	<b>Pump Type: Peri Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 25 ft</b> <b>Estimated Total Volume Pumped: 4.5 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 150 ml/min</b> <b>Final Draw Down: 3.3 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965678</b>
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## Test Notes:

sunny, 72 degrees F. Sample time 1618.

## 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	+/- 25	+/- 0.3	
2/20/2023 3:48 PM	00:00	5.96 pH	23.16 °C	92.72 µS/cm	2.36 mg/L	1.32 NTU	124.3 mV	12.10 ft	150.00 ml/min
2/20/2023 3:53 PM	05:00	5.89 pH	17.99 °C	100.78 µS/cm	0.31 mg/L	0.78 NTU	116.1 mV	12.30 ft	150.00 ml/min
2/20/2023 3:58 PM	10:00	5.89 pH	17.63 °C	101.23 µS/cm	0.23 mg/L	0.44 NTU	113.4 mV	12.30 ft	150.00 ml/min
2/20/2023 4:03 PM	15:00	5.88 pH	17.57 °C	101.45 µS/cm	0.22 mg/L	0.45 NTU	112.7 mV	12.30 ft	150.00 ml/min
2/20/2023 4:08 PM	20:00	5.88 pH	17.45 °C	101.51 µS/cm	0.19 mg/L	0.31 NTU	112.5 mV	12.30 ft	150.00 ml/min
2/20/2023 4:13 PM	25:00	5.88 pH	17.30 °C	101.60 µS/cm	0.17 mg/L	0.32 NTU	113.2 mV	12.30 ft	150.00 ml/min
2/20/2023 4:18 PM	30:00	5.87 pH	17.23 °C	101.30 µS/cm	0.16 mg/L	0.31 NTU	114.2 mV	12.30 ft	150.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 2/21/2023 3:03:35 PM

Project: Plant Wansley Landfill

Operator Name: D. Johnson

<b>Location Name: GWC-19</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 28.56 ft</b> <b>Total Depth: 38.56 ft</b> <b>Initial Depth to Water: 6.3 ft</b>	<b>Pump Type: Peri Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 33 ft</b> <b>Estimated Total Volume Pumped: 6 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 13.2 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965678</b>
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## Test Notes:

Cloudy, 69 degrees F. Sample time 1533.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 5	+/- 100	+/- 0.3	
2/21/2023 3:03 PM	00:00	6.06 pH	20.75 °C	91.89 µS/cm	4.08 mg/L	3.01 NTU	193.0 mV	6.30 ft	200.00 ml/min
2/21/2023 3:08 PM	05:00	5.76 pH	16.65 °C	89.64 µS/cm	1.57 mg/L	1.88 NTU	155.6 mV	6.73 ft	200.00 ml/min
2/21/2023 3:13 PM	10:00	5.76 pH	16.20 °C	90.87 µS/cm	1.56 mg/L	1.72 NTU	139.9 mV	7.40 ft	200.00 ml/min
2/21/2023 3:18 PM	15:00	5.74 pH	16.40 °C	90.26 µS/cm	1.49 mg/L	1.82 NTU	131.2 mV	7.40 ft	200.00 ml/min
2/21/2023 3:23 PM	20:00	5.75 pH	16.56 °C	90.38 µS/cm	1.48 mg/L	1.17 NTU	125.5 mV	7.40 ft	200.00 ml/min
2/21/2023 3:28 PM	25:00	5.74 pH	16.47 °C	90.24 µS/cm	1.48 mg/L	1.12 NTU	120.9 mV	7.40 ft	200.00 ml/min
2/21/2023 3:33 PM	30:00	5.73 pH	16.52 °C	89.77 µS/cm	1.36 mg/L	1.07 NTU	117.4 mV	7.40 ft	200.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 2/22/2023 10:35:33 AM

Project: Plant Wansley Landfill

Operator Name: D. Johnson

<b>Location Name: GWC-20</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 61.08 ft</b> <b>Total Depth: 71.08 ft</b> <b>Initial Depth to Water: 4.71 ft</b>	<b>Pump Type: Peri. Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 66 ft</b> <b>Estimated Total Volume Pumped: 6 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 1.32 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965678</b>
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## Test Notes:

Cloudy, 68 degrees F. Sample time 1105. Dup 5 here.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 5	+/- 100	+/- 0.3	
2/22/2023 10:35 AM	00:00	6.72 pH	20.26 °C	101.15 µS/cm	6.99 mg/L	1.00 NTU	114.9 mV	4.71 ft	200.00 ml/min
2/22/2023 10:40 AM	05:00	6.90 pH	17.01 °C	106.39 µS/cm	7.27 mg/L	0.59 NTU	102.1 mV	4.82 ft	200.00 ml/min
2/22/2023 10:45 AM	10:00	6.91 pH	17.12 °C	107.04 µS/cm	7.33 mg/L	0.33 NTU	97.0 mV	4.82 ft	200.00 ml/min
2/22/2023 10:50 AM	15:00	6.91 pH	17.09 °C	107.27 µS/cm	7.35 mg/L	0.32 NTU	93.9 mV	4.82 ft	200.00 ml/min
2/22/2023 10:55 AM	20:00	6.92 pH	17.21 °C	106.99 µS/cm	7.32 mg/L	0.39 NTU	91.4 mV	4.82 ft	200.00 ml/min
2/22/2023 11:00 AM	25:00	6.91 pH	17.17 °C	107.30 µS/cm	7.32 mg/L	0.31 NTU	104.6 mV	4.82 ft	200.00 ml/min
2/22/2023 11:05 AM	30:00	6.91 pH	17.11 °C	107.66 µS/cm	7.31 mg/L	0.30 NTU	103.6 mV	4.82 ft	200.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 2/21/2023 4:20:15 PM

Project: Plant Wansley Landfill

Operator Name: D. Johnson

<b>Location Name: GWC-21</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 28.3 ft</b> <b>Total Depth: 38.3 ft</b> <b>Initial Depth to Water: 12.5 ft</b>	<b>Pump Type: Peri Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 33 ft</b> <b>Estimated Total Volume Pumped: 5.1 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 170 ml/min</b> <b>Final Draw Down: 21.6 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965678</b>
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## Test Notes:

Cloudy, 68 degrees F. Sample time 1650

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 5	+/- 100	+/- 0.3	
2/21/2023 4:20 PM	00:00	5.39 pH	18.27 °C	60.23 µS/cm	1.72 mg/L	2.06 NTU	153.9 mV	12.50 ft	170.00 ml/min
2/21/2023 4:25 PM	05:00	5.38 pH	17.32 °C	60.76 µS/cm	1.53 mg/L	1.88 NTU	140.3 mV	13.60 ft	170.00 ml/min
2/21/2023 4:30 PM	10:00	5.38 pH	17.13 °C	61.18 µS/cm	1.49 mg/L	1.77 NTU	137.8 mV	13.80 ft	170.00 ml/min
2/21/2023 4:35 PM	15:00	5.38 pH	17.10 °C	60.83 µS/cm	1.48 mg/L	1.76 NTU	135.8 mV	14.30 ft	170.00 ml/min
2/21/2023 4:40 PM	20:00	5.39 pH	16.87 °C	61.10 µS/cm	1.49 mg/L	1.74 NTU	134.0 mV	14.30 ft	170.00 ml/min
2/21/2023 4:45 PM	25:00	5.38 pH	16.94 °C	60.99 µS/cm	1.44 mg/L	1.72 NTU	132.4 mV	14.30 ft	170.00 ml/min
2/21/2023 4:50 PM	30:00	5.37 pH	16.82 °C	60.94 µS/cm	1.41 mg/L	1.60 NTU	178.0 mV	14.30 ft	170.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 2/14/2023 4:15:08 PM

Project: Plant Wansley Landfill

Operator Name: Toby Johnson

<b>Location Name: GWC-22</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 67.15 ft</b> <b>Total Depth: 77.15 ft</b> <b>Initial Depth to Water: 24.19 ft</b>	<b>Pump Type: Peri Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 72 ft</b> <b>Estimated Total Volume Pumped: 5.25 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 175 ml/min</b> <b>Final Draw Down: 8.52 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965658</b>
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## Test Notes:

Sunny, sampled at 1645

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 10 %	+/- 10	+/- 100	+/- 5	
2/14/2023 4:15 PM	00:00	6.62 pH	19.41 °C	117.53 µS/cm	4.26 mg/L	3.72 NTU	106.2 mV	24.19 ft	175.00 ml/min
2/14/2023 4:20 PM	05:00	6.56 pH	17.36 °C	122.24 µS/cm	4.28 mg/L	1.10 NTU	105.6 mV	24.80 ft	175.00 ml/min
2/14/2023 4:25 PM	10:00	6.56 pH	17.09 °C	121.84 µS/cm	4.23 mg/L	0.55 NTU	106.0 mV	24.80 ft	175.00 ml/min
2/14/2023 4:30 PM	15:00	6.54 pH	16.95 °C	121.98 µS/cm	4.23 mg/L	0.60 NTU	106.6 mV	24.90 ft	175.00 ml/min
2/14/2023 4:35 PM	20:00	6.57 pH	16.91 °C	121.95 µS/cm	4.21 mg/L	0.74 NTU	108.7 mV	24.90 ft	175.00 ml/min
2/14/2023 4:40 PM	25:00	6.55 pH	16.87 °C	122.51 µS/cm	4.22 mg/L	0.46 NTU	109.2 mV	24.90 ft	175.00 ml/min
2/14/2023 4:45 PM	30:00	6.56 pH	16.83 °C	121.97 µS/cm	4.20 mg/L	0.66 NTU	110.1 mV	24.90 ft	175.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 2/21/2023 12:35:19 PM

Project: Plant Wansley Landfill

Operator Name: Toby Johnson

<b>Location Name: GWC-23</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 58.05 ft</b> <b>Total Depth: 68.05 ft</b> <b>Initial Depth to Water: 35.65 ft</b>	<b>Pump Type: Dedicated Bladder Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 63 ft</b> <b>Estimated Total Volume Pumped: 5.25 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 175 ml/min</b> <b>Final Draw Down: 13.8 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965658</b>
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## Test Notes:

Raining, sampled at 1305

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 10 %	+/- 10	+/- 100	+/- 5	
2/21/2023 12:35 PM	00:00	5.87 pH	18.17 °C	51.82 µS/cm	4.83 mg/L	1.65 NTU	102.8 mV	35.65 ft	175.00 ml/min
2/21/2023 12:40 PM	05:00	5.87 pH	17.67 °C	51.44 µS/cm	4.53 mg/L	2.11 NTU	103.3 mV	36.60 ft	175.00 ml/min
2/21/2023 12:45 PM	10:00	5.88 pH	17.54 °C	51.69 µS/cm	4.40 mg/L	1.98 NTU	103.1 mV	36.70 ft	175.00 ml/min
2/21/2023 12:50 PM	15:00	5.89 pH	17.43 °C	51.83 µS/cm	4.38 mg/L	1.23 NTU	107.2 mV	36.80 ft	175.00 ml/min
2/21/2023 12:55 PM	20:00	5.89 pH	17.37 °C	51.93 µS/cm	4.36 mg/L	1.79 NTU	103.2 mV	36.80 ft	175.00 ml/min
2/21/2023 1:00 PM	25:00	5.88 pH	17.31 °C	51.43 µS/cm	4.37 mg/L	1.53 NTU	103.5 mV	36.80 ft	175.00 ml/min
2/21/2023 1:05 PM	30:00	5.88 pH	17.27 °C	51.15 µS/cm	4.36 mg/L	1.91 NTU	103.6 mV	36.80 ft	175.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 2/15/2023 12:15:37 PM

Project: Plant Wansley Landfill

Operator Name: D. Johnson

<b>Location Name: GWC-24</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 41.05 ft</b> <b>Total Depth: 51.05 ft</b> <b>Initial Depth to Water: 42.51 ft</b>	<b>Pump Type: Dedicated Bladder Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 46 ft</b> <b>Estimated Total Volume Pumped: 10.25 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 150 ml/min</b> <b>Final Draw Down: 41.88 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965678</b>
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## Test Notes:

Log 1 of 2.

3 well volumes= 15.8 L. 10.25 L were purged before well went dry.

Allowing for overnight recharge. Will begin log 2 of 2 on 2/16/23.

Water level went 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	+/- 100	+/- 5 %	+/- 10 %	+/- 5	+/- 100	+/- 0.3	
2/15/2023 12:15 PM	00:00	6.10 pH	16.74 °C	34.31 µS/cm	7.96 mg/L	0.52 NTU	107.5 mV	42.51 ft	200.00 ml/min
2/15/2023 12:20 PM	05:00	5.15 pH	16.71 °C	31.71 µS/cm	6.37 mg/L	0.34 NTU	94.3 mV	43.60 ft	200.00 ml/min
2/15/2023 12:25 PM	10:00	5.12 pH	16.78 °C	31.15 µS/cm	6.16 mg/L	1.50 NTU	92.4 mV	44.20 ft	150.00 ml/min
2/15/2023 12:30 PM	15:00	5.09 pH	16.82 °C	30.86 µS/cm	6.09 mg/L	1.62 NTU	91.1 mV	44.50 ft	150.00 ml/min
2/15/2023 12:35 PM	20:00	5.05 pH	16.95 °C	31.18 µS/cm	6.07 mg/L	1.46 NTU	119.3 mV	45.00 ft	150.00 ml/min
2/15/2023 12:40 PM	25:00	5.05 pH	17.05 °C	32.01 µS/cm	6.07 mg/L	1.19 NTU	120.2 mV	45.00 ft	150.00 ml/min
2/15/2023 12:45 PM	30:00	5.06 pH	17.10 °C	33.25 µS/cm	6.05 mg/L	3.00 NTU	120.5 mV	46.00 ft	150.00 ml/min
2/15/2023 12:50 PM	35:00	5.12 pH	17.14 °C	34.55 µS/cm	6.01 mg/L	2.53 NTU	119.4 mV	46.00 ft	150.00 ml/min
2/15/2023 12:55 PM	40:00	5.20 pH	17.28 °C	36.02 µS/cm	5.97 mg/L	1.20 NTU	117.4 mV	46.00 ft	150.00 ml/min
2/15/2023 1:00 PM	45:00	5.24 pH	17.32 °C	36.98 µS/cm	5.92 mg/L	1.87 NTU	116.3 mV	46.00 ft	150.00 ml/min
2/15/2023 1:05 PM	50:00	5.24 pH	17.28 °C	38.13 µS/cm	5.93 mg/L	1.40 NTU	116.2 mV	46.00 ft	150.00 ml/min
2/15/2023 1:10 PM	55:00	5.28 pH	17.24 °C	38.58 µS/cm	5.93 mg/L	1.22 NTU	113.9 mV	46.00 ft	150.00 ml/min

2/15/2023 1:15 PM	01:00:00	5.11 pH	17.22 °C	37.69 µS/cm	6.89 mg/L	3.42 NTU	90.1 mV	46.00 ft	150.00 ml/min
2/15/2023 1:20 PM	01:05:00	5.22 pH	17.38 °C	36.98 µS/cm	6.95 mg/L	2.35 NTU	89.4 mV	46.00 ft	150.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 2/16/2023 10:59:04 AM

Project: Plant Wansley Landfill

Operator Name: D. Johnson

<b>Location Name: GWC-24</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 41.05 ft</b> <b>Total Depth: 51.05 ft</b> <b>Initial Depth to Water: 42.3 ft</b>	<b>Pump Type: Dedicated Bladder Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 46 ft</b> <b>Estimated Total Volume Pumped: 4 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 45.6 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965678</b>
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## Test Notes:

Log 2 of 2. Resuming log from 2-15-23. Allowed well to recharge overnight.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 5	+/- 100	+/- 0.3	
2/16/2023 10:59 AM	00:00	5.46 pH	18.35 °C	42.37 µS/cm	7.33 mg/L	1.01 NTU	126.3 mV	42.30 ft	200.00 ml/min
2/16/2023 11:04 AM	05:00	5.15 pH	17.18 °C	32.14 µS/cm	6.88 mg/L	0.59 NTU	120.6 mV	44.10 ft	200.00 ml/min
2/16/2023 11:09 AM	10:00	5.11 pH	17.02 °C	31.28 µS/cm	6.50 mg/L	0.50 NTU	121.8 mV	46.10 ft	200.00 ml/min
2/16/2023 11:14 AM	15:00	5.09 pH	17.13 °C	30.97 µS/cm	6.39 mg/L	0.61 NTU	122.4 mV	46.10 ft	200.00 ml/min
2/16/2023 11:19 AM	20:00	5.08 pH	17.37 °C	30.83 µS/cm	6.39 mg/L	0.57 NTU	122.3 mV	46.10 ft	200.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 2/21/2023 10:23:20 AM

Project: Plant Wansley Landfill

Operator Name: D. Johnson

<b>Location Name: GWC-25</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 51.23 ft</b> <b>Total Depth: 61.23 ft</b> <b>Initial Depth to Water: 51.1 ft</b>	<b>Pump Type: Dedicated Bladder Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 56 ft</b> <b>Estimated Total Volume Pumped: 18.9 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 180 ml/min</b> <b>Final Draw Down: 22.8 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965678</b>
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## Test Notes:

Cloudy, 65 degrees F. Sample time 1208.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 5	+/- 100	+/- 0.3	
2/21/2023 10:23 AM	00:00	6.78 pH	18.42 °C	90.16 µS/cm	7.95 mg/L	1.05 NTU	108.8 mV	51.10 ft	180.00 ml/min
2/21/2023 10:28 AM	05:00	5.98 pH	17.07 °C	88.88 µS/cm	6.66 mg/L	0.21 NTU	103.3 mV	51.50 ft	180.00 ml/min
2/21/2023 10:33 AM	10:00	5.95 pH	17.05 °C	88.70 µS/cm	6.63 mg/L	0.30 NTU	101.4 mV	51.50 ft	180.00 ml/min
2/21/2023 10:38 AM	15:00	5.92 pH	17.09 °C	89.09 µS/cm	6.40 mg/L	0.37 NTU	101.4 mV	51.70 ft	180.00 ml/min
2/21/2023 10:43 AM	20:00	5.90 pH	17.14 °C	88.54 µS/cm	6.33 mg/L	0.30 NTU	100.4 mV	52.00 ft	180.00 ml/min
2/21/2023 10:48 AM	25:00	5.87 pH	17.11 °C	88.24 µS/cm	6.16 mg/L	0.32 NTU	100.2 mV	52.20 ft	180.00 ml/min
2/21/2023 10:53 AM	30:00	5.85 pH	17.14 °C	87.45 µS/cm	6.02 mg/L	0.27 NTU	99.9 mV	52.50 ft	180.00 ml/min
2/21/2023 10:58 AM	35:00	5.83 pH	17.17 °C	86.01 µS/cm	5.98 mg/L	0.26 NTU	99.3 mV	52.50 ft	180.00 ml/min
2/21/2023 11:03 AM	40:00	5.83 pH	17.14 °C	85.37 µS/cm	5.89 mg/L	0.35 NTU	99.7 mV	52.50 ft	180.00 ml/min
2/21/2023 11:08 AM	45:00	5.84 pH	17.24 °C	85.04 µS/cm	5.76 mg/L	0.36 NTU	98.7 mV	52.80 ft	180.00 ml/min
2/21/2023 11:13 AM	50:00	5.84 pH	17.23 °C	85.15 µS/cm	5.44 mg/L	0.39 NTU	98.0 mV	52.80 ft	180.00 ml/min
2/21/2023 11:18 AM	55:00	5.84 pH	17.24 °C	86.30 µS/cm	5.13 mg/L	0.39 NTU	97.1 mV	53.00 ft	180.00 ml/min
2/21/2023 11:23 AM	01:00:00	5.84 pH	17.45 °C	87.45 µS/cm	4.78 mg/L	0.25 NTU	96.6 mV	53.00 ft	180.00 ml/min
2/21/2023 11:28 AM	01:05:00	5.84 pH	18.35 °C	88.03 µS/cm	4.82 mg/L	0.27 NTU	96.6 mV	53.00 ft	180.00 ml/min

2/21/2023 11:33 AM	01:10:00	5.85 pH	17.45 °C	88.92 µS/cm	4.28 mg/L	0.30 NTU	95.5 mV	53.00 ft	180.00 ml/min
2/21/2023 11:38 AM	01:15:00	5.86 pH	17.38 °C	90.24 µS/cm	3.98 mg/L	0.41 NTU	95.0 mV	53.00 ft	180.00 ml/min
2/21/2023 11:43 AM	01:20:00	5.87 pH	17.36 °C	91.25 µS/cm	3.67 mg/L	0.40 NTU	94.2 mV	53.00 ft	180.00 ml/min
2/21/2023 11:48 AM	01:25:00	5.89 pH	17.28 °C	91.87 µS/cm	3.59 mg/L	0.35 NTU	93.7 mV	53.00 ft	180.00 ml/min
2/21/2023 11:53 AM	01:30:00	5.90 pH	17.38 °C	92.07 µS/cm	3.71 mg/L	0.18 NTU	93.4 mV	53.00 ft	180.00 ml/min
2/21/2023 11:58 AM	01:35:00	5.91 pH	17.39 °C	92.02 µS/cm	3.82 mg/L	0.23 NTU	93.0 mV	53.00 ft	180.00 ml/min
2/21/2023 12:03 PM	01:40:00	5.92 pH	17.32 °C	92.68 µS/cm	3.80 mg/L	0.20 NTU	107.8 mV	53.00 ft	180.00 ml/min
2/21/2023 12:08 PM	01:45:00	5.93 pH	17.55 °C	93.54 µS/cm	3.69 mg/L	0.21 NTU	108.6 mV	53.00 ft	180.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 2/21/2023 11:15:37 AM

Project: Plant Wansley Landfill

Operator Name: Toby Johnson

<b>Location Name: GWC-26</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 49.43 ft</b> <b>Total Depth: 59.43 ft</b> <b>Initial Depth to Water: 31.02 ft</b>	<b>Pump Type: Dedicated Bladder Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 54 ft</b> <b>Estimated Total Volume Pumped: 3 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 100 ml/min</b> <b>Final Draw Down: 16.56 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965658</b>
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## Test Notes:

Cloudy, sampled at 1145

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 10 %	+/- 10	+/- 100	+/- 5	
2/21/2023 11:15 AM	00:00	6.83 pH	19.50 °C	47.86 µS/cm	8.93 mg/L	3.68 NTU	98.0 mV	31.02 ft	100.00 ml/min
2/21/2023 11:20 AM	05:00	5.64 pH	17.63 °C	50.99 µS/cm	6.78 mg/L	1.74 NTU	101.0 mV	31.70 ft	100.00 ml/min
2/21/2023 11:25 AM	10:00	5.59 pH	17.40 °C	51.16 µS/cm	6.64 mg/L	3.01 NTU	102.7 mV	32.00 ft	100.00 ml/min
2/21/2023 11:30 AM	15:00	5.60 pH	17.27 °C	51.19 µS/cm	6.55 mg/L	4.16 NTU	102.5 mV	32.20 ft	100.00 ml/min
2/21/2023 11:35 AM	20:00	5.60 pH	17.38 °C	50.94 µS/cm	6.57 mg/L	4.35 NTU	102.9 mV	32.30 ft	100.00 ml/min
2/21/2023 11:40 AM	25:00	5.58 pH	17.38 °C	50.65 µS/cm	6.59 mg/L	3.15 NTU	104.8 mV	32.30 ft	100.00 ml/min
2/21/2023 11:45 AM	30:00	5.58 pH	17.27 °C	50.15 µS/cm	6.62 mg/L	2.27 NTU	104.4 mV	32.40 ft	100.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 2/20/2023 12:05:10 PM

Project: Plant Wansley Landfill

Operator Name: Toby Johnson

<b>Location Name: GWC-27</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 60.08 ft</b> <b>Total Depth: 70.08 ft</b> <b>Initial Depth to Water: 42.77 ft</b>	<b>Pump Type: Dedicated Bladder Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 65 ft</b> <b>Estimated Total Volume Pumped: 3.5 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 100 ml/min</b> <b>Final Draw Down: 18.36 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965658</b>
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## Test Notes:

Sunny, sampled at 1240

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 10 %	+/- 10	+/- 100	+/- 5	
2/20/2023 12:05 PM	00:00	6.98 pH	21.44 °C	47.30 µS/cm	8.57 mg/L	10.90 NTU	117.1 mV	42.77 ft	100.00 ml/min
2/20/2023 12:10 PM	05:00	5.50 pH	17.92 °C	33.53 µS/cm	5.19 mg/L	8.64 NTU	129.2 mV	43.50 ft	100.00 ml/min
2/20/2023 12:15 PM	10:00	5.37 pH	17.56 °C	27.87 µS/cm	4.65 mg/L	7.32 NTU	137.4 mV	43.80 ft	100.00 ml/min
2/20/2023 12:20 PM	15:00	5.35 pH	17.53 °C	28.16 µS/cm	4.43 mg/L	5.12 NTU	139.8 mV	44.00 ft	100.00 ml/min
2/20/2023 12:25 PM	20:00	5.34 pH	17.57 °C	28.06 µS/cm	4.45 mg/L	4.55 NTU	153.7 mV	44.20 ft	100.00 ml/min
2/20/2023 12:30 PM	25:00	5.31 pH	17.52 °C	27.83 µS/cm	4.35 mg/L	3.69 NTU	145.2 mV	44.30 ft	100.00 ml/min
2/20/2023 12:35 PM	30:00	5.34 pH	17.54 °C	27.87 µS/cm	4.40 mg/L	3.31 NTU	157.3 mV	44.30 ft	100.00 ml/min
2/20/2023 12:40 PM	35:00	5.33 pH	17.69 °C	27.84 µS/cm	4.30 mg/L	2.64 NTU	145.9 mV	44.30 ft	100.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 2/14/2023 1:35:29 PM

Project: Plant Wansley Landfill

Operator Name: Toby Johnson

<b>Location Name: GWA-28</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 35.78 ft</b> <b>Total Depth: 45.78 ft</b> <b>Initial Depth to Water: 24.9 ft</b>	<b>Pump Type: Peri Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 40 ft</b> <b>Estimated Total Volume Pumped: 3 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 100 ml/min</b> <b>Final Draw Down: 28.8 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965658</b>
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## Test Notes:

Sunny, sampled at 1405

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 10 %	+/- 10	+/- 100	+/- 5	
2/14/2023 1:35 PM	00:00	6.65 pH	20.75 °C	80.90 µS/cm	6.67 mg/L	2.58 NTU	58.6 mV	24.90 ft	100.00 ml/min
2/14/2023 1:40 PM	05:00	6.13 pH	18.79 °C	62.66 µS/cm	5.27 mg/L	0.99 NTU	58.7 mV	25.90 ft	100.00 ml/min
2/14/2023 1:45 PM	10:00	6.11 pH	18.53 °C	62.78 µS/cm	5.16 mg/L	0.73 NTU	62.3 mV	26.50 ft	100.00 ml/min
2/14/2023 1:50 PM	15:00	6.09 pH	18.57 °C	62.54 µS/cm	5.19 mg/L	1.01 NTU	67.1 mV	27.10 ft	100.00 ml/min
2/14/2023 1:55 PM	20:00	6.09 pH	18.48 °C	62.78 µS/cm	5.06 mg/L	0.60 NTU	70.2 mV	27.20 ft	100.00 ml/min
2/14/2023 2:00 PM	25:00	6.12 pH	18.43 °C	62.72 µS/cm	5.02 mg/L	0.71 NTU	70.7 mV	27.30 ft	100.00 ml/min
2/14/2023 2:05 PM	30:00	6.12 pH	18.32 °C	62.65 µS/cm	5.06 mg/L	0.70 NTU	73.5 mV	27.30 ft	100.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 2/13/2023 4:13:57 PM

Project: Plant Wansley Landfill

Operator Name: D. Johnson

<b>Location Name: GWA-29</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 47.13 ft</b> <b>Total Depth: 57.13 ft</b> <b>Initial Depth to Water: 40.21 ft</b>	<b>Pump Type: Dedicated Bladder Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 52 ft</b> <b>Estimated Total Volume Pumped: 6 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 0.48 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965678</b>
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## Test Notes:

Sample time 1644. Sunny, 62 degrees F.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 5	+/- 100	+/- 0.3	
2/13/2023 4:13 PM	00:00	7.52 pH	17.85 °C	94.95 µS/cm	7.91 mg/L	3.44 NTU	127.6 mV	40.21 ft	200.00 ml/min
2/13/2023 4:18 PM	05:00	5.62 pH	17.09 °C	86.76 µS/cm	5.38 mg/L	1.55 NTU	114.6 mV	40.25 ft	200.00 ml/min
2/13/2023 4:23 PM	10:00	5.59 pH	17.05 °C	85.69 µS/cm	5.05 mg/L	2.57 NTU	112.9 mV	40.25 ft	200.00 ml/min
2/13/2023 4:28 PM	15:00	5.55 pH	17.07 °C	85.50 µS/cm	4.93 mg/L	2.58 NTU	113.7 mV	40.25 ft	200.00 ml/min
2/13/2023 4:33 PM	20:00	5.64 pH	17.03 °C	86.02 µS/cm	4.89 mg/L	2.14 NTU	110.2 mV	40.25 ft	200.00 ml/min
2/13/2023 4:38 PM	25:00	5.64 pH	16.97 °C	86.42 µS/cm	4.93 mg/L	2.00 NTU	110.6 mV	40.25 ft	200.00 ml/min
2/13/2023 4:43 PM	30:00	5.64 pH	16.87 °C	86.57 µS/cm	4.84 mg/L	1.37 NTU	110.2 mV	40.25 ft	200.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 2/14/2023 3:20:07 PM

Project: Plant Wansley Landfill

Operator Name: D. Johnson

<b>Location Name: GWC-30</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 40.03 ft</b> <b>Total Depth: 50.03 ft</b> <b>Initial Depth to Water: 25.38 ft</b>	<b>Pump Type: Peri. Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 45 ft</b> <b>Estimated Total Volume Pumped: 5.62 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 125 ml/min</b> <b>Final Draw Down: 15.84 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965678</b>
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## Test Notes:

Sample time 1605. Sunny, 68 degrees F.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 5	+/- 100	+/- 0.3	
2/14/2023 3:20 PM	00:00	5.95 pH	20.34 °C	52.06 µS/cm	5.68 mg/L	3.32 NTU	119.8 mV	25.38 ft	125.00 ml/min
2/14/2023 3:25 PM	05:00	5.93 pH	18.27 °C	53.45 µS/cm	5.54 mg/L	3.22 NTU	101.6 mV	26.40 ft	125.00 ml/min
2/14/2023 3:30 PM	10:00	5.94 pH	18.09 °C	53.83 µS/cm	5.52 mg/L	3.25 NTU	95.8 mV	26.60 ft	125.00 ml/min
2/14/2023 3:35 PM	15:00	5.94 pH	18.09 °C	53.73 µS/cm	5.46 mg/L	3.28 NTU	92.2 mV	26.60 ft	125.00 ml/min
2/14/2023 3:40 PM	20:00	5.92 pH	18.17 °C	53.64 µS/cm	5.40 mg/L	4.26 NTU	114.1 mV	26.70 ft	125.00 ml/min
2/14/2023 3:45 PM	25:00	5.93 pH	18.06 °C	53.57 µS/cm	5.37 mg/L	4.61 NTU	112.7 mV	26.70 ft	125.00 ml/min
2/14/2023 3:50 PM	30:00	6.17 pH	18.16 °C	55.67 µS/cm	5.56 mg/L	3.43 NTU	109.6 mV	26.70 ft	125.00 ml/min
2/14/2023 3:55 PM	35:00	5.97 pH	18.01 °C	54.01 µS/cm	5.48 mg/L	1.87 NTU	109.7 mV	26.70 ft	125.00 ml/min
2/14/2023 4:00 PM	40:00	5.92 pH	17.99 °C	53.65 µS/cm	5.26 mg/L	1.86 NTU	86.0 mV	26.70 ft	125.00 ml/min
2/14/2023 4:05 PM	45:00	5.91 pH	17.99 °C	53.48 µS/cm	5.23 mg/L	2.07 NTU	84.1 mV	26.70 ft	125.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

**Test Date / Time:** 2/21/2023 9:35:08 AM

**Project:** Plant Wansley Landfill

**Operator Name:** Toby Johnson

<b>Location Name: GWC-31</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 28.02 ft</b> <b>Total Depth: 38.02 ft</b> <b>Initial Depth to Water: 29.13 ft</b>	<b>Pump Type: Portable Bladder Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 36 ft</b> <b>Estimated Total Volume Pumped: 8.125 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 125 ml/min</b> <b>Final Draw Down: 82.44 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965658</b>
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## Test Notes:

Cloudy, purged dry no sample collected

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 10 %	+/- 10	+/- 100	+/- 5	
2/21/2023 9:35 AM	00:00	6.00 pH	18.57 °C	109.33 µS/cm	7.10 mg/L	18.20 NTU	99.9 mV	29.13 ft	125.00 ml/min
2/21/2023 9:40 AM	05:00	5.95 pH	18.02 °C	101.30 µS/cm	6.74 mg/L	10.70 NTU	87.2 mV	29.70 ft	125.00 ml/min
2/21/2023 9:45 AM	10:00	5.94 pH	17.78 °C	101.36 µS/cm	6.76 mg/L	11.80 NTU	89.8 mV	30.00 ft	125.00 ml/min
2/21/2023 9:50 AM	15:00	5.95 pH	17.69 °C	99.69 µS/cm	6.80 mg/L	11.60 NTU	87.2 mV	30.20 ft	125.00 ml/min
2/21/2023 9:55 AM	20:00	5.93 pH	17.54 °C	99.25 µS/cm	6.82 mg/L	10.90 NTU	88.7 mV	30.50 ft	125.00 ml/min
2/21/2023 10:00 AM	25:00	5.95 pH	17.56 °C	98.95 µS/cm	6.77 mg/L	10.30 NTU	88.5 mV	30.80 ft	125.00 ml/min
2/21/2023 10:05 AM	30:00	5.93 pH	17.54 °C	95.89 µS/cm	6.68 mg/L	10.60 NTU	88.8 mV	31.40 ft	125.00 ml/min
2/21/2023 10:10 AM	35:00	5.93 pH	17.54 °C	95.23 µS/cm	6.55 mg/L	10.20 NTU	89.0 mV	31.90 ft	125.00 ml/min
2/21/2023 10:15 AM	40:00	5.94 pH	17.67 °C	93.91 µS/cm	6.53 mg/L	10.40 NTU	88.9 mV	32.20 ft	125.00 ml/min
2/21/2023 10:20 AM	45:00	5.95 pH	17.64 °C	94.53 µS/cm	6.56 mg/L	12.60 NTU	90.0 mV	32.60 ft	125.00 ml/min
2/21/2023 10:25 AM	50:00	5.93 pH	17.54 °C	91.12 µS/cm	6.71 mg/L	12.70 NTU	90.1 mV	33.70 ft	125.00 ml/min
2/21/2023 10:30 AM	55:00	5.94 pH	17.63 °C	93.91 µS/cm	6.82 mg/L	11.40 NTU	90.8 mV	34.60 ft	125.00 ml/min
2/21/2023 10:35 AM	01:00:00	5.98 pH	17.68 °C	101.01 µS/cm	6.84 mg/L	11.00 NTU	93.6 mV	35.20 ft	125.00 ml/min
2/21/2023 10:40 AM	01:05:00	5.97 pH	17.98 °C	100.32 µS/cm	6.74 mg/L	13.50 NTU	91.1 mV	36.00 ft	125.00 ml/min

# Low-Flow Test Report:

Test Date / Time: 2/22/2023 9:06:08 AM

Project: Plant Wansley Landfill

Operator Name: D. Johnson

<b>Location Name: GWC-31</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 28.02 ft</b> <b>Total Depth: 38.02 ft</b> <b>Initial Depth to Water: 31.2 ft</b>	<b>Pump Type: Portable Bladder Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 34 ft</b> <b>Estimated Total Volume Pumped: 4.3 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 125 ml/min</b> <b>Final Draw Down: 33.6 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965678</b>
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## Test Notes:

Cloudy, 63 degrees F. Sample time 0941.

EB-07 here with Water Level Meter @ 0945

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 5	+/- 100	+/- 0.3	
2/22/2023 9:06 AM	00:00	6.26 pH	17.37 °C	105.62 µS/cm	8.05 mg/L	17.50 NTU	127.5 mV	31.20 ft	125.00 ml/min
2/22/2023 9:11 AM	05:00	6.06 pH	17.14 °C	98.00 µS/cm	7.12 mg/L	13.20 NTU	111.8 mV	31.90 ft	125.00 ml/min
2/22/2023 9:16 AM	10:00	6.03 pH	17.25 °C	97.91 µS/cm	7.08 mg/L	11.60 NTU	138.0 mV	32.30 ft	125.00 ml/min
2/22/2023 9:21 AM	15:00	6.04 pH	17.32 °C	98.24 µS/cm	7.09 mg/L	11.00 NTU	137.5 mV	32.60 ft	125.00 ml/min
2/22/2023 9:26 AM	20:00	6.04 pH	17.37 °C	98.14 µS/cm	7.10 mg/L	10.40 NTU	136.0 mV	33.00 ft	125.00 ml/min
2/22/2023 9:31 AM	25:00	6.04 pH	17.36 °C	97.76 µS/cm	7.09 mg/L	9.52 NTU	134.3 mV	33.30 ft	125.00 ml/min
2/22/2023 9:36 AM	30:00	6.03 pH	17.37 °C	96.15 µS/cm	7.10 mg/L	9.48 NTU	132.6 mV	33.60 ft	125.00 ml/min
2/22/2023 9:41 AM	35:00	6.03 pH	17.39 °C	96.54 µS/cm	7.08 mg/L	9.41 NTU	130.7 mV	34.00 ft	125.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 2/15/2023 9:58:11 AM

Project: Plant Wansley Landfill

Operator Name: D. Johnson

<b>Location Name: GWC-32</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 21.49 ft</b> <b>Total Depth: 31.49 ft</b> <b>Initial Depth to Water: 24.75 ft</b>	<b>Pump Type: Peri. Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 26 ft</b> <b>Estimated Total Volume Pumped: 14 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 200 ml/min</b> <b>Final Draw Down: 41.4 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965678</b>
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## Test Notes:

Raining. 60 degrees F. Sample time 1108.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 5	+/- 100	+/- 0.3	
2/15/2023 9:58 AM	00:00	6.21 pH	14.46 °C	127.85 µS/cm	8.07 mg/L	3.00 NTU	146.4 mV	24.75 ft	200.00 ml/min
2/15/2023 10:03 AM	05:00	5.95 pH	15.84 °C	102.41 µS/cm	7.16 mg/L	2.07 NTU	113.4 mV	25.20 ft	200.00 ml/min
2/15/2023 10:08 AM	10:00	5.97 pH	16.02 °C	100.35 µS/cm	7.06 mg/L	1.59 NTU	101.5 mV	25.50 ft	200.00 ml/min
2/15/2023 10:13 AM	15:00	5.98 pH	15.97 °C	99.75 µS/cm	7.22 mg/L	1.00 NTU	95.5 mV	25.50 ft	200.00 ml/min
2/15/2023 10:18 AM	20:00	5.99 pH	16.00 °C	99.74 µS/cm	7.43 mg/L	0.86 NTU	92.1 mV	26.20 ft	200.00 ml/min
2/15/2023 10:23 AM	25:00	5.99 pH	16.12 °C	100.43 µS/cm	7.37 mg/L	0.73 NTU	89.8 mV	26.50 ft	200.00 ml/min
2/15/2023 10:28 AM	30:00	5.99 pH	16.19 °C	100.43 µS/cm	7.17 mg/L	0.56 NTU	88.0 mV	26.50 ft	200.00 ml/min
2/15/2023 10:33 AM	35:00	5.99 pH	16.11 °C	100.87 µS/cm	7.00 mg/L	0.68 NTU	86.7 mV	27.30 ft	200.00 ml/min
2/15/2023 10:38 AM	40:00	5.99 pH	16.11 °C	101.82 µS/cm	6.98 mg/L	0.46 NTU	85.3 mV	27.40 ft	200.00 ml/min
2/15/2023 10:43 AM	45:00	5.99 pH	16.20 °C	102.12 µS/cm	6.68 mg/L	0.42 NTU	84.6 mV	27.40 ft	200.00 ml/min
2/15/2023 10:48 AM	50:00	5.99 pH	16.31 °C	101.56 µS/cm	6.63 mg/L	0.47 NTU	83.6 mV	27.40 ft	200.00 ml/min
2/15/2023 10:53 AM	55:00	5.98 pH	16.39 °C	102.68 µS/cm	6.47 mg/L	0.37 NTU	82.7 mV	28.20 ft	200.00 ml/min
2/15/2023 10:58 AM	01:00:00	5.98 pH	16.34 °C	102.80 µS/cm	6.22 mg/L	0.34 NTU	81.8 mV	28.20 ft	200.00 ml/min
2/15/2023 11:03 AM	01:05:00	5.99 pH	16.41 °C	102.86 µS/cm	6.20 mg/L	0.33 NTU	81.3 mV	28.20 ft	200.00 ml/min
2/15/2023 11:08 AM	01:10:00	5.98 pH	16.39 °C	104.22 µS/cm	5.96 mg/L	0.35 NTU	80.8 mV	28.20 ft	200.00 ml/min

# Low-Flow Test Report:

Test Date / Time: 2/20/2023 10:02:53 AM

Project: Plant Wansley Landfill

Operator Name: D. Johnson

<b>Location Name: GWC-33</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 13.99 ft</b> <b>Total Depth: 23.99 ft</b> <b>Initial Depth to Water: 13.24 ft</b>	<b>Pump Type: Peri Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 18 ft</b> <b>Estimated Total Volume Pumped: 13.25 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 100 ml/min</b> <b>Final Draw Down: 58.32 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965678</b>
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## Test Notes:

Sunny, 56 degrees F. Sample time 1208.

Water level went into screen.

Purge rate lowered for water level stabilization.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 5	+/- 100	+/- 0.3	
2/20/2023 10:02 AM	00:00	6.51 pH	19.35 °C	137.08 µS/cm	6.86 mg/L	1.26 NTU	109.6 mV	13.24 ft	150.00 ml/min
2/20/2023 10:07 AM	05:00	6.43 pH	17.37 °C	142.01 µS/cm	6.68 mg/L	0.28 NTU	101.6 mV	13.70 ft	150.00 ml/min
2/20/2023 10:12 AM	10:00	6.43 pH	17.37 °C	142.30 µS/cm	6.67 mg/L	0.33 NTU	101.1 mV	14.00 ft	150.00 ml/min
2/20/2023 10:17 AM	15:00	6.44 pH	17.54 °C	142.14 µS/cm	6.65 mg/L	0.40 NTU	100.5 mV	14.30 ft	100.00 ml/min
2/20/2023 10:22 AM	20:00	6.44 pH	17.72 °C	142.29 µS/cm	6.64 mg/L	0.45 NTU	100.7 mV	14.80 ft	100.00 ml/min
2/20/2023 10:27 AM	25:00	6.44 pH	17.86 °C	141.55 µS/cm	6.60 mg/L	0.43 NTU	100.1 mV	15.10 ft	100.00 ml/min
2/20/2023 10:32 AM	30:00	6.43 pH	17.85 °C	141.12 µS/cm	6.56 mg/L	0.67 NTU	112.1 mV	15.60 ft	100.00 ml/min
2/20/2023 10:37 AM	35:00	6.42 pH	18.08 °C	139.63 µS/cm	6.46 mg/L	0.45 NTU	113.6 mV	15.60 ft	100.00 ml/min
2/20/2023 10:42 AM	40:00	6.41 pH	18.21 °C	138.89 µS/cm	6.37 mg/L	0.49 NTU	114.4 mV	16.00 ft	100.00 ml/min
2/20/2023 10:47 AM	45:00	6.40 pH	18.30 °C	138.52 µS/cm	6.28 mg/L	0.54 NTU	101.9 mV	16.30 ft	100.00 ml/min
2/20/2023 10:52 AM	50:00	6.40 pH	18.42 °C	137.73 µS/cm	6.22 mg/L	0.56 NTU	101.3 mV	16.50 ft	100.00 ml/min
2/20/2023 10:57 AM	55:00	6.39 pH	18.57 °C	137.85 µS/cm	6.19 mg/L	0.48 NTU	100.8 mV	16.80 ft	100.00 ml/min
2/20/2023 11:02 AM	01:00:00	6.29 pH	18.59 °C	135.97 µS/cm	6.13 mg/L	0.46 NTU	101.1 mV	16.80 ft	100.00 ml/min
2/20/2023 11:07 AM	01:05:00	6.26 pH	18.79 °C	133.93 µS/cm	6.13 mg/L	0.42 NTU	101.0 mV	16.80 ft	100.00 ml/min

2/20/2023 11:12 AM	01:10:00	6.24 pH	19.08 °C	132.27 µS/cm	6.10 mg/L	0.44 NTU	101.1 mV	16.90 ft	100.00 ml/min
2/20/2023 11:17 AM	01:15:00	6.27 pH	18.96 °C	135.06 µS/cm	6.04 mg/L	0.90 NTU	100.8 mV	17.20 ft	100.00 ml/min
2/20/2023 11:22 AM	01:20:00	6.26 pH	18.90 °C	134.97 µS/cm	6.20 mg/L	0.57 NTU	100.8 mV	17.60 ft	100.00 ml/min
2/20/2023 11:27 AM	01:25:00	6.22 pH	18.98 °C	129.89 µS/cm	6.21 mg/L	0.44 NTU	100.8 mV	17.60 ft	100.00 ml/min
2/20/2023 11:32 AM	01:30:00	6.18 pH	18.80 °C	128.10 µS/cm	6.11 mg/L	0.34 NTU	113.5 mV	17.60 ft	100.00 ml/min
2/20/2023 11:37 AM	01:35:00	6.19 pH	18.88 °C	129.01 µS/cm	6.08 mg/L	0.38 NTU	101.8 mV	17.70 ft	100.00 ml/min
2/20/2023 11:42 AM	01:40:00	6.19 pH	19.19 °C	128.79 µS/cm	5.96 mg/L	0.55 NTU	101.4 mV	17.90 ft	100.00 ml/min
2/20/2023 11:47 AM	01:45:00	6.20 pH	19.10 °C	129.83 µS/cm	5.90 mg/L	0.35 NTU	113.9 mV	18.10 ft	100.00 ml/min
2/20/2023 11:52 AM	01:50:00	6.21 pH	19.14 °C	130.36 µS/cm	5.88 mg/L	0.39 NTU	115.0 mV	18.10 ft	100.00 ml/min
2/20/2023 11:57 AM	01:55:00	6.22 pH	19.20 °C	130.29 µS/cm	5.78 mg/L	0.45 NTU	115.8 mV	18.10 ft	100.00 ml/min
2/20/2023 12:02 PM	02:00:00	6.22 pH	19.29 °C	130.26 µS/cm	5.83 mg/L	0.28 NTU	102.4 mV	18.10 ft	100.00 ml/min
2/20/2023 12:07 PM	02:05:00	6.21 pH	19.50 °C	130.18 µS/cm	5.84 mg/L	0.30 NTU	101.7 mV	18.10 ft	100.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 2/20/2023 12:52:10 PM

Project: Plant Wansley Landfill

Operator Name: D. Johnson

<b>Location Name: GWC-34</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 41.25 ft</b> <b>Total Depth: 51.25 ft</b> <b>Initial Depth to Water: 3.45 ft</b>	<b>Pump Type: Peri Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 46 ft</b> <b>Estimated Total Volume Pumped: 10.125 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 225 ml/min</b> <b>Final Draw Down: 2.04 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965678</b>
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## Test Notes:

Sunny, 66 degrees F. Sample time 1337. EB-05 here.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 100	+/- 5 %	+/- 10 %	+/- 5	+/- 100	+/- 0.3	
2/20/2023 12:52 PM	00:00	6.78 pH	26.68 °C	47.64 µS/cm	5.48 mg/L	1.11 NTU	118.9 mV	3.45 ft	225.00 ml/min
2/20/2023 12:57 PM	05:00	6.63 pH	19.57 °C	52.51 µS/cm	6.71 mg/L	0.26 NTU	107.2 mV	3.62 ft	225.00 ml/min
2/20/2023 1:02 PM	10:00	6.61 pH	19.15 °C	53.10 µS/cm	6.81 mg/L	0.32 NTU	103.3 mV	3.62 ft	225.00 ml/min
2/20/2023 1:07 PM	15:00	6.60 pH	19.23 °C	53.29 µS/cm	6.82 mg/L	0.27 NTU	100.4 mV	3.62 ft	225.00 ml/min
2/20/2023 1:12 PM	20:00	6.54 pH	19.50 °C	52.73 µS/cm	6.50 mg/L	0.26 NTU	98.9 mV	3.62 ft	225.00 ml/min
2/20/2023 1:17 PM	25:00	6.25 pH	19.59 °C	51.13 µS/cm	5.40 mg/L	0.21 NTU	98.3 mV	3.62 ft	225.00 ml/min
2/20/2023 1:22 PM	30:00	6.16 pH	19.39 °C	50.99 µS/cm	4.97 mg/L	0.48 NTU	97.8 mV	3.62 ft	225.00 ml/min
2/20/2023 1:27 PM	35:00	6.05 pH	19.53 °C	50.03 µS/cm	4.16 mg/L	0.35 NTU	97.6 mV	3.62 ft	225.00 ml/min
2/20/2023 1:32 PM	40:00	6.03 pH	19.61 °C	50.03 µS/cm	4.05 mg/L	0.26 NTU	110.9 mV	3.62 ft	225.00 ml/min
2/20/2023 1:37 PM	45:00	5.96 pH	19.77 °C	48.99 µS/cm	3.55 mg/L	0.36 NTU	98.2 mV	3.62 ft	225.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

Test Date / Time: 2/20/2023 1:40:43 PM

Project: Plant Wansley Landfill

Operator Name: Toby Johnson

<b>Location Name: GWC-35</b> <b>Well Diameter: 2 in</b> <b>Casing Type: PVC</b> <b>Screen Length: 10 ft</b> <b>Top of Screen: 30.78 ft</b> <b>Total Depth: 40.78 ft</b> <b>Initial Depth to Water: 6.87 ft</b>	<b>Pump Type: Peri Pump</b> <b>Tubing Type: Poly</b> <b>Pump Intake From TOC: 35 ft</b> <b>Estimated Total Volume Pumped: 6.3 liter</b> <b>Flow Cell Volume: 90 ml</b> <b>Final Flow Rate: 210 ml/min</b> <b>Final Draw Down: 1.56 in</b>	<b>Instrument Used: Aqua TROLL 400</b> <b>Serial Number: 965658</b>
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## Test Notes:

Sunny, sampled at 1410

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water	Flow
		+/- 0.1	+/- 2	+/- 5 %	+/- 10 %	+/- 10	+/- 100	+/- 5	
2/20/2023 1:40 PM	00:00	5.57 pH	19.86 °C	64.87 µS/cm	1.35 mg/L	23.50 NTU	142.1 mV	6.87 ft	210.00 ml/min
2/20/2023 1:45 PM	05:00	5.78 pH	19.70 °C	61.74 µS/cm	4.82 mg/L	6.94 NTU	139.4 mV	6.90 ft	210.00 ml/min
2/20/2023 1:50 PM	10:00	5.54 pH	19.73 °C	65.10 µS/cm	1.92 mg/L	4.70 NTU	150.2 mV	7.00 ft	210.00 ml/min
2/20/2023 1:55 PM	15:00	5.53 pH	19.68 °C	65.27 µS/cm	1.79 mg/L	1.92 NTU	140.4 mV	7.00 ft	210.00 ml/min
2/20/2023 2:00 PM	20:00	5.52 pH	19.67 °C	65.11 µS/cm	1.79 mg/L	2.06 NTU	139.6 mV	7.00 ft	210.00 ml/min
2/20/2023 2:05 PM	25:00	5.52 pH	19.63 °C	65.13 µS/cm	1.73 mg/L	1.17 NTU	138.5 mV	7.00 ft	210.00 ml/min
2/20/2023 2:10 PM	30:00	5.51 pH	19.55 °C	65.61 µS/cm	1.75 mg/L	0.75 NTU	138.3 mV	7.00 ft	210.00 ml/min

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

**Test Date / Time:** 2/22/2023 12:50:16 PM

**Project:** Plant Wansley Landfill

**Operator Name:** Toby Johnson

<b>Location Name: SWA-1</b>	<b>Flow Cell Volume: 90 ml</b>	<b>Instrument Used: Aqua TROLL 400 Serial Number: 965678</b>
-----------------------------	--------------------------------	--

## Test Notes:

Sunny. Sample time 1251.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10
2/22/2023 12:50 PM	00:00	7.24 pH	23.61 °C	37.46 µS/cm	9.36 mg/L	3.76 NTU	82.9 mV
2/22/2023 12:51 PM	01:00	7.17 pH	23.34 °C	38.18 µS/cm	9.82 mg/L	3.76 NTU	90.2 mV

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

**Test Date / Time:** 2/22/2023 12:05:05 PM

**Project:** Plant Wansley Landfill

**Operator Name:** Toby Johnson

<b>Location Name: SWA-6</b>	<b>Flow Cell Volume: 90 ml</b>	<b>Instrument Used: Aqua TROLL 400 Serial Number: 965678</b>
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## Test Notes:

Sunny. Sample time 1206.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10
2/22/2023 12:05 PM	00:00	6.90 pH	21.43 °C	78.35 µS/cm	8.57 mg/L	4.52 NTU	83.3 mV
2/22/2023 12:06 PM	01:00	6.92 pH	21.24 °C	79.42 µS/cm	8.78 mg/L	4.52 NTU	81.8 mV

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

**Test Date / Time:** 2/22/2023 11:49:05 AM

**Project:** Plant Wansley Landfill

**Operator Name:** Toby Johnson

<b>Location Name: SWC-5</b>	<b>Flow Cell Volume: 90 ml</b>	<b>Instrument Used: Aqua TROLL 400 Serial Number: 965678</b>
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## Test Notes:

Sunny, sampled at 1150

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP	Depth to Water
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10	+/- 5
2/22/2023 11:49 AM	00:00	6.19 pH	22.26 °C	254.30 µS/cm	5.52 mg/L	3.13 NTU	114.8 mV	
2/22/2023 11:50 AM	01:00	6.19 pH	22.09 °C	258.86 µS/cm	5.61 mg/L	3.13 NTU	111.6 mV	

## Samples

Sample ID:	Description:
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# Low-Flow Test Report:

**Test Date / Time:** 2/22/2023 12:22:07 PM

**Project:** Plant Wansley Landfill

**Operator Name:** Toby Johnson

<b>Location Name: SWC-7</b>	<b>Flow Cell Volume: 90 ml</b>	<b>Instrument Used: Aqua TROLL 400 Serial Number: 965678</b>
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## Test Notes:

Sunny. Sample time 1223.

## Low-Flow Readings:

Date Time	Elapsed Time	pH	Temperature	Specific Conductivity	RDO Concentration	Turbidity	ORP
		+/- 0.1	+/- 0.5	+/- 3 %	+/- 0.3	+/- 10	+/- 10
2/22/2023 12:22 PM	00:00	7.04 pH	21.33 °C	80.00 µS/cm	8.86 mg/L	3.76 NTU	76.9 mV
2/22/2023 12:23 PM	01:00	7.03 pH	20.80 °C	81.53 µS/cm	9.96 mg/L	3.76 NTU	74.1 mV

## Samples

Sample ID:	Description:
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## APPENDIX A

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*Daily Instrument Calibration Logs  
February 2023 Monitoring Event*



ATLANTIC COAST  
CONSULTING, INC.

### Daily Instrument Calibration Log

SITE: Plant Wansley LF  
 TECHNICIAN: Toby Johnson  
 WATER LEVEL: Solinst  
 WATER LEVEL S/N: 322101

INSTRUMENT S/N: 965658  
 INSTRUMENT TYPE: AquaTroll  
 CAL. SOLUTIONS:

ID: <u>ORP</u>	LOT #: <u>26L022</u>	EXP. DATE: <u>9/23</u>
ID: <u>Cond</u>	LOT #: <u>26I642</u>	EXP. DATE: <u>9/23</u>
ID: <u>pH4</u>	LOT #: <u>26H670</u>	EXP. DATE: <u>8/24</u>
ID: <u>pH7</u>	LOT #: <u>26I304</u>	EXP. DATE: <u>9/24</u>
ID: <u>pH10</u>	LOT #: <u>26H903</u>	EXP. DATE: <u>8/24</u>
ID:	LOT #:	EXP. DATE:
ID:	LOT #:	EXP. DATE:

Midday pH check

Must be less than .10

(6.90-7.10 range)

Recalibrate if not within range

Calibration Date: 2/14/23  
 RDO: 100% sat. = 90.41 Midday pH check  
 PH: 4.00 = 3.92      7.00 = 6.94      10.00 = 9.84      7.0 = 7.01  
 PH Recal (if needed): 4.00 =      7.00 =      10.00 =      7.0 =      post recal check  
 CONDUCTIVITY: 1413 = 1024.4  
 ORP (mV) 240 = 235.1

Calibration Date: 2/15/23  
 RDO: 100% sat. = 109.14 Midday pH check  
 PH: 4.00 = 4.07      7.00 = 7.03      10.00 = 10.18      7.0 = 6.98  
 PH Recal (if needed): 4.00 =      7.00 =      10.00 =      7.0 =      post recal check  
 CONDUCTIVITY: 1413 = 1225.9  
 ORP (mV) 240 = 240.9

Calibration Date: 2/16/23  
 RDO: 100% sat. = 103.30 Midday pH check  
 PH: 4.00 = 4.09      7.00 = 7.05      10.00 = 10.00      7.0 = 7.02  
 PH Recal (if needed): 4.00 =      7.00 =      10.00 =      7.0 =      post recal check  
 CONDUCTIVITY: 1413 = 1178.9  
 ORP (mV) 240 = 239.7

Calibration Date: 2/20/23  
 RDO: 100% sat. = 97.12 Midday pH check  
 PH: 4.00 = 3.97      7.00 = 7.05      10.00 = 10.12      7.0 = 6.99  
 PH Recal (if needed): 4.00 =      7.00 =      10.00 =      7.0 =      post recal check  
 CONDUCTIVITY: 1413 = 1136.9  
 ORP (mV) 240 = 241.3

Calibration Date: 2/21/23  
 RDO: 100% sat. = 102.58 Midday pH check  
 PH: 4.00 = 4.04      7.00 = 7.06      10.00 = 10.08      7.0 = 7.03  
 PH Recal (if needed): 4.00 =      7.00 =      10.00 =      7.0 =      post recal check  
 CONDUCTIVITY: 1413 = 1209.5  
 ORP (mV) 240 = 237.1



### Daily Instrument Calibration Log

SITE: Plant Wansley  
TECHNICIAN: Toby Johnson

INSTRUMENT S/N: 11090C012353  
INSTRUMENT TYPE: Hach 2100Q  
CAL. SOLUTION: 0 NTU - LOT # \_\_\_\_\_ EXP. DATE: \_\_\_\_\_ D.I water New  
10 NTU - LOT # A2122 EXP. DATE: 8/23  
20 NTU - LOT # A2124 EXP. DATE: 8/23

Calibration Date: 2/14/23

Calibration Solution	Instrument Reading	
0.0	0.19	NTU
10.0	9.98	NTU
20.0	19.8	NTU

Calibration Date: 2/15/23

Calibration Solution	Instrument Reading	
0.0	0.16	NTU
10.0	10.0	NTU
20.0	20.1	NTU

Calibration Date: 2/16/23

Calibration Solution	Instrument Reading	
0.0	0.11	NTU
10.0	9.02	NTU
20.0	20.1	NTU

Calibration Date: 2/20/23

Calibration Solution	Instrument Reading	
0.0	0.24	NTU
10.0	9.10	NTU
20.0	20.2	NTU

Calibration Date: 2/21/23

Calibration Solution	Instrument Reading	
0.0	0.32	NTU
10.0	9.15 10.1	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: D. Johnson  
 WATER LEVEL: Scinist  
 WATER LEVEL S/N: 530984

INSTRUMENT S/N: 965678  
 INSTRUMENT TYPE: AquaTroll  
 CAL. SOLUTIONS:  
 ID: PH4 LOT #: 266184 EXP. DATE: 7/2024  
 ID: PH7 LOT #: 264042 EXP. DATE: 7/2024  
 ID: PH10 LOT #: 16F458 EXP. DATE: 06/2023  
 ID: Cond. LOT #: 26F806 EXP. DATE: 06/2023  
 ID: ORP240 LOT #: 26E207 EXP. DATE: June 2023 Midday pH check  
 ID: \_\_\_\_\_ LOT #: \_\_\_\_\_ EXP. DATE: \_\_\_\_\_ Must be less than .10  
 ID: \_\_\_\_\_ LOT #: \_\_\_\_\_ EXP. DATE: \_\_\_\_\_ (6.90-7.10 range)  
 Recalibrate if not within range

Calibration Date: 2/13/23  
 RDO: 100% sat. = 101.90 Midday pH check  
 PH: 4.00 = 3.94 7.00 = 6.96 10.00 = 10.15 7.0 = 7.08  
 PH Recal (if needed): 4.00 = \_\_\_\_\_ 7.00 = \_\_\_\_\_ 10.00 = \_\_\_\_\_ 7.0 = \_\_\_\_\_ post recal check  
 CONDUCTIVITY: 1413 = 988.09  
 ORP (mV) 240 = 246.3

Calibration Date: 2/14/23  
 RDO: 100% sat. = 102 Midday pH check  
 PH: 4.00 = 3.88 7.00 = 7.17 10.00 = 10.53 7.0 = 7.01  
 PH Recal (if needed): 4.00 = \_\_\_\_\_ 7.00 = \_\_\_\_\_ 10.00 = \_\_\_\_\_ 7.0 = \_\_\_\_\_ post recal check  
 CONDUCTIVITY: 1413 = 1108  
 ORP (mV) 240 = 254.5

Calibration Date: 2/15/23  
 RDO: 100% sat. = 98.5371 Midday pH check  
 PH: 4.00 = 4.14 7.00 = 7.00 10.00 = 10.18 7.0 = 7.03  
 PH Recal (if needed): 4.00 = \_\_\_\_\_ 7.00 = \_\_\_\_\_ 10.00 = \_\_\_\_\_ 7.0 = \_\_\_\_\_ post recal check  
 CONDUCTIVITY: 1413 = 1121.9  
 ORP (mV) 240 = 235.6

Calibration Date: 2/16/23  
 RDO: 100% sat. = 100.28 Midday pH check  
 PH: 4.00 = 3.99 7.00 = 7.04 10.00 = 10.07 7.0 = 6.99  
 PH Recal (if needed): 4.00 = \_\_\_\_\_ 7.00 = \_\_\_\_\_ 10.00 = \_\_\_\_\_ 7.0 = \_\_\_\_\_ post recal check  
 CONDUCTIVITY: 1413 = 1233.8  
 ORP (mV) 240 = 234.8

Calibration Date: 2/17/23  
 RDO: 100% sat. = 99.60 Midday pH check  
 PH: 4.00 = 4.04 7.00 = 7.01 10.00 = 10.06 7.0 = 7.04  
 PH Recal (if needed): 4.00 = \_\_\_\_\_ 7.00 = \_\_\_\_\_ 10.00 = \_\_\_\_\_ 7.0 = \_\_\_\_\_ post recal check  
 CONDUCTIVITY: 1413 = 1248.2  
 ORP (mV) 240 = 239



ATLANTIC COAST CONSULTING, INC.

### Daily Instrument Calibration Log

SITE: Plant Wansley Landfill  
 TECHNICIAN: D. Johnson  
 WATER LEVEL: Scinist  
 WATER LEVEL S/N: 530984

INSTRUMENT S/N: 965678  
 INSTRUMENT TYPE: AquaTroll  
 CAL. SOLUTIONS:  
 ID: Cond. LOT #: 261642 EXP. DATE: 09/23  
 ID: pH 10 LOT #: 266018 EXP. DATE: 07/24  
 ID: pH 7 LOT #: 261304 EXP. DATE: 09/24  
 ID: pH 4 LOT #: 261670 EXP. DATE: 08/24  
 ID: ORP LOT #: 261207 EXP. DATE: June 123 **Midday pH check**  
 ID: LOT #: EXP. DATE: **Must be less than .10**  
 ID: LOT #: EXP. DATE: **(6.90-7.10 range)**

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

**Calibration Date:** 2/20/23

RDO: 100% sat. = 101.01% **Midday pH check**  
 PH: 4.00 = 4.02 7.00 = 7.01 10.00 = 10.07 7.0 = 6.98  
 PH Recal (if needed): 4.00 = 7.00 = 10.00 = 7.0 = **post recal check**  
 CONDUCTIVITY: 1413 = 1203.3  
 ORP (mV) 240 = 240.8

**Calibration Date:** 2/21/23

RDO: 100% sat. = 99.45 **Midday pH check**  
 PH: 4.00 = 4.04 7.00 = 7.03 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 = 1231.2  
 ORP (mV) 240 = 235.1

**Calibration Date:** 2/22/23

RDO: 100% sat. = 100.48 **Midday pH check**  
 PH: 4.00 = 4.03 7.00 = 7.01 10.00 = 10.03 7.0 = 7.01  
 PH Recal (if needed): 4.00 = 7.00 = 10.00 = 7.0 = **post recal check**  
 CONDUCTIVITY: 1413 = 1260.2  
 ORP (mV) 240 = 236.1

**Calibration Date:**

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

**Calibration Date:**

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





## Daily Instrument Calibration Log

SITE: Plant Wansley  
TECHNICIAN: D. Johnson

INSTRUMENT S/N: 22080000803  
INSTRUMENT TYPE: Hach 2100Q  
CAL. SOLUTION: 0 NTU - LOT # \_\_\_\_\_ EXP. DATE: \_\_\_\_\_ DI water  
10 NTU - LOT # A2085 EXP. DATE: July-23  
20 NTU - LOT # A2200 EXP. DATE: Nov-23

Calibration Date: 8/13/23

Calibration Solution	Instrument Reading	
0.0	0.32	NTU
10.0	9.04	NTU
20.0	18.7	NTU

Calibration Date: 2/14/23

Calibration Solution	Instrument Reading	
0.0	0.30	NTU
10.0	9.04	NTU
20.0	20.5	NTU

Calibration Date: 2/15/23

Calibration Solution	Instrument Reading	
0.0	0.583	NTU
10.0	9.01	NTU
20.0	20.4	NTU

Calibration Date: 2/16/23

Calibration Solution	Instrument Reading	
0.0	0.38	NTU
10.0	9.16	NTU
20.0	20.4	NTU

Calibration Date: 2/17/23

Calibration Solution	Instrument Reading	
0.0	0.26	NTU
10.0	9.01	NTU
20.0	21.8	NTU

Calibration Date:

Calibration Solution	Instrument Reading	
0.0		NTU
10.0		NTU
20.0		NTU



# Daily Instrument Calibration Log

SITE: Plant Wansley  
TECHNICIAN: D. Johnson

INSTRUMENT S/N: 220800 000803  
INSTRUMENT TYPE: Hach 2100Q  
CAL. SOLUTION: 0 NTU - LOT # ← EXP. DATE: ← D.I. Water  
10 NTU - LOT # A2085 EXP. DATE: July-23  
20 NTU - LOT # A2200 EXP. DATE: Nov-23

Calibration Date: 2/20/23

Calibration Solution	Instrument Reading	
0.0	0.29	NTU
10.0	9.16	NTU
20.0	18.7	NTU

Calibration Date: 2/21/23

Calibration Solution	Instrument Reading	
0.0	0.28	NTU
10.0	9.12	NTU
20.0	20.1	NTU

Calibration Date: 2/22/23

Calibration Solution	Instrument Reading	
0.0	0.33	NTU
10.0	9.25	NTU
20.0	20.2	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

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*Well Inspection Forms  
February 2023 Monitoring Event*

**Plant Wansley Landfill  
February 2023 Well Inspection Form**



Permit No.: 074-005D(CCR)

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 2023 Well Inspection Form**



Permit No.: 074-005D(CCR)

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 2023 Well Inspection Form**



Permit No.: 074-005D(CCR)

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 2023 Well Inspection Form**



Permit No.: 074-005D(CCR)

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

	<b>GWA-1</b>	<b>GWA-2</b>	<b>GWA-3</b>	<b>GWA-4</b>	<b>GWC-5</b>	<b>GWC-6</b>	<b>GWC-7</b>	<b>GWC-8</b>	<b>GWC-9</b>	<b>GWC-10</b>	<b>GWC-11</b>	<b>GWC-12</b>
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: D. Johnson, T. Johnson  
Date: 2/13/2023

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

**Plant Wansley Landfill  
February 2023 Well Inspection Form**



Permit No.: 074-005D(CCR)

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 2023 Well Inspection Form**



Permit No.: 074-005D(CCR)

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 2023 Well Inspection Form**



Permit No.: 074-005D(CCR)

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 2023 Well Inspection Form**



Permit No.: 074-005D(CCR)

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

	<b>GWC-13</b>	<b>GWC-14</b>	<b>GWC-15</b>	<b>GWC-16</b>	<b>GWC-17</b>	<b>GWC-18</b>	<b>GWC-19</b>	<b>GWC-20</b>	<b>GWC-21</b>	<b>GWC-22</b>	<b>GWC-23</b>	<b>GWC-24</b>
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: D. Johnson, T. Johnson  
Date: 2/13/2023

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

**Plant Wansley Landfill  
February 2023 Well Inspection Form**



Permit No.: 074-005D(CCR)

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 2023 Well Inspection Form**



Permit No.: 074-005D(CCR)

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 2023 Well Inspection Form**



Permit No.: 074-005D(CCR)

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 2023 Well Inspection Form**



Permit No.: 074-005D(CCR)

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

	<b>GWC-25</b>	<b>GWC-26</b>	<b>GWC-27</b>	<b>GWA-28</b>	<b>GWA-29</b>	<b>GWC-30</b>	<b>GWC-31</b>	<b>GWC-32</b>	<b>GWC-33</b>	<b>GWC-34</b>	<b>GWC-35</b>
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

7 - Corrective actions completed and date(s):

Staff: D. Johnson, T. Johnson  
Date: 2/13/2023

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

**APPENDIX B**  
**STATISTICAL ANALYSIS REPORT**

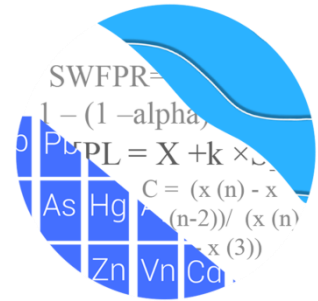


## APPENDIX B

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*Statistical Analysis Report  
February 2023 Monitoring Event*

# GROUNDWATER STATS CONSULTING



August 31, 2023

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

Re: Plant Wansley Landfill – February 2023 Statistical Analysis

Dear Ms. Jurinko,

Groundwater Stats Consulting, formerly the statistical consulting division of Sanitas Technologies, is pleased to provide the February 2023 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 Andrew Collins, Project Manager for 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 the background update, sufficient samples were available for Appendix I constituents to provide sufficient power using a 1-of-2 resample plan. A power curve was provided with the report. 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 in 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. 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 non-detect 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. 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 had insufficient samples to test for updating and will be evaluated 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 non-detect 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 variation in groundwater quality unrelated to practices at the facility.

Therefore, all records were updated through August 2021 except for barium in well GWC-14 where compliance concentrations were higher than historical concentrations within this well, and higher than concentrations reported in upgradient wells. A trend test was recommended at that time in lieu of an intrawell prediction limit for this well/constituent pair. Further research which included an Alternate Source Demonstration (ASD), reportedly, demonstrated the measurements were a result of natural variation rather than a result of practices at the facility and prediction limits resumed during the February 2023 analysis using a truncated portion of the more recent data for construction of the limit.

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. 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 2023**

Intrawell limits constructed from carefully screened background data from within each well serve to provide statistical limits that are representative of the background data population, and that will rapidly identify a change in more recent compliance data from within a given well. The most recent sample from the same well is compared to its respective background. This statistical method removes the element of variation from across wells and eliminates the chance of mistaking 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 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 spatial 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 D). No statistical analyses were required for well/constituent pairs with 100% non-detects. The February 2023 compliance data are compared to the intrawell background limits. Note that the prediction limits for arsenic at GWC-11, barium at upgradient wells GWA-28 and GWA-29 and downgradient well GWC-32, cobalt at upgradient well GWA-3, nickel at downgradient well GWC-31, vanadium at downgradient wells GWC-10, GWC-12, GWC-23, GWC-24, GWC-27, GWC-35, and GWC-7, zinc at downgradient wells GWC-10 and GWC-24 slightly changed as a result of the most recent reporting limits. No significant changes occurred.

For some well/constituent pairs containing <15% non-detects, such as beryllium at upgradient well GWA-29 and downgradient well GWC-27, chromium at downgradient wells GWC-11 and GWC-16, cobalt at downgradient wells GWC-24, GWC-25, and GWC-27, copper at upgradient well GWA-29, nickel at upgradient well GWA-29 and downgradient wells GWC-24 and GWC-6, vanadium at downgradient well GWC-22, and zinc at downgradient wells GWC-25 and GWC-31 parametric prediction limits slightly changed compared to those established during the background update. An update was made to the Sanitas™ statistical software in October 2022 that determines the percentage of non-detects within a given background record rather than all records evaluated for a given constituent. Simple substitution of ½ the reporting limit is applied when the percentage of non-detects is <15% in accordance with the USEPA EPA Unified Guidance (2009). No significant changes resulted from this implementation.

As discussed earlier, trend tests were previously used in lieu of prediction limits for barium at downgradient well GWC-14 due to more recent reported higher measurements. However, an ASD was prepared that, reportedly, demonstrated more recent observations were due to variation of groundwater quality rather than a result of practices at the facility. Therefore, a truncated portion of the more recent data was used to construct an intrawell prediction limit was used to evaluate barium at this well.

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:

- Barium: GWC-17, GWC-19, GWC-34, and GWC-35
- Nickel: GWC-19
- Zinc: GWC-9 and GWC-22

### 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 E). No statistical exceedances were noted; therefore, no further action is required.

## **Statistical Analysis of CCR Appendix III Parameters – February 2023**

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 5/1/2017 through 8/19/2021 (Figure F). The February 2023 samples were compared to established statistical limits. No exceedances were noted for any of these well/constituent pairs.

### Two-Step Approach

Following the two-step analysis procedure as mentioned above, interwell prediction limits would be constructed using pooled upgradient well data to evaluate any initial intrawell prediction limit exceedances. However, since no statistically significant increases were identified, no further action was necessary.

### Interwell Prediction Limits

For boron, calcium, chloride, and fluoride which are evaluated using all historical upgradient well data through February 2023 to construct interwell prediction limits combined with a 1-of-2 resample plan (Figure G). The following statistically significant increases were identified:

- Boron: GWC-14
- Chloride: GWC-14

### Trend Test Analysis – Appendix I and III Constituents

Data from downgradient well/constituent pairs for Appendix I and III constituents found to exceed their respective prediction limit are further evaluated using the Sen's Slope/Mann Kendall trend test along with upgradient wells for the same constituents

(Figure H). 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 variability in groundwater unrelated to practices at the site. The following statistically significant trends were identified:

#### Appendix I

##### Increasing:

- Barium: GWC-19, GWC-34, and GWC-35

##### Decreasing:

- Nickel: GWA-1, GWA-2, GWA-4, and GWC-29 (all upgradient)

#### Appendix III

None

No other statistically significant trends were identified for the Appendix I 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

None

#### Appendix III

- Boron: GWC-14
- Chloride: GWC-14

The Sen's Slope/Mann-Kendall trend test was used to identify statistically significant trends for any Appendix I and Appendix III well/constituent pairs initially found to exceed their respective prediction limit. While no prediction limit exceedances resulted for the Appendix I constituents, statistically significant increasing trends were identified for barium in downgradient wells GWC-19, GWC-34, and GWC-35.



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  
Senior Statistician



Andrew T. Collins  
Project Manager

# Date Ranges

Date: 3/29/2023 12:27 PM

Plant Wansley Client: Southern Company Data: Wansley Landfill

**Barium (mg/L)**

GWC-14 background:3/30/2016-8/23/2021

**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

# 100% Non-Detects

Analysis Run 3/29/2023 1:07 PM View: App I Intra  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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Antimony (mg/L)

GWC-12, GWC-14, GWC-15, GWC-16, GWC-17, GWC-19, 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)

GWC-10, GWC-13, GWC-5, GWC-7

Cadmium (mg/L)

GWC-10, GWC-12, GWC-15, GWC-16, GWC-17, GWC-18, GWC-20, GWC-23, GWC-26, GWC-27, GWC-30, GWC-32, GWC-33, GWC-35, GWC-5, GWC-6

Cobalt (mg/L)

GWC-13, GWC-17, GWC-18, GWC-30

Copper (mg/L)

GWC-18, GWC-30, GWC-32, GWC-7

Lead (mg/L)

GWC-14, GWC-32, GWC-35, GWC-6

Nickel (mg/L)

GWC-30

Selenium (mg/L)

GWC-10, GWC-17, GWC-19, GWC-20, GWC-23, GWC-24, GWC-34, GWC-7

Silver (mg/L)

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)

GWC-10, GWC-16, GWC-17, GWC-18, GWC-26, GWC-32, GWC-5

# Intrawell Prediction Limits (Appendix I) - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 4/3/2023, 9:54 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWC-17	0.02006	n/a	2/20/2023	0.025	Yes	30	0.01619	0.001462	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-19	0.1462	n/a	2/21/2023	0.15	Yes	30	0.06883	0.02923	3.333	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-34	0.0143	n/a	2/20/2023	0.015	Yes	29	0.0114	0.001086	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-35	0.02298	n/a	2/20/2023	0.031	Yes	30	0.02009	0.001091	0	None	No	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWC-19	0.0011	n/a	2/21/2023	0.0014	Yes	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-22	0.0068	n/a	2/14/2023	0.012	Yes	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-9	0.0094	n/a	2/15/2023	0.015	Yes	22	n/a	n/a	40.91	n/a	n/a	0.003707	NP Intra (normality) 1 of 2

# Intrawell Prediction Limits (Appendix I) - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 4/3/2023, 9:54 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Antimony (mg/L)	GWA-1	0.002	n/a	2/14/2023	0.00037J	No	30	n/a	n/a	100	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWA-2	0.0021	n/a	2/14/2023	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	2/14/2023	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	2/13/2023	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	2/14/2023	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)	GWA-4	0.002	n/a	2/14/2023	0.002ND	No	30	n/a	n/a	100	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-10	0.002	n/a	2/15/2023	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	2/21/2023	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	2/21/2023	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-18	0.0022	n/a	2/20/2023	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-20	0.002	n/a	2/22/2023	0.00052J	No	30	n/a	n/a	100	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Antimony (mg/L)	GWC-22	0.002	n/a	2/14/2023	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	2/21/2023	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	2/16/2023	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	2/21/2023	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	2/21/2023	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	2/20/2023	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-30	0.002	n/a	2/14/2023	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	2/22/2023	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	2/15/2023	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	2/20/2023	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	2/20/2023	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	2/20/2023	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	2/14/2023	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	2/14/2023	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	2/14/2023	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	2/13/2023	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	2/14/2023	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	2/14/2023	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	0.0021	n/a	2/21/2023	0.001ND	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	2/15/2023	0.001ND	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	2/21/2023	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	2/17/2023	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	2/20/2023	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	2/20/2023	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	2/20/2023	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	2/21/2023	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	2/22/2023	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	2/21/2023	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	2/14/2023	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	2/21/2023	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	2/16/2023	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	2/21/2023	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	2/21/2023	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	2/22/2023	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	2/15/2023	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	2/20/2023	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	2/20/2023	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	2/20/2023	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	2/20/2023	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	2/20/2023	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	2/21/2023	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	2/15/2023	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-9	0.0011	n/a	2/15/2023	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	2/14/2023	0.011	No	30	n/a	n/a	0	n/a	n/a	0.002008	NP Intra (normality) 1 of 2

# Intrawell Prediction Limits (Appendix I) - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 4/3/2023, 9:54 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWA-2	0.02277	n/a	2/14/2023	0.011	No	30	0.01377	0.003399	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWA-28	0.01	n/a	2/14/2023	0.001J	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	0.01	n/a	2/13/2023	0.01ND	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	2/14/2023	0.075	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	2/14/2023	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	2/15/2023	0.017	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	2/21/2023	0.076	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	2/15/2023	0.029	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	2/21/2023	0.0033J	No	30	0.05896	0.007153	0	None	sqrt(x)	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-14	0.3928	n/a	2/17/2023	0.17	No	18	0.1755	0.07333	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-15	0.01474	n/a	2/21/2023	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	2/20/2023	0.018	No	30	n/a	n/a	0	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
<b>Barium (mg/L)</b>	<b>GWC-17</b>	<b>0.02006</b>	<b>n/a</b>	<b>2/20/2023</b>	<b>0.025</b>	<b>Yes</b>	<b>30</b>	<b>0.01619</b>	<b>0.001462</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0001135</b>	<b>Param Intra 1 of 2</b>
Barium (mg/L)	GWC-18	0.04361	n/a	2/20/2023	0.043	No	30	0.03411	0.003588	0	None	No	0.0001135	Param Intra 1 of 2
<b>Barium (mg/L)</b>	<b>GWC-19</b>	<b>0.1462</b>	<b>n/a</b>	<b>2/21/2023</b>	<b>0.15</b>	<b>Yes</b>	<b>30</b>	<b>0.06883</b>	<b>0.02923</b>	<b>3.333</b>	<b>None</b>	<b>No</b>	<b>0.0001135</b>	<b>Param Intra 1 of 2</b>
Barium (mg/L)	GWC-20	0.03937	n/a	2/22/2023	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	2/21/2023	0.052	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	2/14/2023	0.024	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	2/21/2023	0.005J	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	2/16/2023	0.013	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	2/21/2023	0.026	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	2/21/2023	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	2/20/2023	0.0098J	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	2/14/2023	0.0069J	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	2/22/2023	0.003J	No	25	0.0587	0.0151	4	None	sqrt(x)	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-32	0.01	n/a	2/15/2023	0.01ND	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	2/20/2023	0.0056J	No	29	0.008559	0.003636	3.448	None	No	0.0001135	Param Intra 1 of 2
<b>Barium (mg/L)</b>	<b>GWC-34</b>	<b>0.0143</b>	<b>n/a</b>	<b>2/20/2023</b>	<b>0.015</b>	<b>Yes</b>	<b>29</b>	<b>0.0114</b>	<b>0.001086</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0001135</b>	<b>Param Intra 1 of 2</b>
<b>Barium (mg/L)</b>	<b>GWC-35</b>	<b>0.02298</b>	<b>n/a</b>	<b>2/20/2023</b>	<b>0.031</b>	<b>Yes</b>	<b>30</b>	<b>0.02009</b>	<b>0.001091</b>	<b>0</b>	<b>None</b>	<b>No</b>	<b>0.0001135</b>	<b>Param Intra 1 of 2</b>
Barium (mg/L)	GWC-5	0.03486	n/a	2/20/2023	0.026	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	2/20/2023	0.059	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	2/21/2023	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	2/15/2023	0.027	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	2/15/2023	0.076	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	2/14/2023	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	2/14/2023	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	2/14/2023	0.00044J	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	0.002929	n/a	2/13/2023	0.002J	No	28	0.000004182	0.00000164	7.143	None	x^2	0.0001135	Param Intra 1 of 2
Beryllium (mg/L)	GWA-3	0.0025	n/a	2/14/2023	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)	GWA-4	0.0025	n/a	2/14/2023	0.0025ND	No	30	n/a	n/a	100	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Beryllium (mg/L)	GWC-11	0.0025	n/a	2/21/2023	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	2/15/2023	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	2/17/2023	0.0003J	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	2/21/2023	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	2/20/2023	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	2/20/2023	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	2/20/2023	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	2/21/2023	0.0002J	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	2/22/2023	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	2/21/2023	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-22	0.0025	n/a	2/14/2023	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	2/21/2023	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	2/16/2023	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	2/21/2023	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	2/21/2023	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 4/3/2023, 9:54 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Obsv.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Beryllium (mg/L)	GWC-27	0.0066	n/a	2/20/2023	0.0016J	No	30	n/a	n/a	10	n/a	n/a	0.002008	NP Intra (normality) 1 of 2
Beryllium (mg/L)	GWC-30	0.0025	n/a	2/14/2023	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	2/22/2023	0.00091J	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	2/15/2023	0.0013J	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	2/20/2023	0.00044J	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	2/20/2023	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	2/20/2023	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	2/20/2023	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	2/15/2023	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	2/15/2023	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	2/14/2023	0.00009J	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-2	0.0025	n/a	2/14/2023	0.0025ND	No	30	n/a	n/a	100	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-28	0.0025	n/a	2/14/2023	0.00008J	No	30	n/a	n/a	100	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-29	0.0025	n/a	2/13/2023	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	2/14/2023	0.00015J	No	16	n/a	n/a	75	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWA-4	0.0025	n/a	2/14/2023	0.0025ND	No	30	n/a	n/a	100	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-11	0.0025	n/a	2/21/2023	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-13	0.0025	n/a	2/21/2023	0.0025ND	No	30	n/a	n/a	100	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-14	0.0025	n/a	2/17/2023	0.00011J	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	2/21/2023	0.0025ND	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	2/21/2023	0.00012J	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	2/14/2023	0.00009J	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	2/16/2023	0.00008J	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	2/21/2023	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-31	0.0025	n/a	2/22/2023	0.00008J	No	25	n/a	n/a	100	n/a	n/a	0.002832	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-34	0.0025	n/a	2/20/2023	0.00014J	No	30	n/a	n/a	100	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-7	0.0025	n/a	2/21/2023	0.000085J	No	30	n/a	n/a	100	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cadmium (mg/L)	GWC-8	0.0025	n/a	2/15/2023	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)	GWC-9	0.0025	n/a	2/15/2023	0.0025ND	No	30	n/a	n/a	100	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Chromium (mg/L)	GWA-1	0.0042	n/a	2/14/2023	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	2/14/2023	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	2/14/2023	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	2/13/2023	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	2/14/2023	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	2/14/2023	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	2/15/2023	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	0.007235	n/a	2/21/2023	0.002	No	30	-6.075	0.4329	13.33	None	ln(x)	0.0001135	Param Intra 1 of 2
Chromium (mg/L)	GWC-12	0.0023	n/a	2/15/2023	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	2/21/2023	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	2/17/2023	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	2/21/2023	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	0.002832	n/a	2/20/2023	0.0027	No	27	0.002381	0.000167	7.407	None	No	0.0001135	Param Intra 1 of 2
Chromium (mg/L)	GWC-17	0.0042	n/a	2/20/2023	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	2/20/2023	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	2/21/2023	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	2/22/2023	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	2/21/2023	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	2/14/2023	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	2/21/2023	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	2/16/2023	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	2/21/2023	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	2/21/2023	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	2/20/2023	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-30	0.0025	n/a	2/14/2023	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	2/22/2023	0.0014J	No	25	n/a	n/a	20	n/a	n/a	0.002832	NP Intra (normality) 1 of 2

# Intrawell Prediction Limits (Appendix I) - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 4/3/2023, 9:54 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Obsv.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Chromium (mg/L)	GWC-32	0.0024	n/a	2/15/2023	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	2/20/2023	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	2/20/2023	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	2/20/2023	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	2/20/2023	0.0017J	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	2/20/2023	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	2/21/2023	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	2/15/2023	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	2/15/2023	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	2/14/2023	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)	GWA-2	0.0025	n/a	2/14/2023	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-28	0.0025	n/a	2/14/2023	0.0025ND	No	30	n/a	n/a	100	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Cobalt (mg/L)	GWA-29	0.0025	n/a	2/13/2023	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	2/14/2023	0.0025ND	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	0.01495	n/a	2/14/2023	0.0037	No	30	0.07142	0.01921	6.667	None	sqrt(x)	0.0001135	Param Intra 1 of 2
Cobalt (mg/L)	GWC-10	0.01381	n/a	2/15/2023	0.0042	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	2/21/2023	0.00073J	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	2/15/2023	0.0018J	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	2/17/2023	0.29	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	2/21/2023	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	2/20/2023	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	2/21/2023	0.00053J	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	2/22/2023	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	2/21/2023	0.0029	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	2/14/2023	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	2/21/2023	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	0.007207	n/a	2/16/2023	0.0019J	No	21	0.04342	0.01459	9.524	None	sqrt(x)	0.0001135	Param Intra 1 of 2
Cobalt (mg/L)	GWC-25	0.05882	n/a	2/21/2023	0.0047	No	29	0.1007	0.05324	6.897	None	sqrt(x)	0.0001135	Param Intra 1 of 2
Cobalt (mg/L)	GWC-26	0.0025	n/a	2/21/2023	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	0.004563	n/a	2/20/2023	0.0023J	No	30	0.002302	0.000854	13.33	None	No	0.0001135	Param Intra 1 of 2
Cobalt (mg/L)	GWC-31	0.0025	n/a	2/22/2023	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	2/15/2023	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	0.01433	n/a	2/20/2023	0.0025ND	No	29	0.04555	0.02783	17.24	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
Cobalt (mg/L)	GWC-34	0.0025	n/a	2/20/2023	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	2/20/2023	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	2/20/2023	0.004	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	2/20/2023	0.013	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	2/21/2023	0.00079J	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	2/15/2023	0.0016J	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	2/15/2023	0.022	No	29	n/a	n/a	3.448	n/a	n/a	0.002172	NP Intra (normality) 1 of 2
Copper (mg/L)	GWA-1	0.002	n/a	2/14/2023	0.002ND	No	23	n/a	n/a	100	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWA-2	0.002	n/a	2/14/2023	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	2/14/2023	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	0.02287	n/a	2/13/2023	0.0048	No	23	-4.898	0.4019	13.04	None	ln(x)	0.0001135	Param Intra 1 of 2
Copper (mg/L)	GWA-3	0.00559	n/a	2/14/2023	0.0017J	No	10	0.04427	0.008099	50	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
Copper (mg/L)	GWA-4	0.002	n/a	2/14/2023	0.002ND	No	23	n/a	n/a	100	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Copper (mg/L)	GWC-10	0.002	n/a	2/15/2023	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	2/21/2023	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	2/15/2023	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	2/21/2023	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	2/17/2023	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-15	0.003	n/a	2/21/2023	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	2/20/2023	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	2/20/2023	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	2/21/2023	0.002ND	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 4/3/2023, 9:54 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Copper (mg/L)	GWC-20	0.0025	n/a	2/22/2023	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	2/21/2023	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	2/14/2023	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-23	0.002	n/a	2/21/2023	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	2/16/2023	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	2/21/2023	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	2/21/2023	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	2/20/2023	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	2/22/2023	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	2/20/2023	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	2/20/2023	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	2/20/2023	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	2/20/2023	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	2/20/2023	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	2/15/2023	0.0014J	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	2/15/2023	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-1	0.001	n/a	2/14/2023	0.001ND	No	30	n/a	n/a	100	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWA-2	0.001	n/a	2/14/2023	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	2/14/2023	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	2/13/2023	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	2/14/2023	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	2/14/2023	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	2/15/2023	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	2/21/2023	0.00039J	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	2/15/2023	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-13	0.001	n/a	2/21/2023	0.00037J	No	30	n/a	n/a	100	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-15	0.001	n/a	2/21/2023	0.00025J	No	30	n/a	n/a	96.67	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-16	0.001	n/a	2/20/2023	0.00025J	No	30	n/a	n/a	100	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-17	0.001	n/a	2/20/2023	0.00027J	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	2/20/2023	0.00025J	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	2/21/2023	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	2/22/2023	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	2/21/2023	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	2/14/2023	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	2/21/2023	0.00022J	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	2/16/2023	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	2/21/2023	0.00027J	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	2/21/2023	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	2/20/2023	0.00029J	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	2/14/2023	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	2/22/2023	0.00025J	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	2/20/2023	0.00027J	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	2/20/2023	0.00026J	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	2/20/2023	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-7	0.001	n/a	2/21/2023	0.00036J	No	30	n/a	n/a	100	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Lead (mg/L)	GWC-8	0.001	n/a	2/15/2023	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	2/15/2023	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	2/14/2023	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	2/14/2023	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	2/14/2023	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-29	0.00021	n/a	2/13/2023	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	2/14/2023	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	2/14/2023	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	2/15/2023	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	2/21/2023	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 4/3/2023, 9:54 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-12	0.0002	n/a	2/15/2023	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	2/21/2023	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	2/17/2023	0.0002ND	No	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	2/21/2023	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	2/20/2023	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	2/20/2023	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	2/20/2023	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	2/21/2023	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	2/22/2023	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	2/21/2023	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	2/14/2023	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	2/21/2023	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	2/16/2023	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	2/21/2023	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	2/21/2023	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	2/20/2023	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	2/14/2023	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	2/22/2023	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	2/15/2023	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	2/20/2023	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	2/20/2023	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	2/20/2023	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	2/20/2023	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	2/20/2023	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	2/21/2023	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	2/15/2023	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	2/15/2023	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	2/14/2023	0.00071J	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	2/14/2023	0.00046J	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	2/14/2023	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	0.00641	n/a	2/13/2023	0.00079J	No	23	0.002698	0.001332	13.04	None	No	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWA-3	0.007682	n/a	2/14/2023	0.00099J	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	2/14/2023	0.00071J	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	2/15/2023	0.0012	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	2/21/2023	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	2/15/2023	0.00099J	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	2/21/2023	0.00051J	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	2/17/2023	0.019	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	2/21/2023	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	2/20/2023	0.00062J	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	2/20/2023	0.00057J	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	2/20/2023	0.0005J	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
<b>Nickel (mg/L)</b>	<b>GWC-19</b>	<b>0.0011</b>	<b>n/a</b>	<b>2/21/2023</b>	<b>0.0014</b>	<b>Yes</b>	<b>23</b>	<b>n/a</b>	<b>n/a</b>	<b>69.57</b>	<b>n/a</b>	<b>n/a</b>	<b>0.003415</b>	<b>NP Intra (NDs) 1 of 2</b>
Nickel (mg/L)	GWC-20	0.001	n/a	2/22/2023	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	2/21/2023	0.001ND	No	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-22	0.001	n/a	2/14/2023	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	2/21/2023	0.00062J	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	0.004273	n/a	2/16/2023	0.0014	No	12	0.002179	0.0006125	8.333	None	No	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWC-25	0.03202	n/a	2/21/2023	0.0039	No	22	0.1759	0.05031	22.73	Kaplan-Meier	x <sup>2</sup> (1/3)	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWC-26	0.0031	n/a	2/21/2023	0.00078J	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	2/20/2023	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	2/22/2023	0.00047J	No	19	0.1311	0.04175	15.79	Kaplan-Meier	x <sup>2</sup> (1/3)	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWC-32	0.0018	n/a	2/15/2023	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	2/20/2023	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	2/20/2023	0.00077J	No	22	n/a	n/a	63.64	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 4/3/2023, 9:54 AM

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-35	0.005294	n/a	2/20/2023	0.0012	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	2/20/2023	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	0.009695	n/a	2/20/2023	0.0057	No	23	0.004893	0.001723	4.348	None	No	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWC-7	0.02347	n/a	2/21/2023	0.0079	No	23	0.009446	0.005033	17.39	Kaplan-Meier	No	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWC-8	0.005502	n/a	2/15/2023	0.001	No	22	0.04867	0.00906	27.27	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWC-9	0.02057	n/a	2/15/2023	0.0088	No	21	0.009969	0.00373	4.762	None	No	0.0001135	Param Intra 1 of 2
Selenium (mg/L)	GWA-1	0.005	n/a	2/14/2023	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-2	0.005	n/a	2/14/2023	0.005ND	No	30	n/a	n/a	100	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-28	0.005	n/a	2/14/2023	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	2/13/2023	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-3	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	100	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-4	0.005	n/a	2/14/2023	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	2/21/2023	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	2/15/2023	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	2/21/2023	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	2/17/2023	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	2/21/2023	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	2/20/2023	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	2/20/2023	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	2/21/2023	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	2/14/2023	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	2/21/2023	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	2/21/2023	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	2/20/2023	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	2/14/2023	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	2/22/2023	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	2/15/2023	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	2/20/2023	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	2/20/2023	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	2/20/2023	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	2/20/2023	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	2/15/2023	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	2/15/2023	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-1	0.001	n/a	2/14/2023	0.001ND	No	23	n/a	n/a	100	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-2	0.001	n/a	2/14/2023	0.001ND	No	23	n/a	n/a	100	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-28	0.001	n/a	2/14/2023	0.001ND	No	23	n/a	n/a	100	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-29	0.002547	n/a	2/13/2023	0.0011	No	23	0.03184	0.006681	26.09	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
Silver (mg/L)	GWA-3	0.001	n/a	2/14/2023	0.001ND	No	10	n/a	n/a	100	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-4	0.001	n/a	2/14/2023	0.001ND	No	23	n/a	n/a	100	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-11	0.001	n/a	2/21/2023	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	2/15/2023	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	2/17/2023	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	2/20/2023	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	2/20/2023	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	2/21/2023	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	2/14/2023	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	2/21/2023	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-24	0.001	n/a	2/16/2023	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	2/21/2023	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	2/21/2023	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	2/20/2023	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	2/22/2023	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	2/15/2023	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	2/20/2023	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	2/20/2023	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 4/3/2023, 9:54 AM

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-6	0.0032	n/a	2/20/2023	0.001ND	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-1	0.001	n/a	2/14/2023	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	2/14/2023	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-28	0.001	n/a	2/14/2023	0.001ND	No	29	n/a	n/a	100	n/a	n/a	0.002172	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-29	0.001	n/a	2/13/2023	0.001ND	No	27	n/a	n/a	100	n/a	n/a	0.002502	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-3	0.001	n/a	2/14/2023	0.001ND	No	16	n/a	n/a	100	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Thallium (mg/L)	GWA-4	0.001	n/a	2/14/2023	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	2/21/2023	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	2/15/2023	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	2/21/2023	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	2/17/2023	0.00044J	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	2/21/2023	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	2/21/2023	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	2/22/2023	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	2/21/2023	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	2/14/2023	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	2/21/2023	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	2/16/2023	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	2/21/2023	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	2/20/2023	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	2/14/2023	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	2/22/2023	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	2/20/2023	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	2/20/2023	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	2/20/2023	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	2/20/2023	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	2/21/2023	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	2/15/2023	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	2/15/2023	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	2/14/2023	0.00074J	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	2/14/2023	0.002ND	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	2/14/2023	0.002ND	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	2/13/2023	0.002ND	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	2/14/2023	0.002ND	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	2/14/2023	0.00074J	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	0.004645	n/a	2/15/2023	0.002ND	No	10	0.04275	0.006743	50	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
Vanadium (mg/L)	GWC-11	0.0064	n/a	2/21/2023	0.0023	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	0.002	n/a	2/15/2023	0.002ND	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	2/21/2023	0.002ND	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	2/17/2023	0.002ND	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	2/21/2023	0.002ND	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	2/20/2023	0.004	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	2/20/2023	0.0021	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	2/20/2023	0.0011J	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	2/21/2023	0.002ND	No	23	n/a	n/a	56.52	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Vanadium (mg/L)	GWC-20	0.006089	n/a	2/22/2023	0.0014J	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	2/21/2023	0.002ND	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	0.00958	n/a	2/14/2023	0.005	No	23	0.006526	0.001096	13.04	None	No	0.0001135	Param Intra 1 of 2
Vanadium (mg/L)	GWC-23	0.002	n/a	2/21/2023	0.002ND	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	0.002	n/a	2/16/2023	0.002ND	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	2/21/2023	0.002ND	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	2/21/2023	0.002ND	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	0.002	n/a	2/20/2023	0.002ND	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	2/14/2023	0.00085J	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	2/22/2023	0.002ND	No	19	n/a	n/a	63.16	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2

# Intrawell Prediction Limits (Appendix I) - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 4/3/2023, 9:54 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Vanadium (mg/L)	GWC-32	0.003	n/a	2/15/2023	0.002ND	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	2/20/2023	0.002ND	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	2/20/2023	0.002ND	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	2/20/2023	0.002ND	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	2/20/2023	0.0029	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	2/20/2023	0.002ND	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	0.005799	n/a	2/21/2023	0.0029	No	23	0.04317	0.01183	43.48	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
Vanadium (mg/L)	GWC-8	0.0038	n/a	2/15/2023	0.00096J	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	2/15/2023	0.0009J	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	2/14/2023	0.0048J	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	2/14/2023	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	2/14/2023	0.014	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	2/13/2023	0.025	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	2/14/2023	0.017	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	2/14/2023	0.0029J	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	2/15/2023	0.0047J	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	2/21/2023	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	2/15/2023	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	2/21/2023	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	2/17/2023	0.015	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	2/21/2023	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	2/20/2023	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	2/20/2023	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	2/20/2023	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	0.008939	n/a	2/21/2023	0.0072	No	23	0.003781	0.00185	39.13	Kaplan-Meier	No	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	GWC-20	0.014	n/a	2/22/2023	0.0035J	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	0.01249	n/a	2/21/2023	0.0038J	No	23	0.0726	0.01405	21.74	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
<b>Zinc (mg/L)</b>	<b>GWC-22</b>	<b>0.0068</b>	<b>n/a</b>	<b>2/14/2023</b>	<b>0.012</b>	<b>Yes</b>	<b>23</b>	<b>n/a</b>	<b>n/a</b>	<b>69.57</b>	<b>n/a</b>	<b>n/a</b>	<b>0.003415</b>	<b>NP Intra (NDs) 1 of 2</b>
Zinc (mg/L)	GWC-23	0.007616	n/a	2/21/2023	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	0.01319	n/a	2/16/2023	0.0059	No	12	0.00729	0.001726	16.67	Kaplan-Meier	No	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	GWC-25	0.043	n/a	2/21/2023	0.0069	No	22	0.1011	0.03777	4.545	None	sqrt(x)	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	GWC-26	0.019	n/a	2/21/2023	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	2/20/2023	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	2/14/2023	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	0.1068	n/a	2/22/2023	0.011	No	19	-4.2	0.6733	5.263	None	ln(x)	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	GWC-32	0.1507	n/a	2/15/2023	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	2/20/2023	0.0038J	No	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	2/20/2023	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	2/20/2023	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	2/20/2023	0.0033J	No	23	n/a	n/a	60.87	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-6	0.0071	n/a	2/20/2023	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	2/21/2023	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	2/15/2023	0.0029J	No	22	0.00357	0.002065	36.36	Kaplan-Meier	No	0.0001135	Param Intra 1 of 2
<b>Zinc (mg/L)</b>	<b>GWC-9</b>	<b>0.0094</b>	<b>n/a</b>	<b>2/15/2023</b>	<b>0.015</b>	<b>Yes</b>	<b>22</b>	<b>n/a</b>	<b>n/a</b>	<b>40.91</b>	<b>n/a</b>	<b>n/a</b>	<b>0.003707</b>	<b>NP Intra (normality) 1 of 2</b>

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

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 3/29/2023, 1:45 PM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	%NDs	Transform	Alpha	Method
Barium (mg/L)	GWC-17	0.18	n/a	2/20/2023	0.025	No	182	13.19	n/a	0.00005908	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-19	0.18	n/a	2/21/2023	0.15	No	182	13.19	n/a	0.00005908	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-34	0.18	n/a	2/20/2023	0.015	No	182	13.19	n/a	0.00005908	NP Inter (normality) 1 of 2
Barium (mg/L)	GWC-35	0.18	n/a	2/20/2023	0.031	No	182	13.19	n/a	0.00005908	NP Inter (normality) 1 of 2
Nickel (mg/L)	GWC-19	0.0056	n/a	2/21/2023	0.0014	No	143	45.45	n/a	0.00009514	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-22	0.063	n/a	2/14/2023	0.012	No	142	22.54	n/a	0.00009627	NP Inter (normality) 1 of 2
Zinc (mg/L)	GWC-9	0.063	n/a	2/15/2023	0.015	No	142	22.54	n/a	0.00009627	NP Inter (normality) 1 of 2

# Intrawell Prediction Limits (Appendix III) - All Results (No Significant)

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 4/3/2023, 9:15 AM

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	2/14/2023	5.56	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	2/14/2023	5.64	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	2/14/2023	6.12	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	2/13/2023	5.64	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	2/14/2023	5.53	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	2/14/2023	6.2	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	2/15/2023	5.76	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	2/21/2023	5.96	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	2/15/2023	6.98	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	2/21/2023	6.62	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	2/17/2023	5.73	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	2/21/2023	7.22	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	2/20/2023	6.08	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	2/20/2023	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	2/20/2023	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.)	GWC-19	6.317	5.524	2/21/2023	5.73	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	2/22/2023	6.91	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	2/21/2023	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	2/14/2023	6.56	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	2/21/2023	5.88	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	2/16/2023	5.08	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	2/21/2023	5.93	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	2/21/2023	5.58	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	2/20/2023	5.33	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	2/14/2023	5.91	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	2/22/2023	6.03	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	2/15/2023	5.98	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	2/20/2023	6.21	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	2/20/2023	5.96	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	2/20/2023	5.51	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	2/20/2023	6.28	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	2/20/2023	5.94	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	2/21/2023	6.5	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	2/15/2023	6.03	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	2/15/2023	5.56	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	2/14/2023	0.5ND	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	2/14/2023	2.5	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	2.937	n/a	2/14/2023	1.2	No	19	1.074	0.1353	5.263	None	x^(1/3)	0.0002595	Param Intra	1 of 2
Sulfate as SO4 (mg/L)	GWA-29	26	n/a	2/13/2023	4.3	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	208.4	n/a	2/14/2023	70	No	11	60.47	46.4	9.091	None	No	0.0002595	Param Intra	1 of 2
Sulfate as SO4 (mg/L)	GWA-4	15	n/a	2/14/2023	9.3	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-10	53.32	n/a	2/15/2023	8.5	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	2/21/2023	0.43J	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	2/15/2023	32	No	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	2/21/2023	1.8	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	2/17/2023	5.7	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	2/21/2023	1.1	No	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	2/20/2023	0.5ND	No	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	1.2	n/a	2/20/2023	0.5J	No	19	n/a	n/a	47.37	n/a	n/a	0.004832	NP Intra (normality)	1 of 2
Sulfate as SO4 (mg/L)	GWC-18	1	n/a	2/20/2023	0.41J	No	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-19	2.5	n/a	2/21/2023	0.52J	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	1.447	n/a	2/22/2023	0.65J	No	19	0.8881	0.211	10.53	None	No	0.0002595	Param Intra	1 of 2
Sulfate as SO4 (mg/L)	GWC-21	0.5	n/a	2/21/2023	0.5ND	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)	GWC-22	1.2	n/a	2/14/2023	0.54J	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	0.64	n/a	2/21/2023	0.5ND	No	19	n/a	n/a	73.68	n/a	n/a	0.004832	NP Intra (NDs)	1 of 2

# Intrawell Prediction Limits (Appendix III) - All Results (No Significant)

Plant Wansley    Client: Southern Company    Data: Wansley Landfill    Printed 4/3/2023, 9:15 AM

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-24	2.3	n/a	2/16/2023	0.4J	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	2/21/2023	7.4	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	2/21/2023	0.5ND	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	4.093	n/a	2/20/2023	0.47J	No	19	1.728	0.893	5.263	None	No	0.0002595	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-30	3.3	n/a	2/14/2023	1	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	2/22/2023	9.8	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	2/15/2023	8.3	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-33	33.64	n/a	2/20/2023	7.5	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	2/20/2023	1	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	2/20/2023	2.2	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	38.57	n/a	2/20/2023	25	No	12	28.17	3.407	0	None	No	0.0002595	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-6	30	n/a	2/20/2023	9.8	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	2/21/2023	40	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	2/15/2023	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	2/15/2023	9.4	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	34.54	n/a	2/14/2023	17	No	19	11.37	8.748	31.58	Kaplan-Meier	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-2	86.19	n/a	2/14/2023	43	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	2/14/2023	90	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	2/13/2023	88	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	2/14/2023	160	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	2/14/2023	150	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	2/15/2023	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	2/21/2023	40	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	2/15/2023	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	2/21/2023	58	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	2/17/2023	260	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	2/21/2023	79	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	2/20/2023	90	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	2/20/2023	100	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	2/20/2023	88	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	2/21/2023	79	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	2/22/2023	98	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	2/21/2023	50	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	2/14/2023	110	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	2/21/2023	44	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	2/16/2023	19	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	2/21/2023	74	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	2/21/2023	42	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	79.44	n/a	2/20/2023	34	No	19	30.49	18.48	15.79	Kaplan-Meier	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-30	83.18	n/a	2/14/2023	53	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	2/22/2023	90	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	2/15/2023	79	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	2/20/2023	87	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	2/20/2023	48	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	2/20/2023	53	No	19	35.24	14.74	5.263	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-5	281.4	n/a	2/20/2023	200	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	2/20/2023	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	2/21/2023	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	2/15/2023	130	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	2/15/2023	64	No	19	165.9	65.23	0	None	No	0.0002595	Param Intra 1 of 2



# Interwell Prediction Limits (Appendix III) - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 4/3/2023, 9:20 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWC-14	0.05	n/a	2/17/2023	0.65	Yes	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Chloride (mg/L)	GWC-14	49	n/a	2/17/2023	84	Yes	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2

# Interwell Prediction Limits (Appendix III) - All Results

Plant Wansley    Client: Southern Company    Data: Wansley Landfill    Printed 4/3/2023, 9:21 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWC-10	0.05	n/a	2/15/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-11	0.05	n/a	2/21/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-12	0.05	n/a	2/15/2023	0.077J	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-13	0.05	n/a	2/21/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
<b>Boron (mg/L)</b>	<b>GWC-14</b>	<b>0.05</b>	<b>n/a</b>	<b>2/17/2023</b>	<b>0.65</b>	<b>Yes</b>	<b>125</b>	<b>n/a</b>	<b>n/a</b>	<b>97.6</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0001244</b>	<b>NP Inter (NDs) 1 of 2</b>
Boron (mg/L)	GWC-15	0.05	n/a	2/21/2023	0.04J	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-16	0.05	n/a	2/20/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-17	0.05	n/a	2/20/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-18	0.05	n/a	2/20/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-19	0.05	n/a	2/21/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-20	0.05	n/a	2/22/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-21	0.05	n/a	2/21/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-22	0.05	n/a	2/14/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-23	0.05	n/a	2/21/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-24	0.05	n/a	2/16/2023	0.036J	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-25	0.05	n/a	2/21/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-26	0.05	n/a	2/21/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-27	0.05	n/a	2/20/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-30	0.05	n/a	2/14/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-31	0.05	n/a	2/22/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-32	0.05	n/a	2/15/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-33	0.05	n/a	2/20/2023	0.022J	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-34	0.05	n/a	2/20/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-35	0.05	n/a	2/20/2023	0.024J	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-5	0.05	n/a	2/20/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-6	0.05	n/a	2/20/2023	0.022J	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-7	0.05	n/a	2/21/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-8	0.05	n/a	2/15/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-9	0.05	n/a	2/15/2023	0.041J	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Calcium (mg/L)	GWC-10	72	n/a	2/15/2023	15	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-11	72	n/a	2/21/2023	3.4	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-12	72	n/a	2/15/2023	55	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-13	72	n/a	2/21/2023	5.3	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-14	72	n/a	2/17/2023	23	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-15	72	n/a	2/21/2023	10	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-16	72	n/a	2/20/2023	7.5	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-17	72	n/a	2/20/2023	13	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-18	72	n/a	2/20/2023	8.5	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-19	72	n/a	2/21/2023	11	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-20	72	n/a	2/22/2023	9.3	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-21	72	n/a	2/21/2023	5.7	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-22	72	n/a	2/14/2023	11	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-23	72	n/a	2/21/2023	4	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-24	72	n/a	2/16/2023	0.19J	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-25	72	n/a	2/21/2023	7.4	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-26	72	n/a	2/21/2023	2	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-27	72	n/a	2/20/2023	1.1	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-30	72	n/a	2/14/2023	3.5	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-31	72	n/a	2/22/2023	8.6	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-32	72	n/a	2/15/2023	6.8	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-33	72	n/a	2/20/2023	17	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-34	72	n/a	2/20/2023	3.6	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-35	72	n/a	2/20/2023	3	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-5	72	n/a	2/20/2023	30	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-6	72	n/a	2/20/2023	15	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2

# Interwell Prediction Limits (Appendix III) - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 4/3/2023, 9:21 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	GWC-7	72	n/a	2/21/2023	50	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-8	72	n/a	2/15/2023	23	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-9	72	n/a	2/15/2023	8.1	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-10	49	n/a	2/15/2023	4.8	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-11	49	n/a	2/21/2023	0.8J	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-12	49	n/a	2/15/2023	25	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-13	49	n/a	2/21/2023	1.1	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
<b>Chloride (mg/L)</b>	<b>GWC-14</b>	<b>49</b>	<b>n/a</b>	<b>2/17/2023</b>	<b>84</b>	<b>Yes</b>	<b>124</b>	<b>n/a</b>	<b>n/a</b>	<b>0.8065</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0001261</b>	<b>NP Inter (normality) 1 of 2</b>
Chloride (mg/L)	GWC-15	49	n/a	2/21/2023	3	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-16	49	n/a	2/20/2023	1.4	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-17	49	n/a	2/20/2023	1.2	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-18	49	n/a	2/20/2023	1.5	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-19	49	n/a	2/21/2023	1.7	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-20	49	n/a	2/22/2023	1.7	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-21	49	n/a	2/21/2023	2.6	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-22	49	n/a	2/14/2023	1.4	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-23	49	n/a	2/21/2023	1.7	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-24	49	n/a	2/16/2023	4.5	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-25	49	n/a	2/21/2023	5.9	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-26	49	n/a	2/21/2023	2.6	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-27	49	n/a	2/20/2023	0.92J	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-30	49	n/a	2/14/2023	1.3	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-31	49	n/a	2/22/2023	1	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-32	49	n/a	2/15/2023	1.2	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-33	49	n/a	2/20/2023	1.8	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-34	49	n/a	2/20/2023	1.1	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-35	49	n/a	2/20/2023	6.8	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-5	49	n/a	2/20/2023	9.4	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-6	49	n/a	2/20/2023	5.7	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-7	49	n/a	2/21/2023	35	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-8	49	n/a	2/15/2023	2	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-9	49	n/a	2/15/2023	4	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-10	3.2	n/a	2/15/2023	0.78	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-11	3.2	n/a	2/21/2023	0.061J	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-12	3.2	n/a	2/15/2023	0.13	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-13	3.2	n/a	2/21/2023	0.086J	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-14	3.2	n/a	2/17/2023	0.081J	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-15	3.2	n/a	2/21/2023	0.077J	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-16	3.2	n/a	2/20/2023	0.046J	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-17	3.2	n/a	2/20/2023	0.046J	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-18	3.2	n/a	2/20/2023	0.05ND	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-19	3.2	n/a	2/21/2023	0.05ND	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-20	3.2	n/a	2/22/2023	0.05ND	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-21	3.2	n/a	2/21/2023	0.05ND	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-22	3.2	n/a	2/14/2023	0.057J	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-23	3.2	n/a	2/21/2023	0.05ND	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-24	3.2	n/a	2/16/2023	0.05ND	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-25	3.2	n/a	2/21/2023	0.041J	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-26	3.2	n/a	2/21/2023	0.05ND	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-27	3.2	n/a	2/20/2023	0.16	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-30	3.2	n/a	2/14/2023	0.091J	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-31	3.2	n/a	2/22/2023	1.3	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-32	3.2	n/a	2/15/2023	2.3	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-33	3.2	n/a	2/20/2023	2.4	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-34	3.2	n/a	2/20/2023	0.13	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2

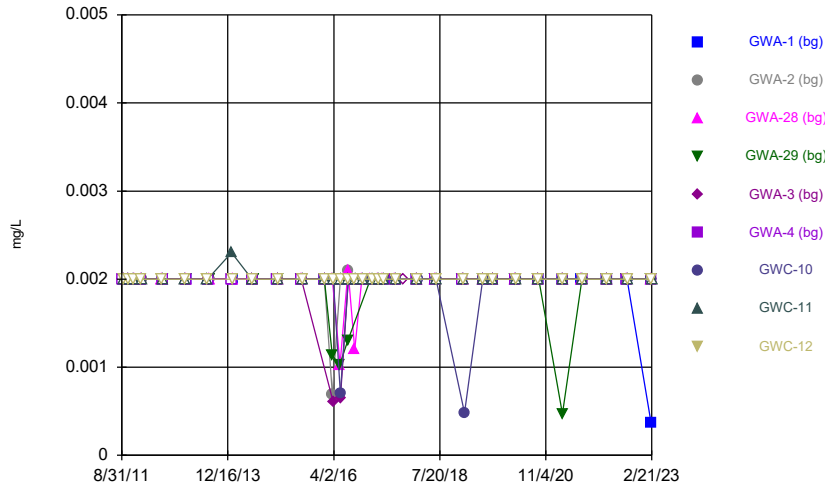
# Interwell Prediction Limits (Appendix III) - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 4/3/2023, 9:21 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	GWC-35	3.2	n/a	2/20/2023	0.05ND	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-5	3.2	n/a	2/20/2023	0.092J	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-6	3.2	n/a	2/20/2023	0.079J	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-7	3.2	n/a	2/21/2023	0.23	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-8	3.2	n/a	2/15/2023	0.063J	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-9	3.2	n/a	2/15/2023	0.062J	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2

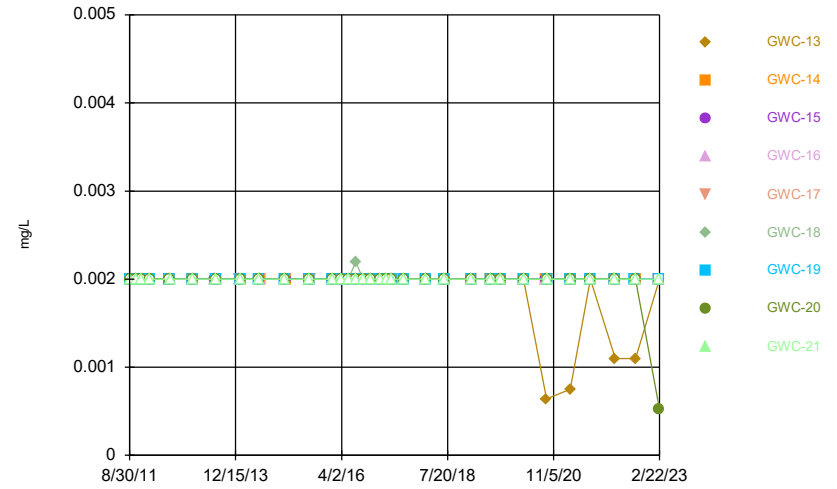
FIGURE A.

### Time Series



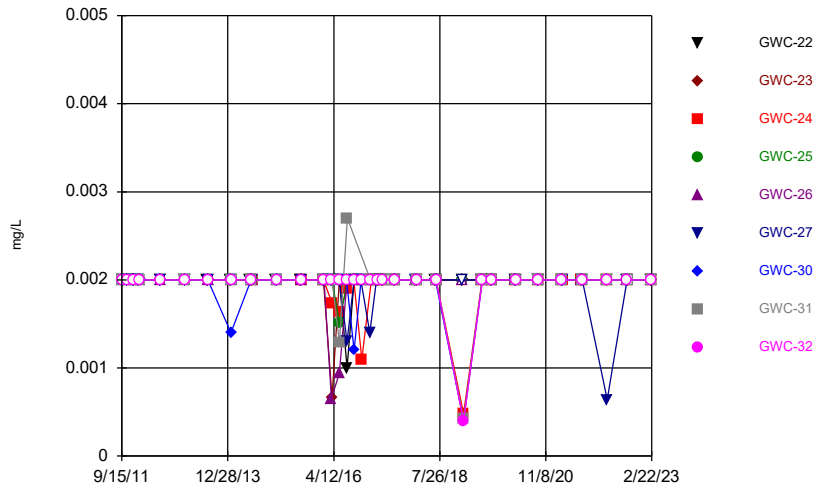
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Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



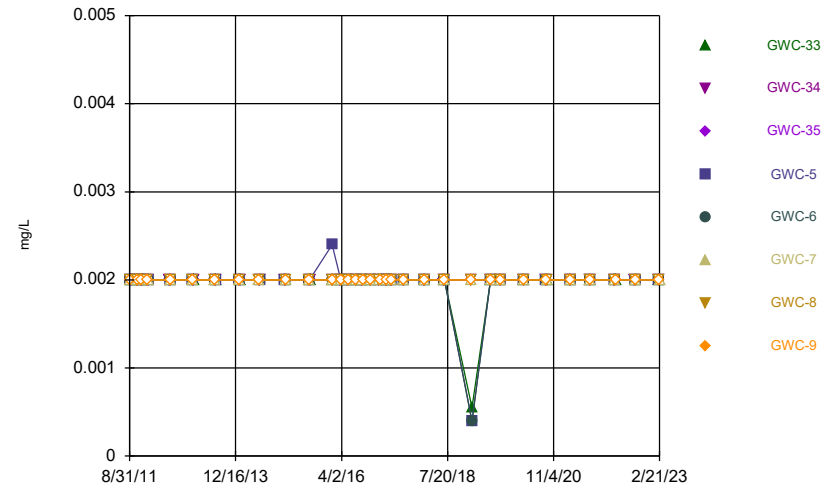
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### Time Series



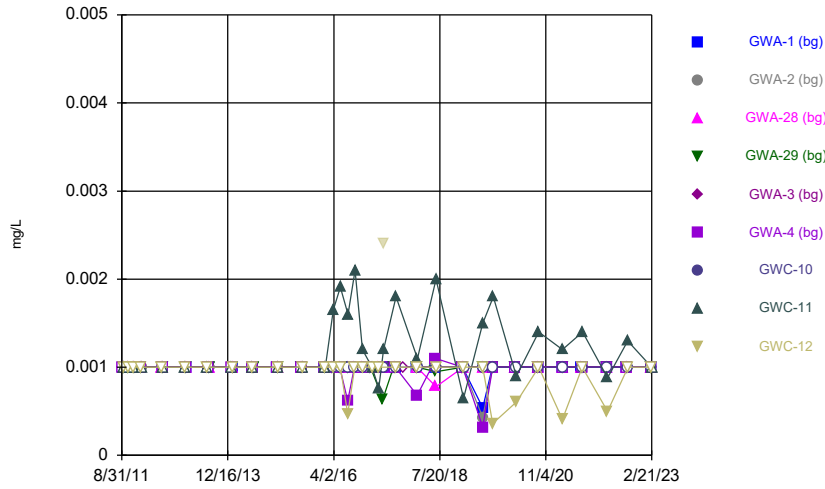
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### Time Series



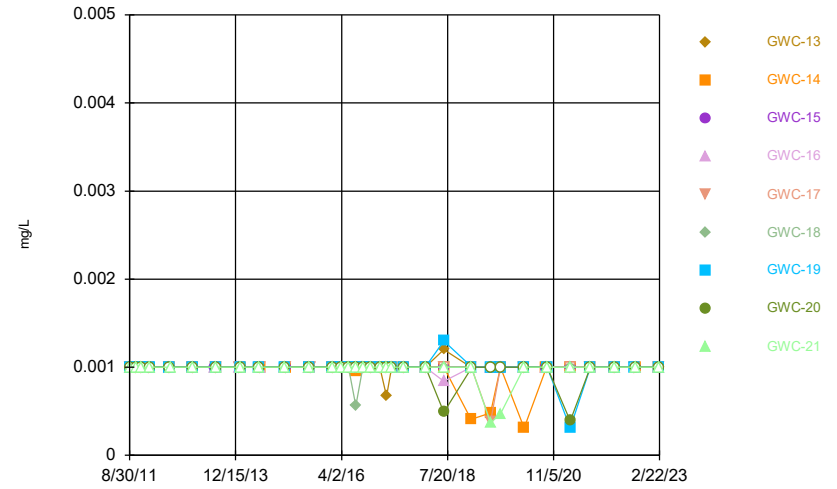
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### Time Series



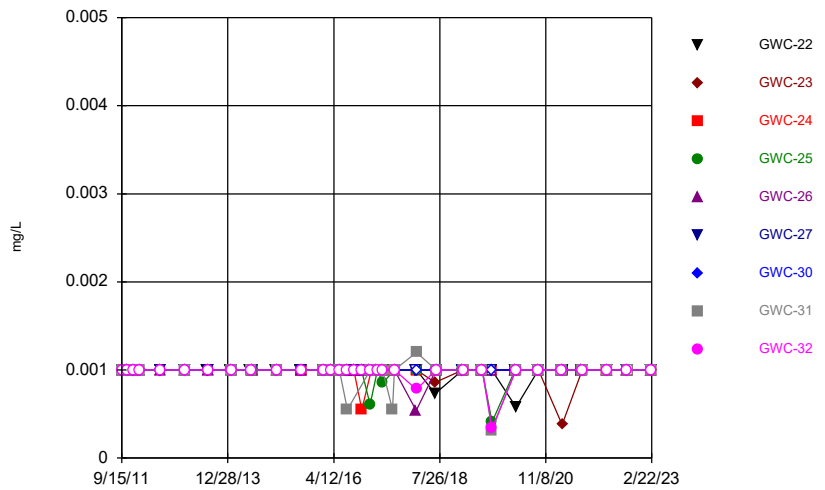
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### Time Series



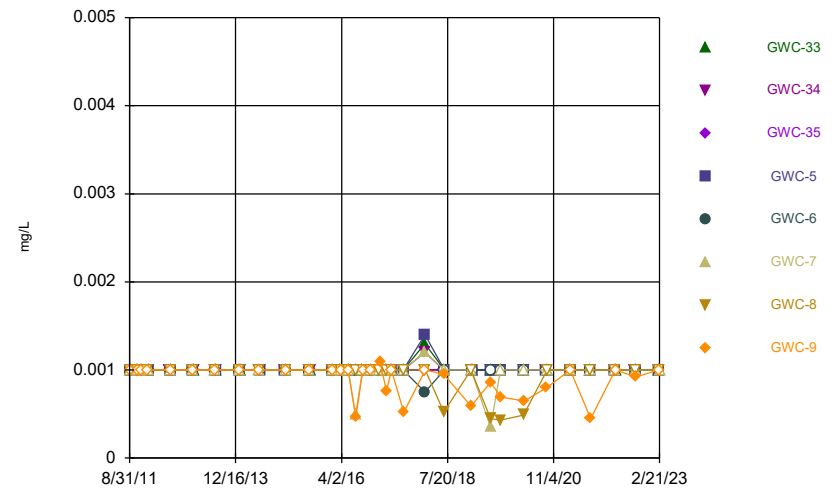
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### Time Series



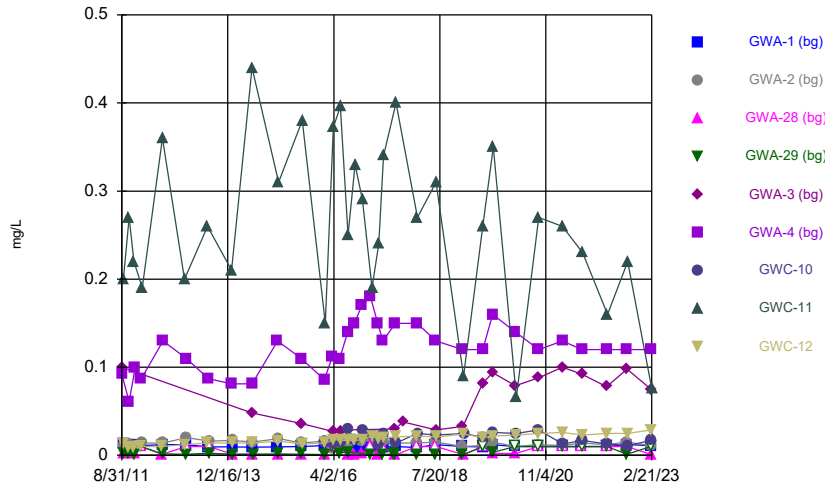
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Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



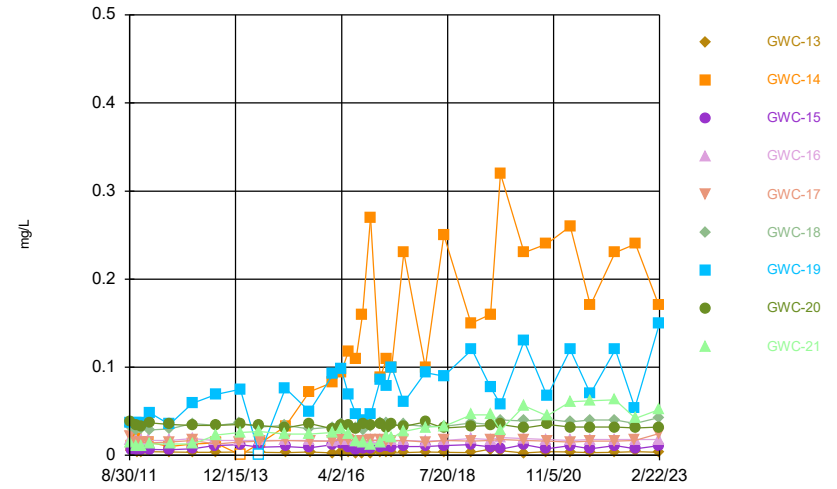
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### Time Series



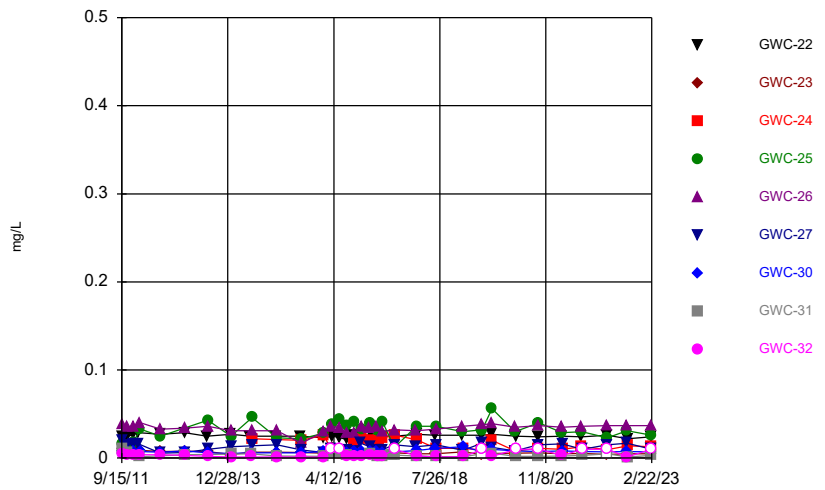
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### Time Series



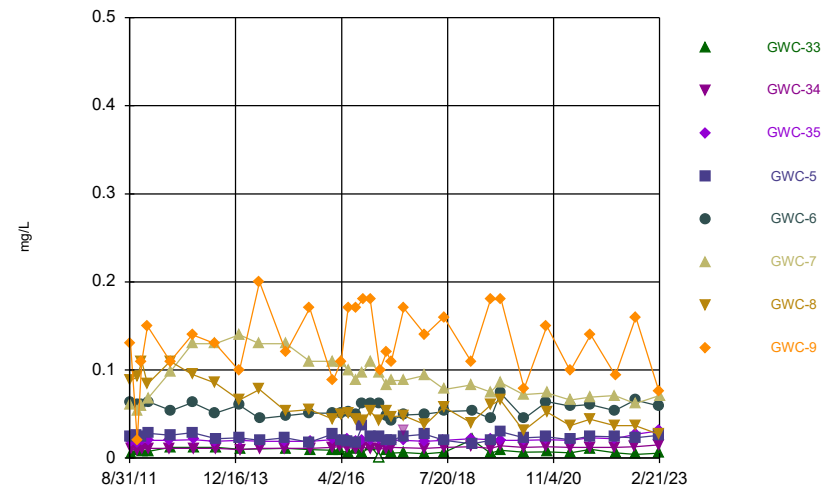
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Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



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Plant Wansley Client: Southern Company Data: Wansley Landfill

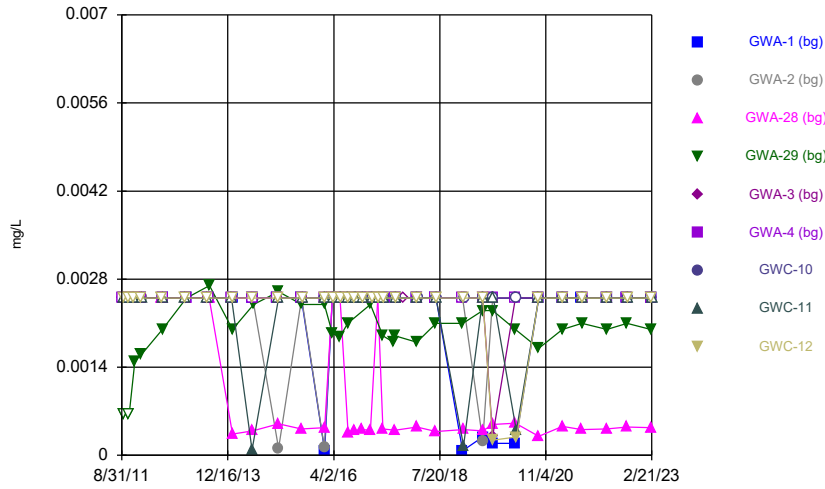
### Time Series



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Plant Wansley Client: Southern Company Data: Wansley Landfill

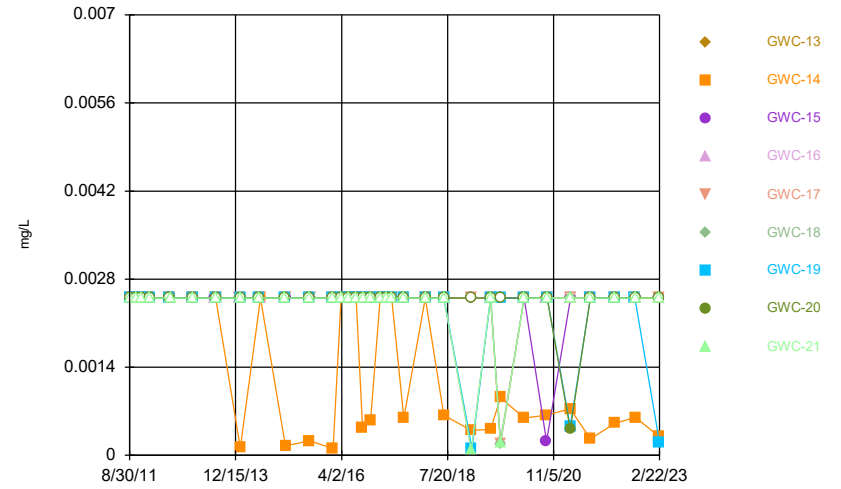


### Time Series



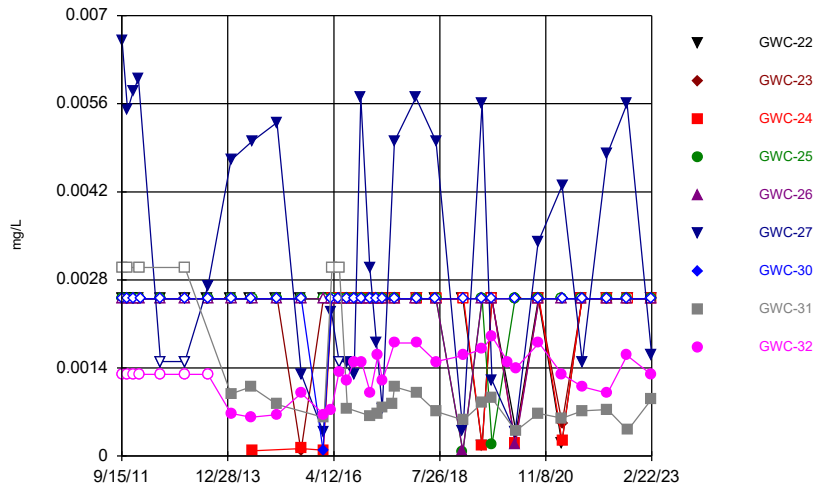
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Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



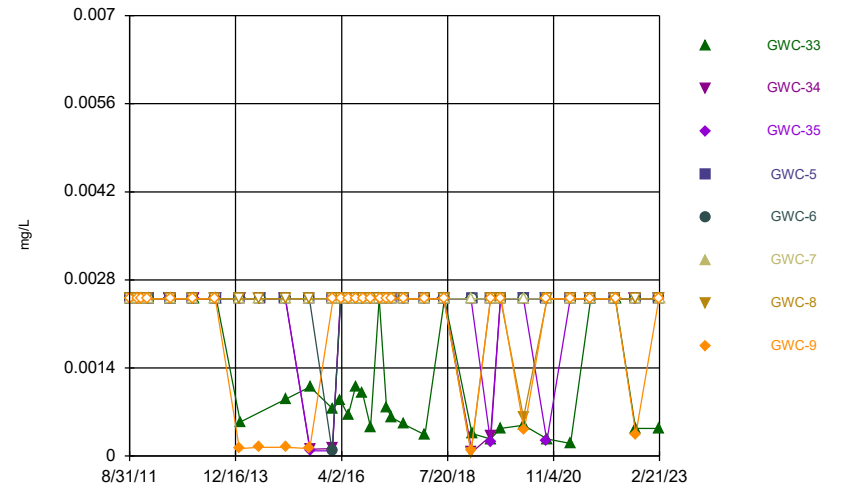
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### Time Series



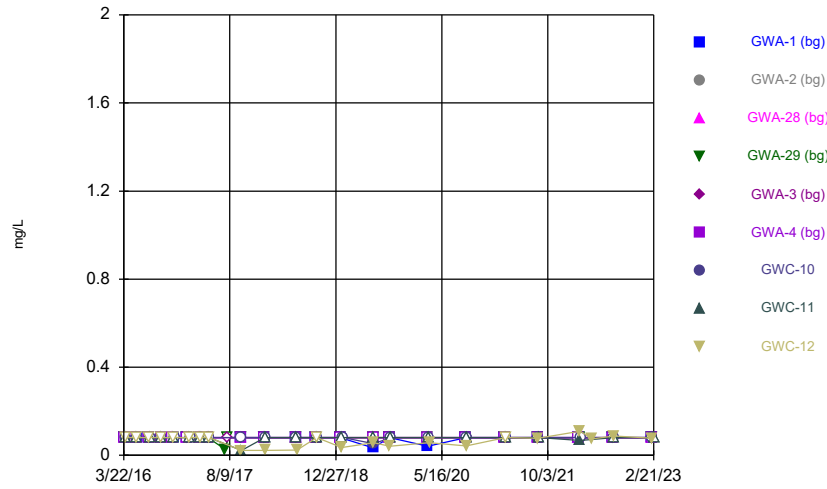
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Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



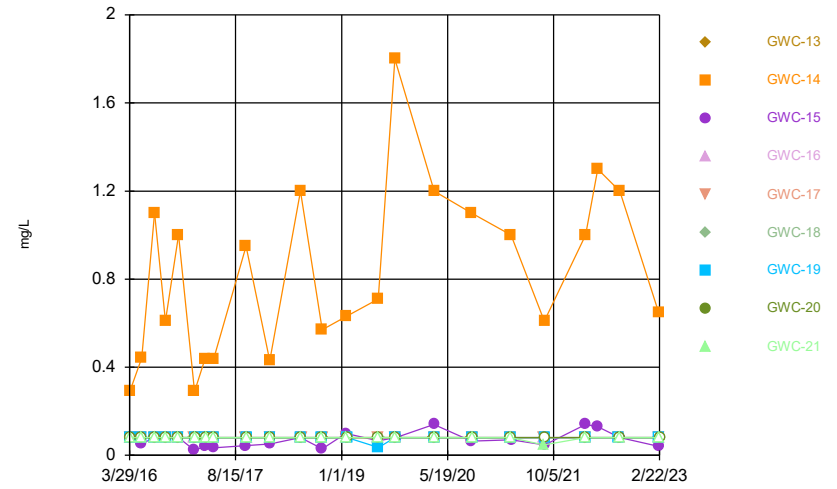
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Plant Wansley Client: Southern Company Data: Wansley Landfill

Time Series



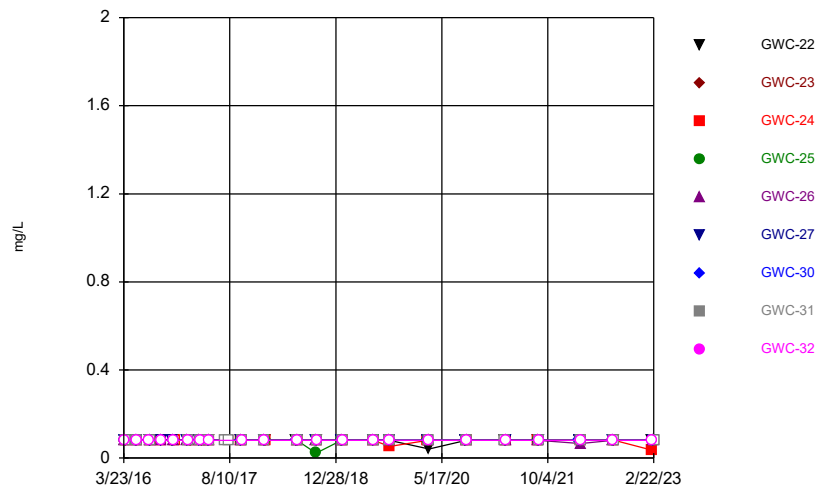
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Time Series



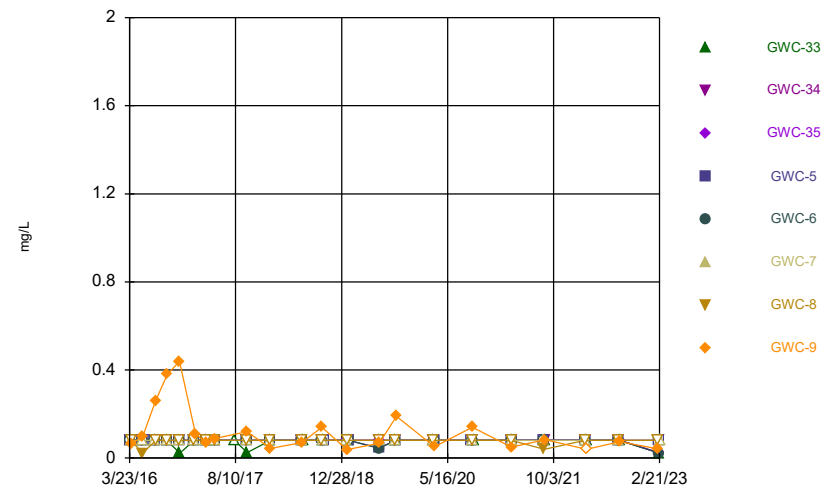
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Time Series



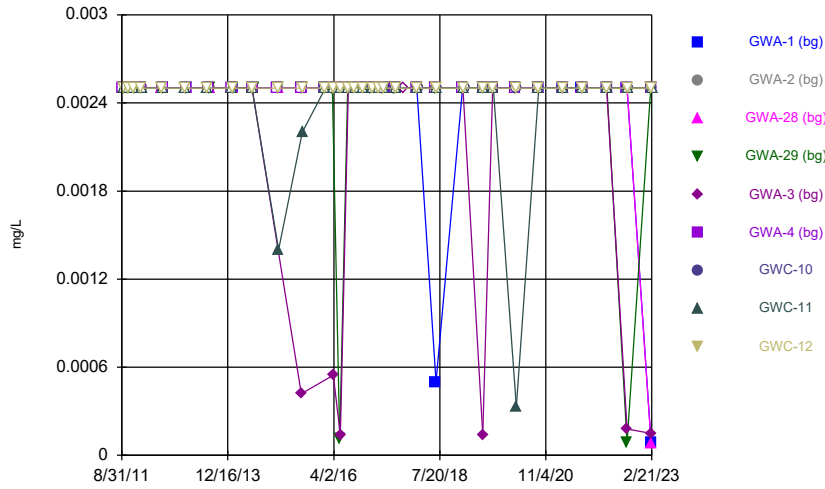
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Time Series



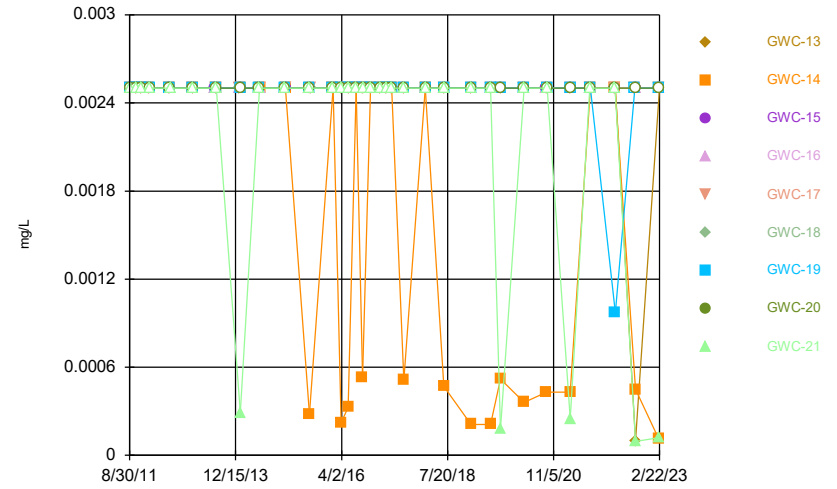
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Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



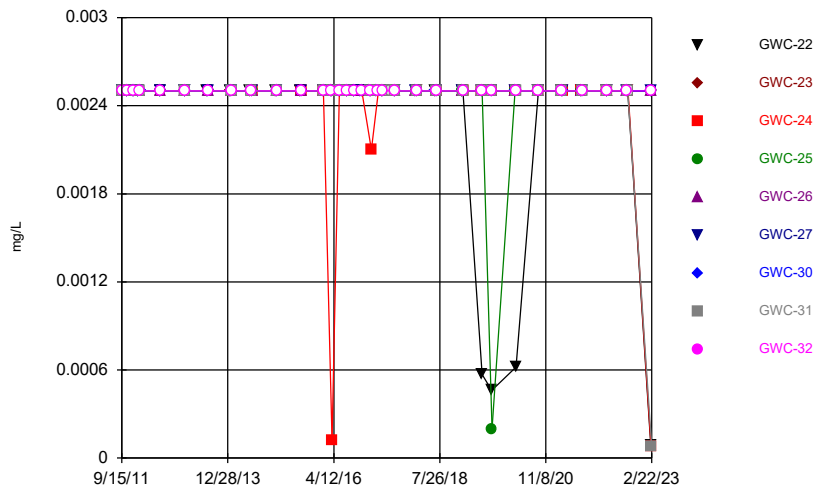
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### Time Series



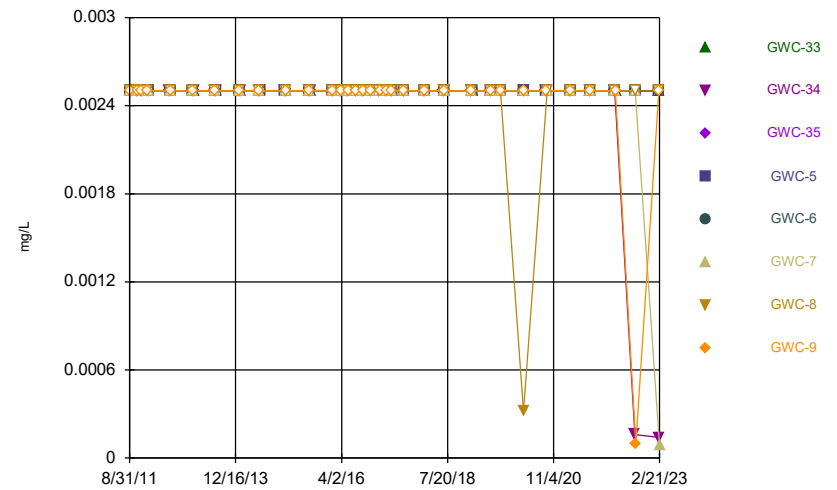
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### Time Series



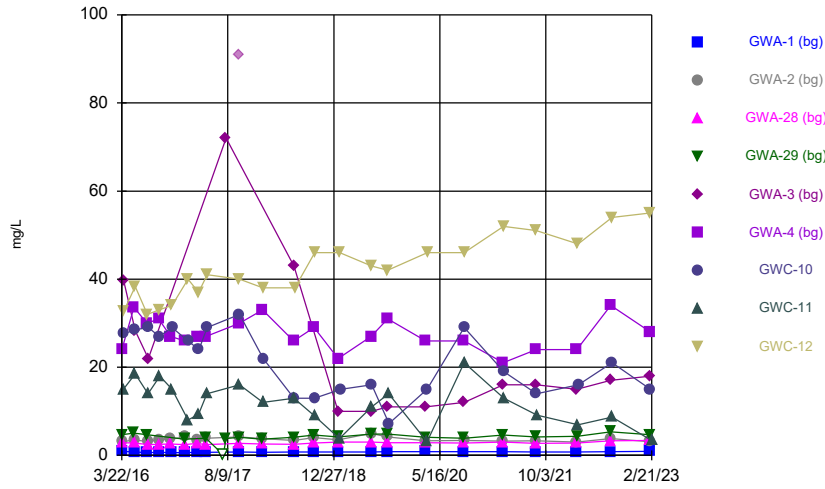
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Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



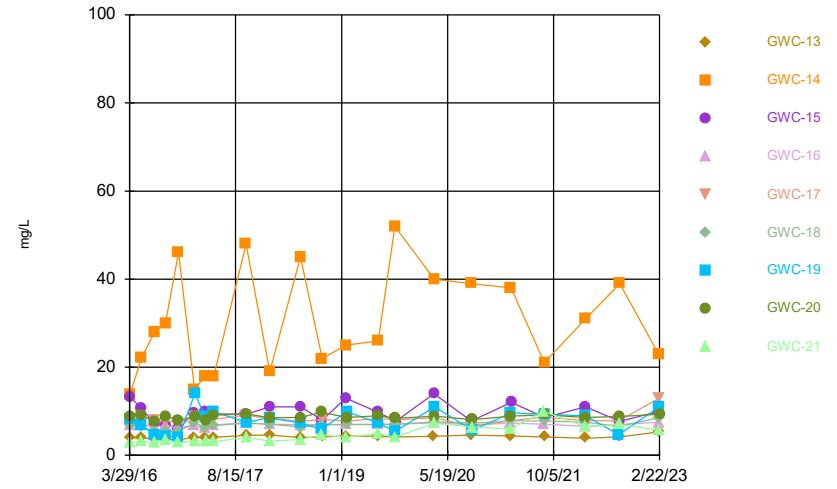
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### Time Series



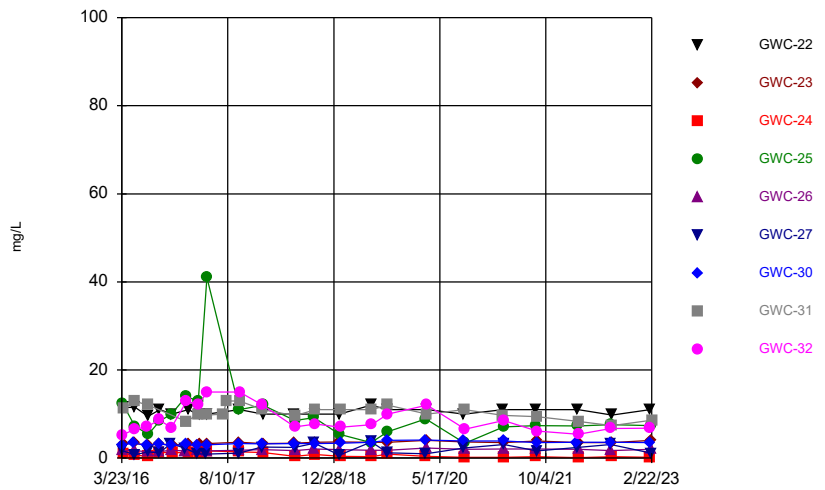
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### Time Series



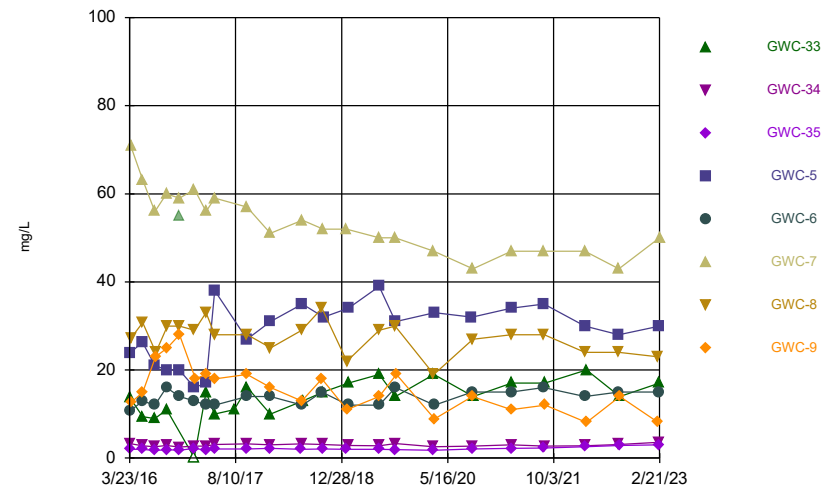
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### Time Series



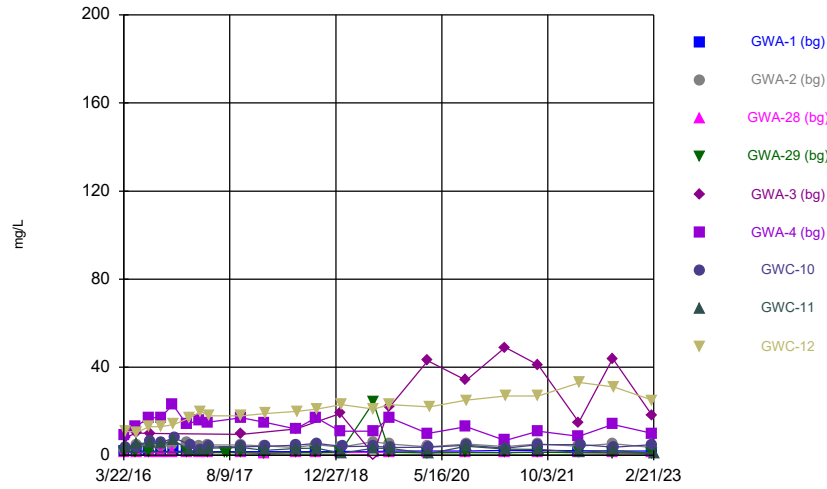
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### Time Series



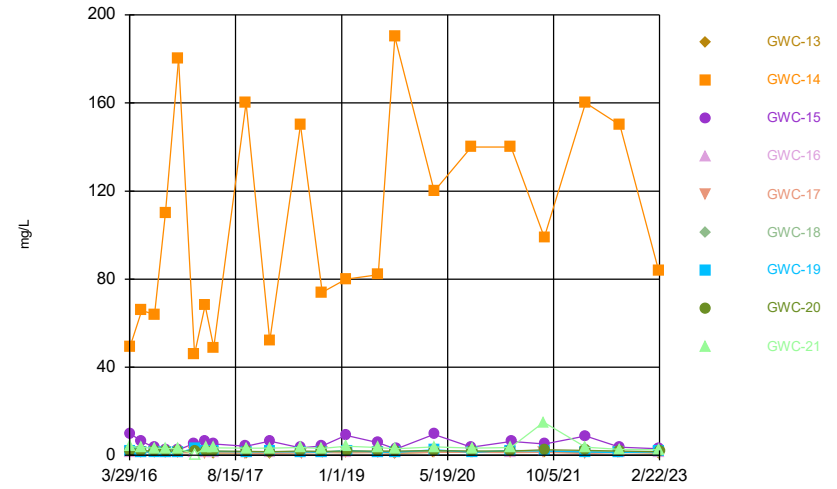
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### Time Series



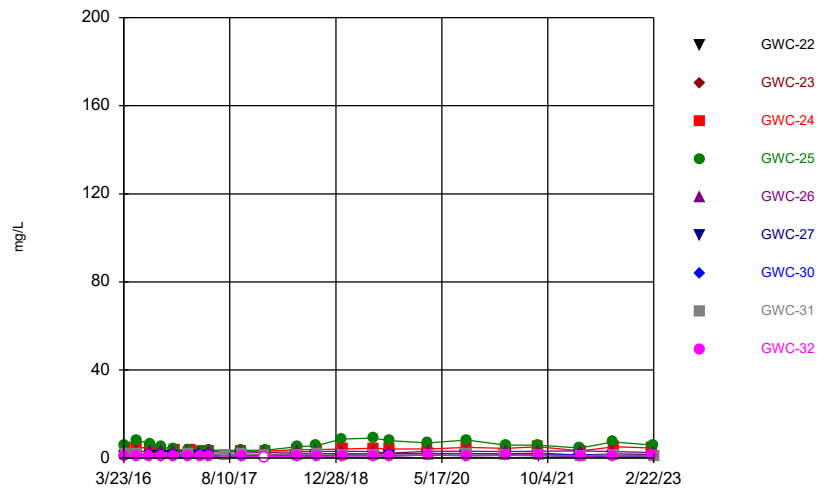
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### Time Series



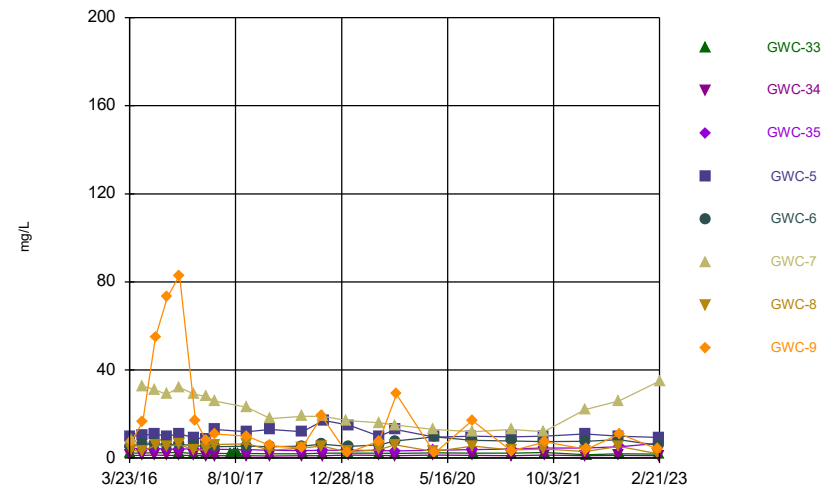
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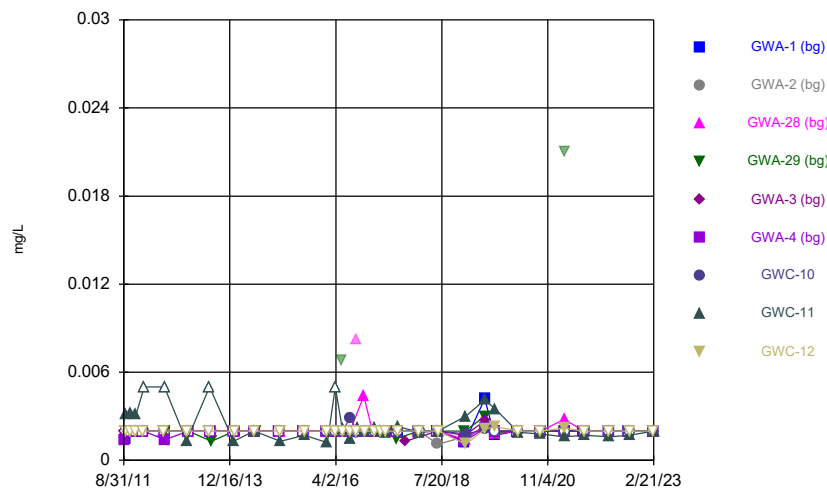
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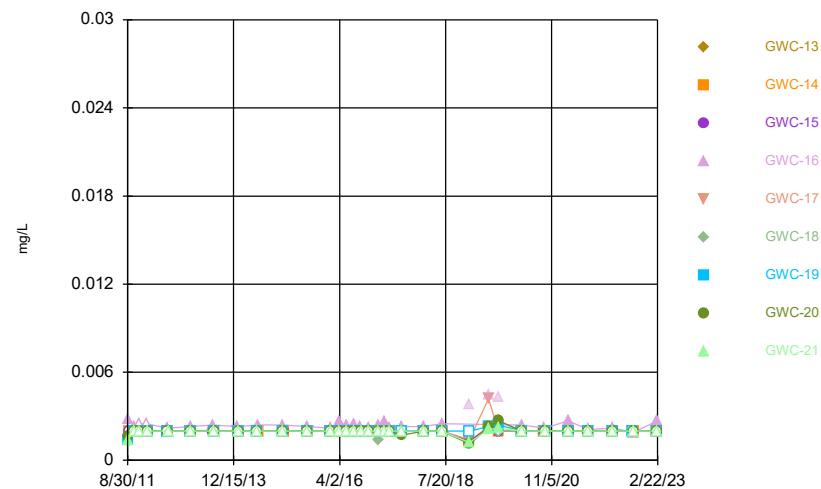
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### Time Series



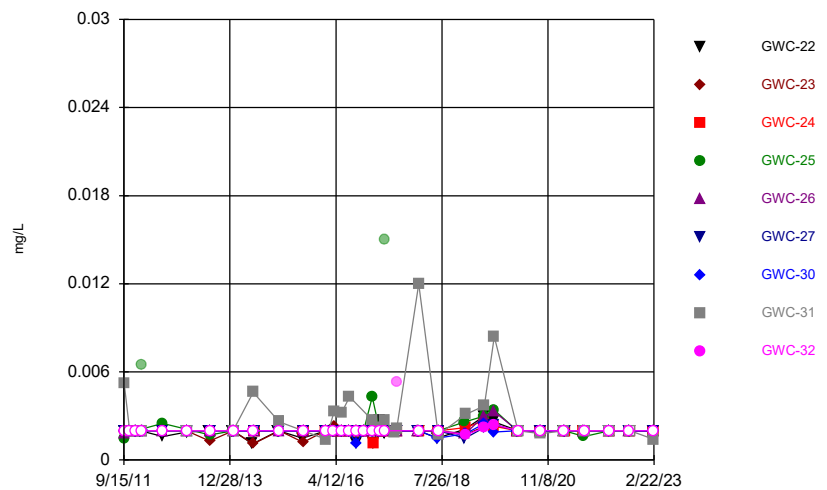
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Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



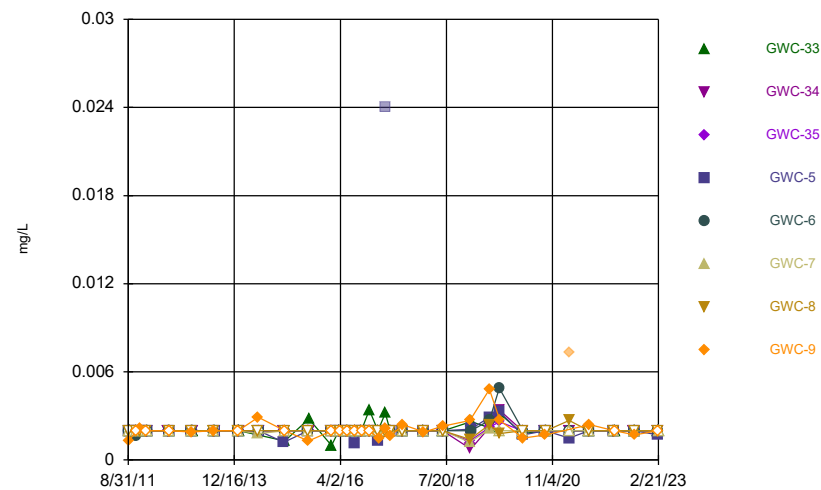
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Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



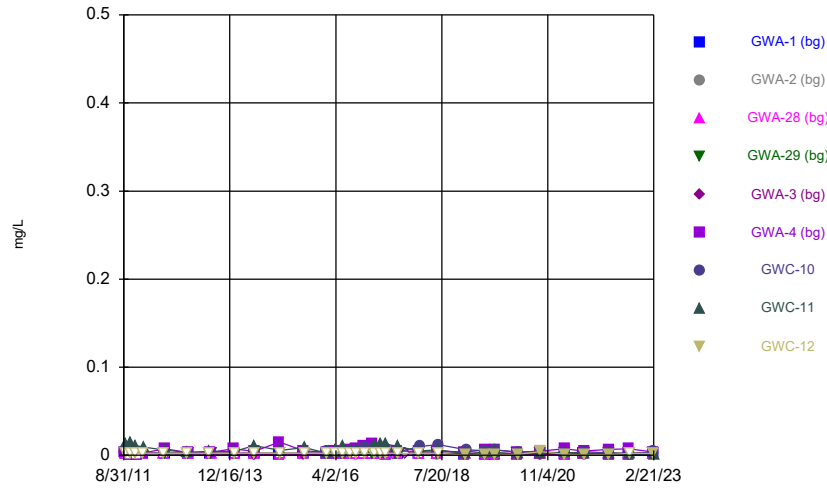
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### Time Series



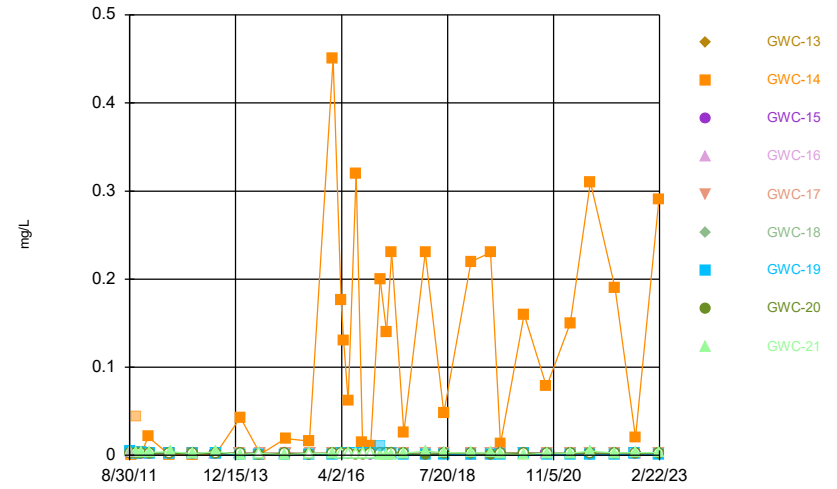
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### Time Series



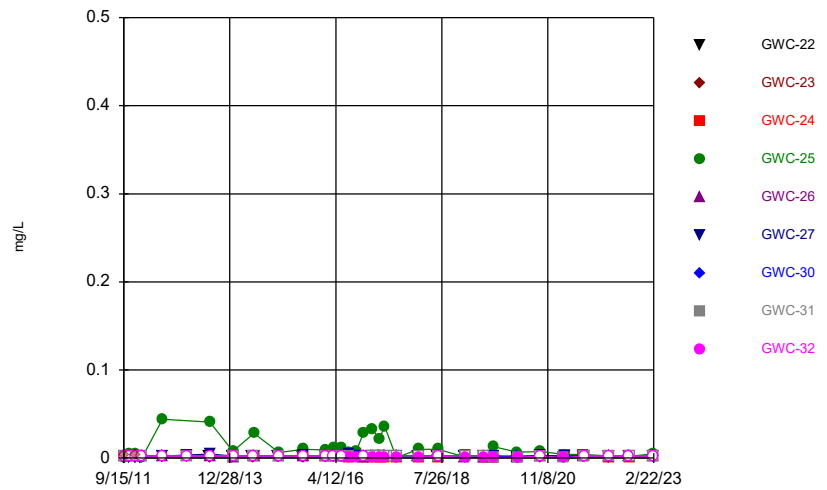
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### Time Series



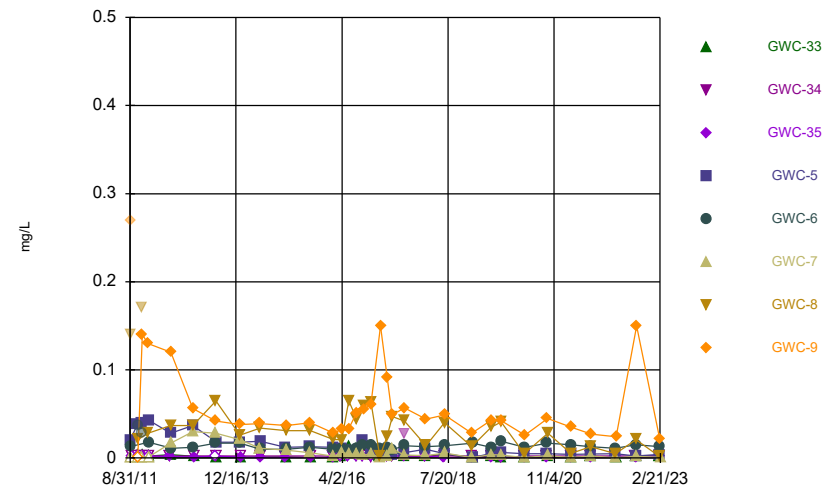
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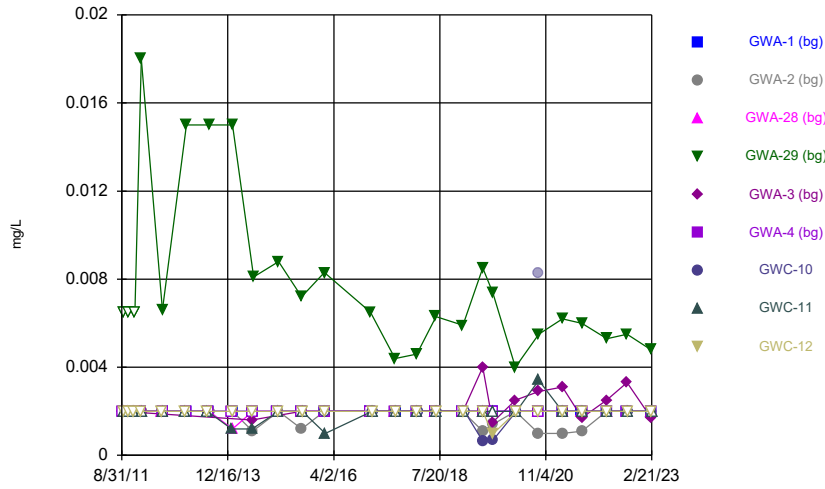
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### Time Series



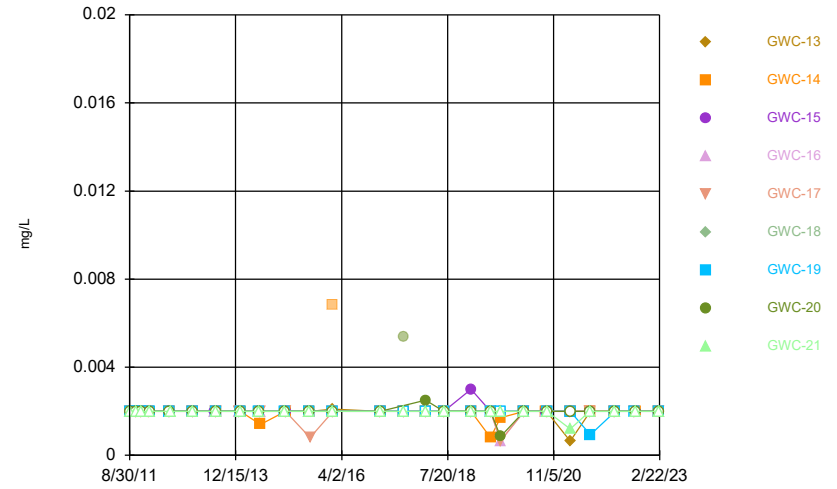
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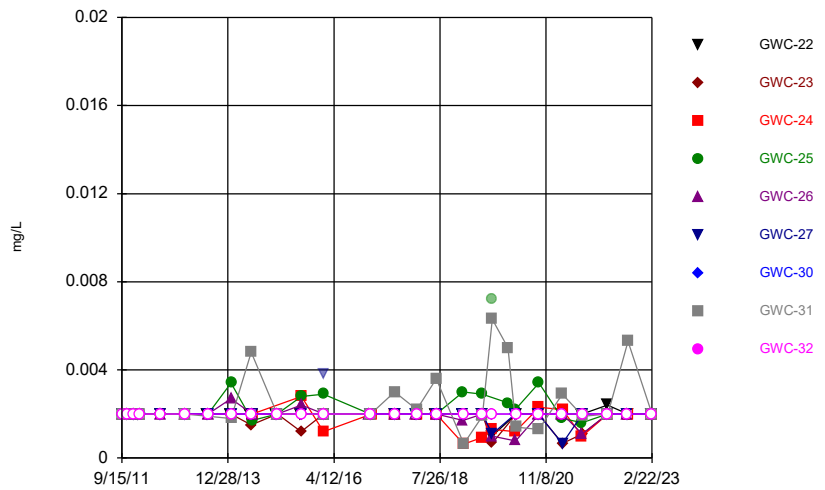
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Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



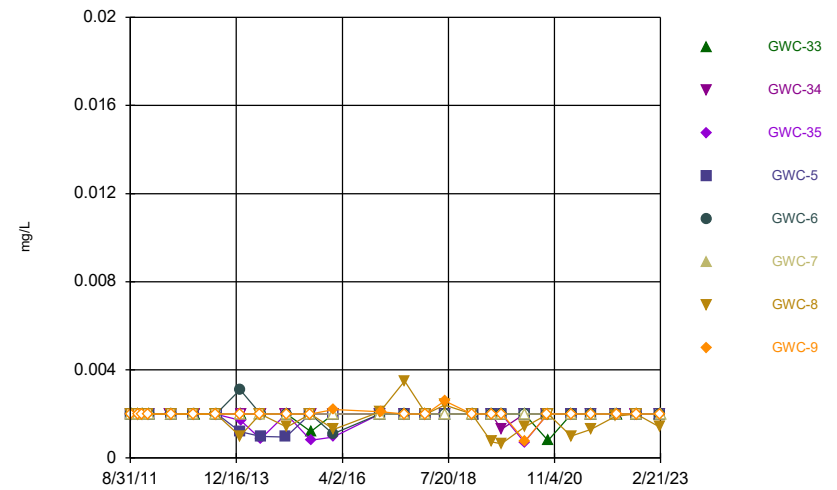
Constituent: Copper Analysis Run 3/29/2023 1:56 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



Constituent: Copper Analysis Run 3/29/2023 1:56 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

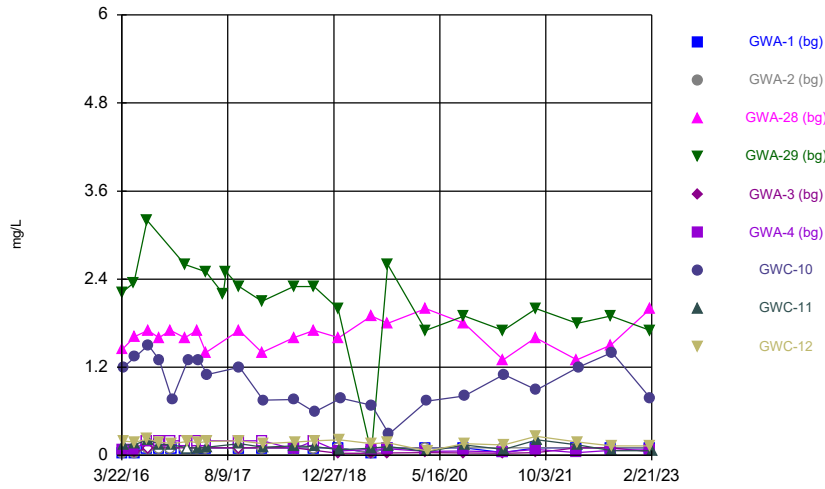
### Time Series



Constituent: Copper Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

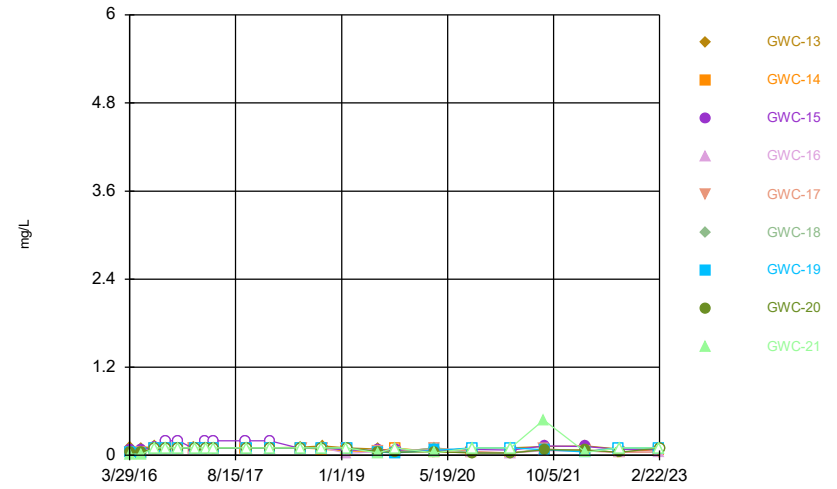


### Time Series



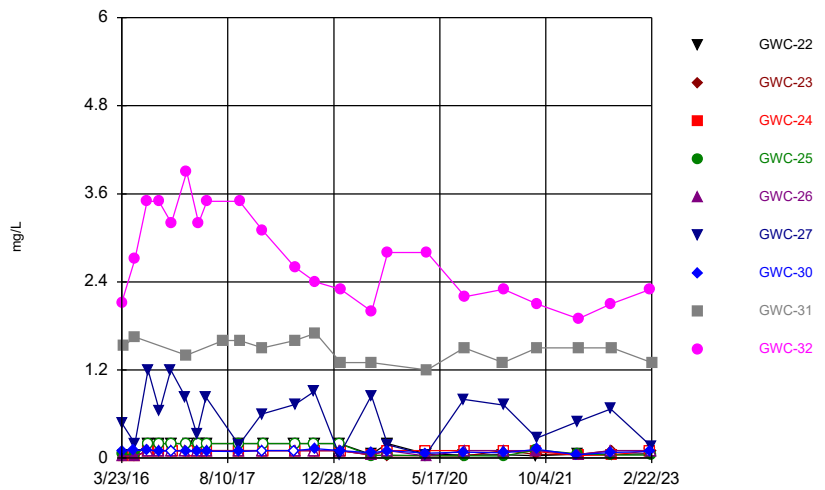
Constituent: Fluoride Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



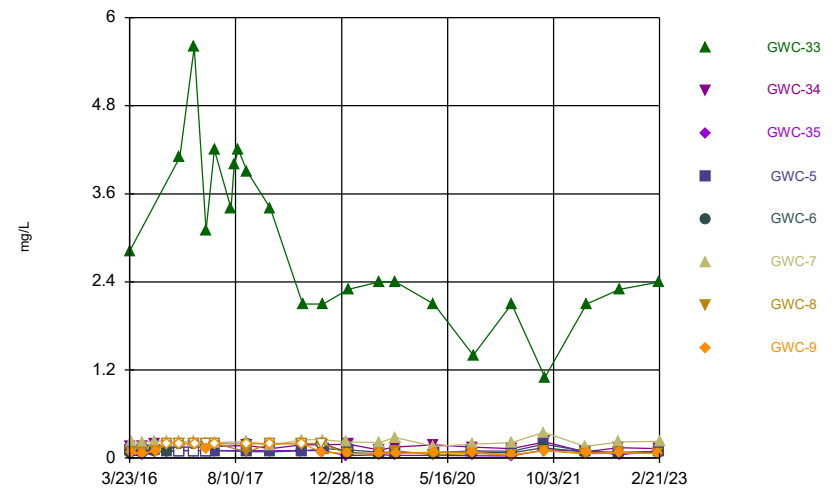
Constituent: Fluoride Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



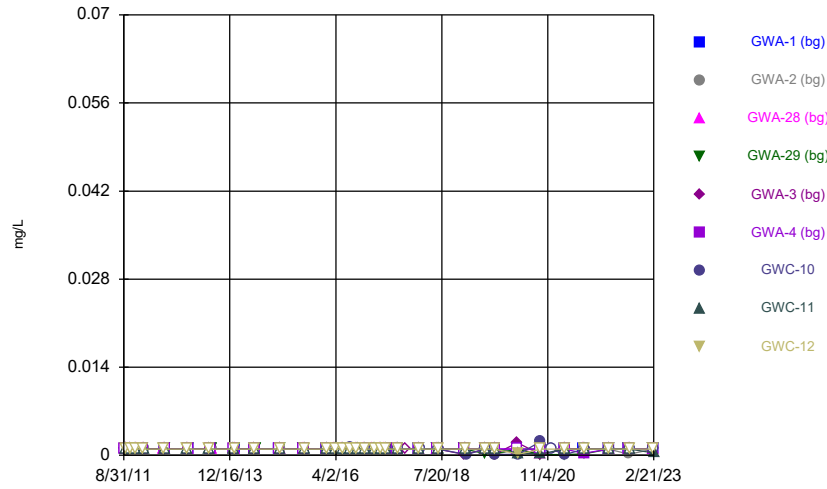
Constituent: Fluoride Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



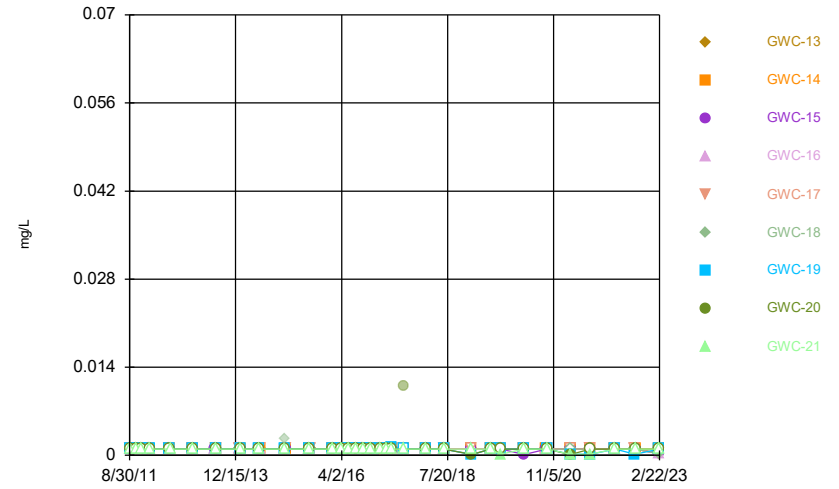
Constituent: Fluoride Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



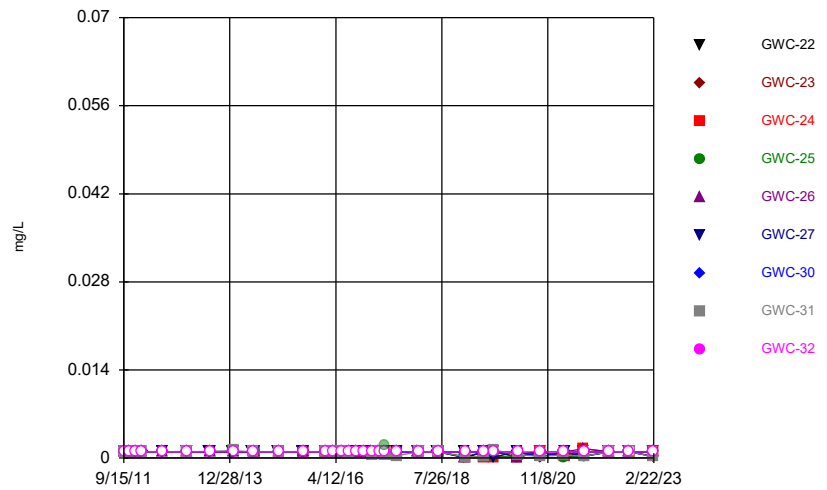
Constituent: Lead Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



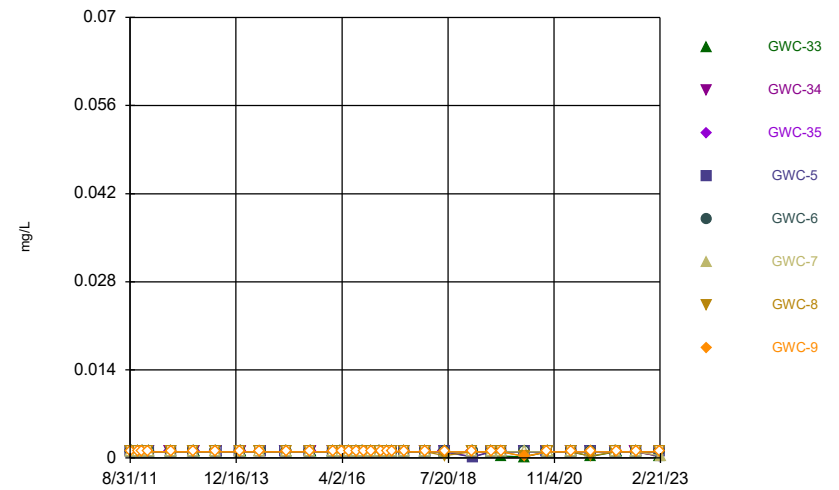
Constituent: Lead Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



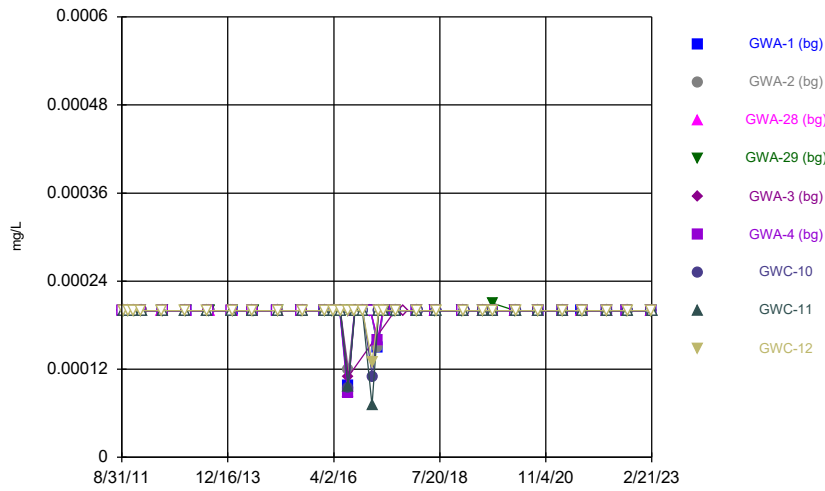
Constituent: Lead Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



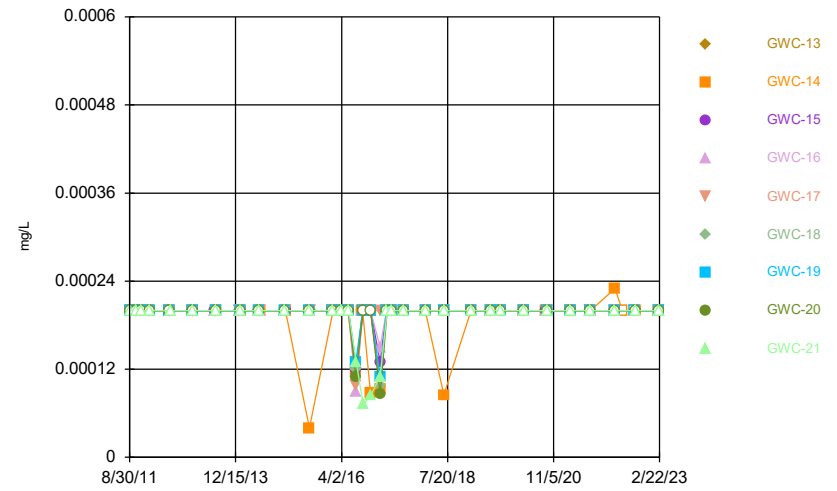
Constituent: Lead Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



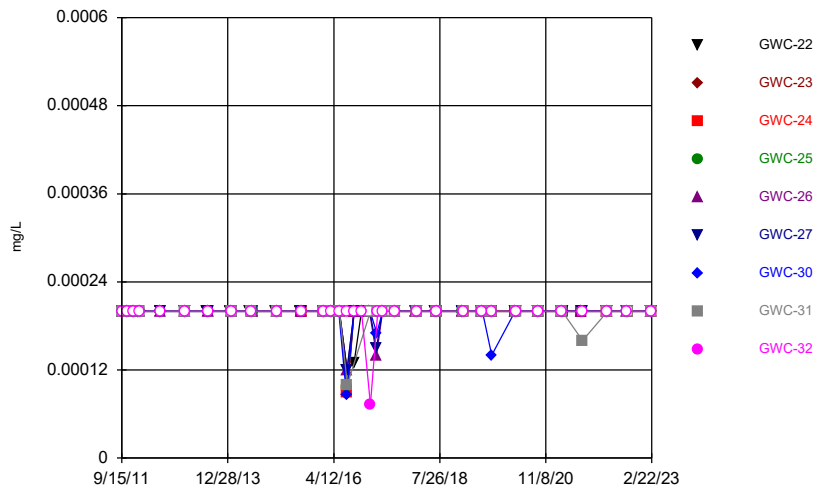
Constituent: Mercury Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



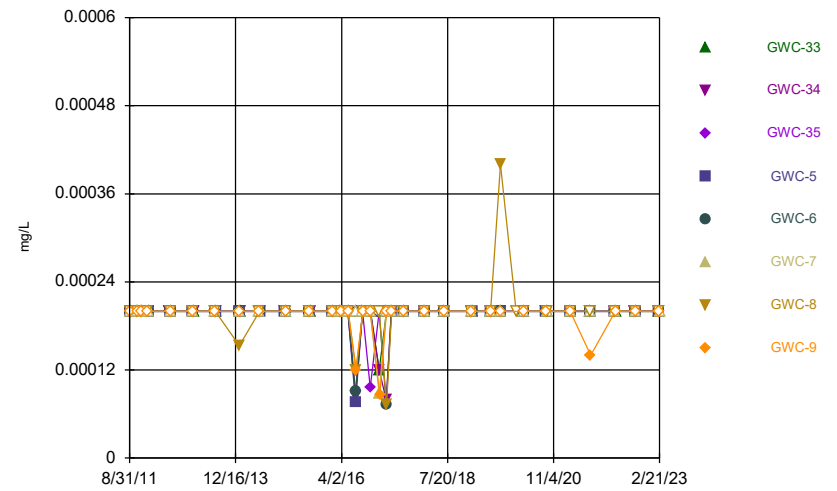
Constituent: Mercury Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



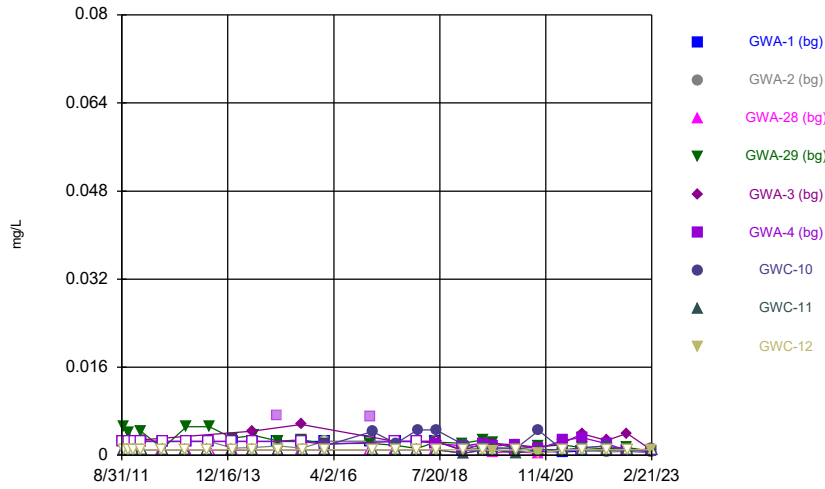
Constituent: Mercury Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



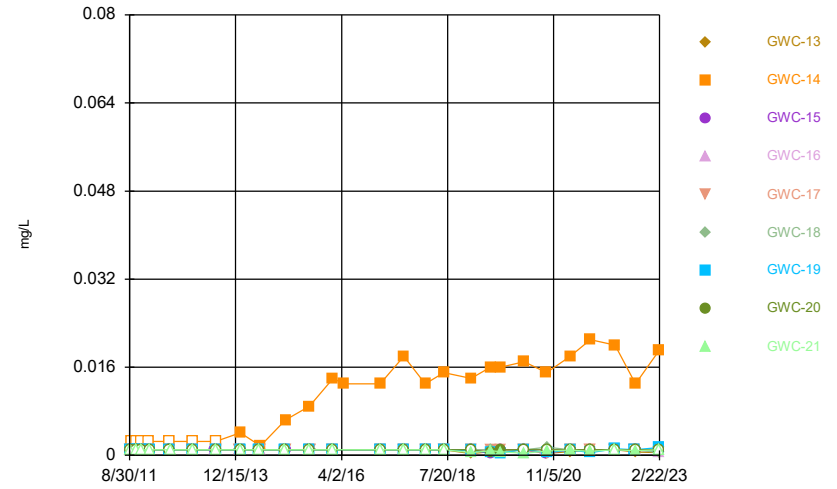
Constituent: Mercury Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Time Series



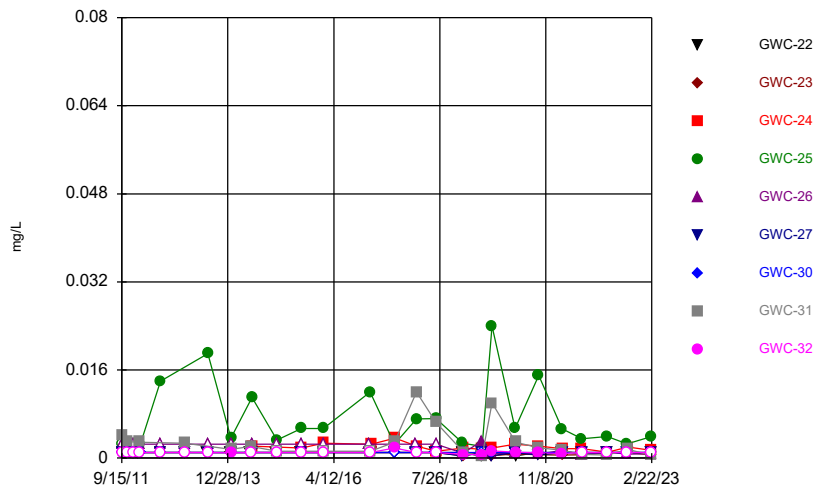
Constituent: Nickel Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Time Series



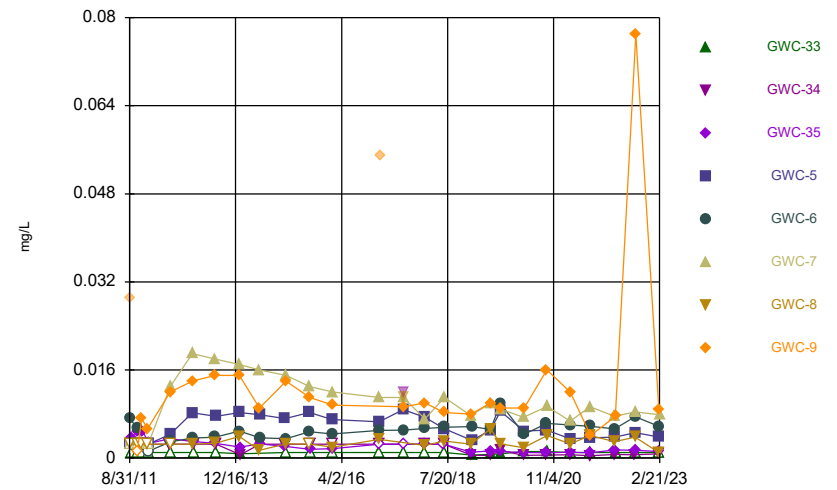
Constituent: Nickel Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Time Series



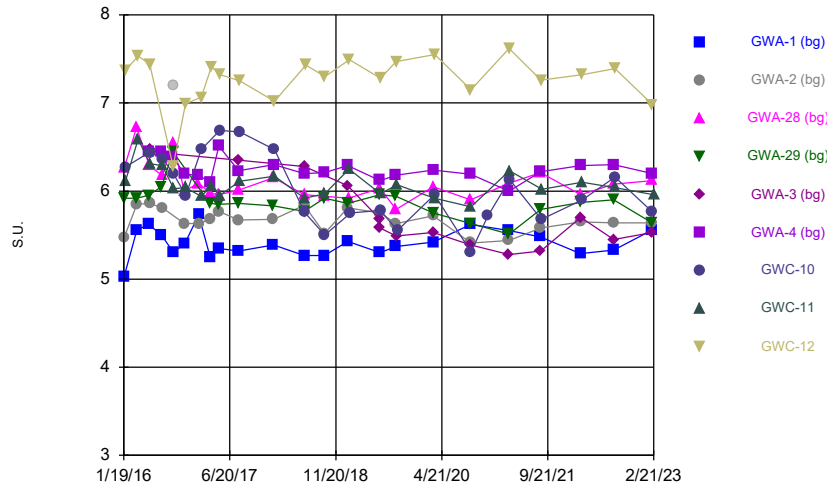
Constituent: Nickel Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Time Series



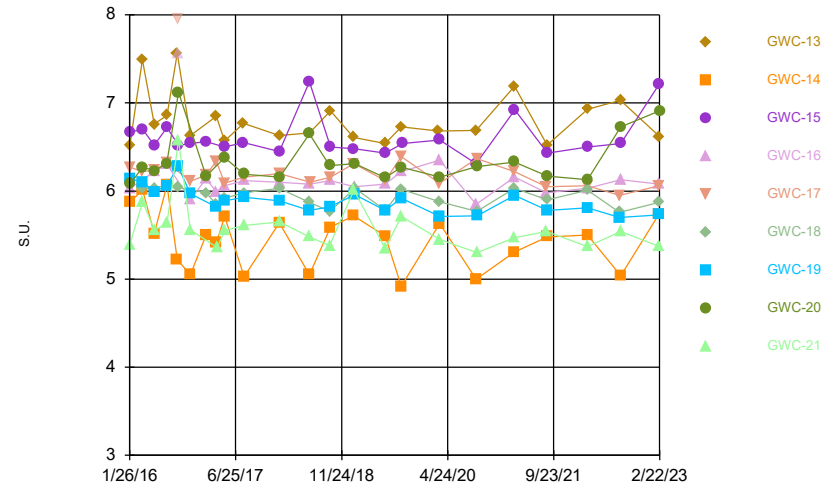
Constituent: Nickel Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Time Series



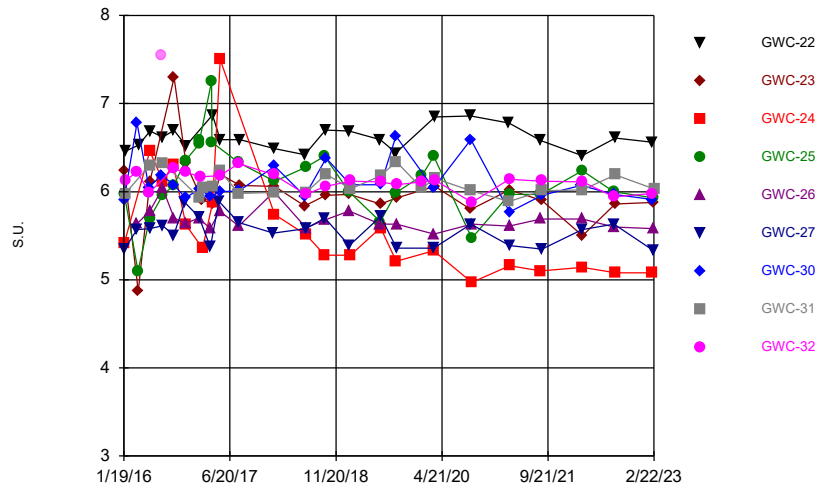
Constituent: pH, Field Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Time Series



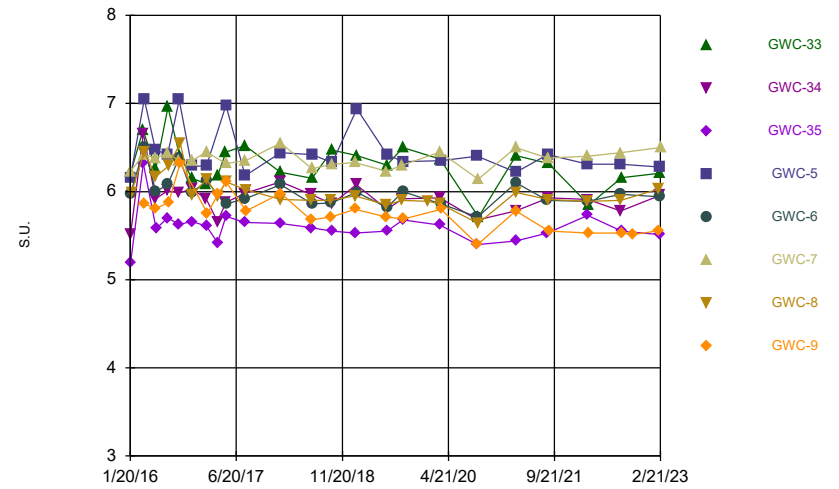
Constituent: pH, Field Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Time Series



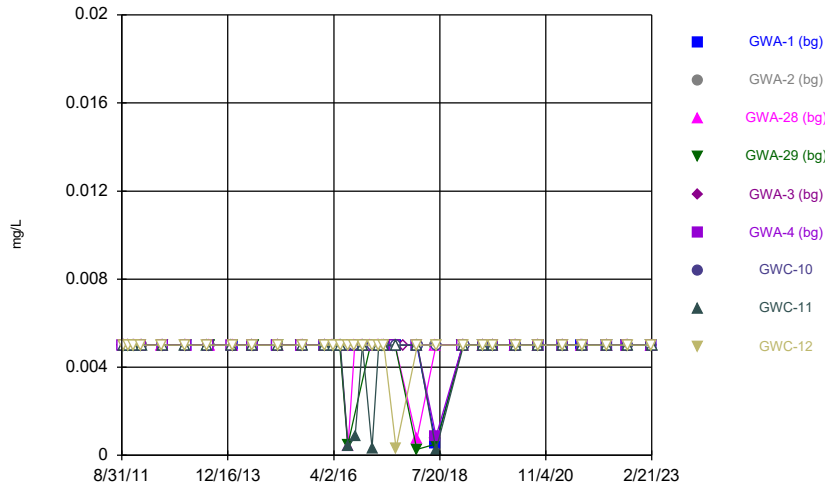
Constituent: pH, Field Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Time Series



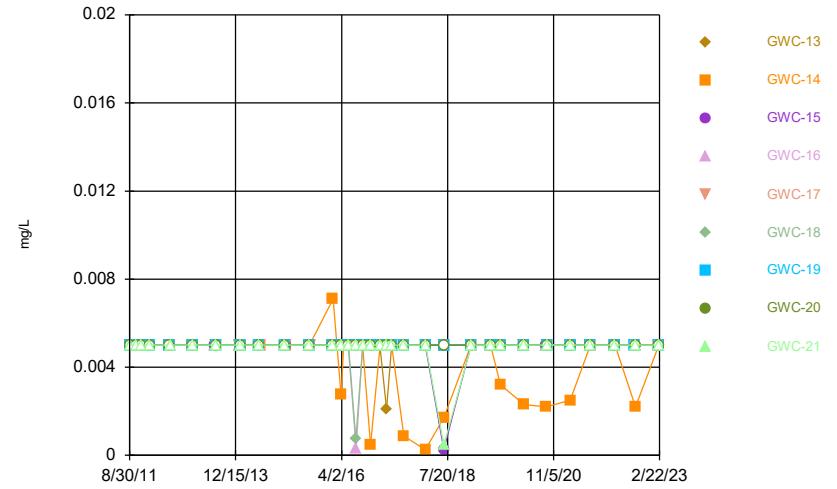
Constituent: pH, Field Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Time Series



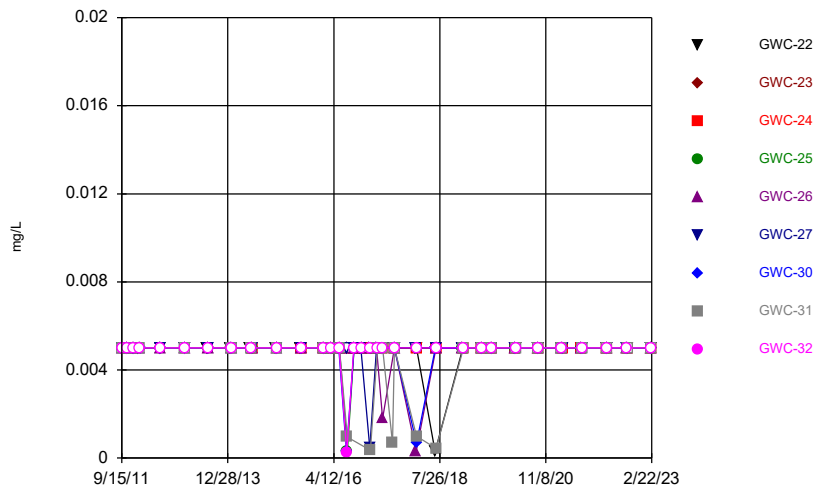
Constituent: Selenium Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Time Series



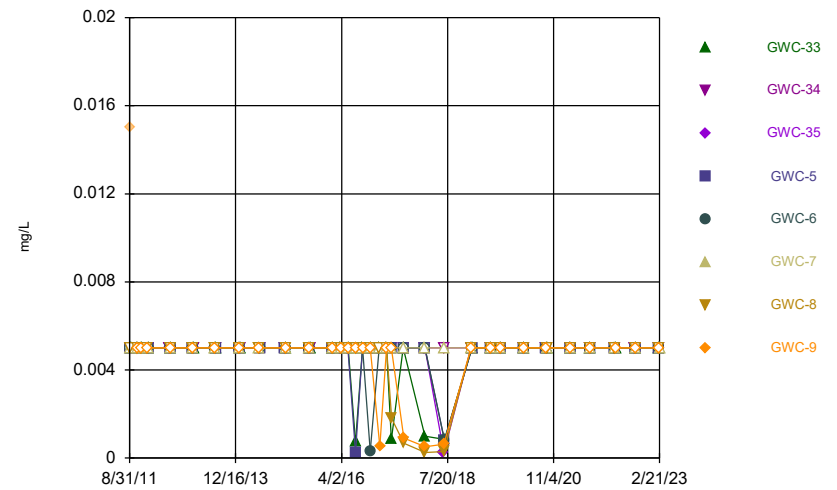
Constituent: Selenium Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Time Series



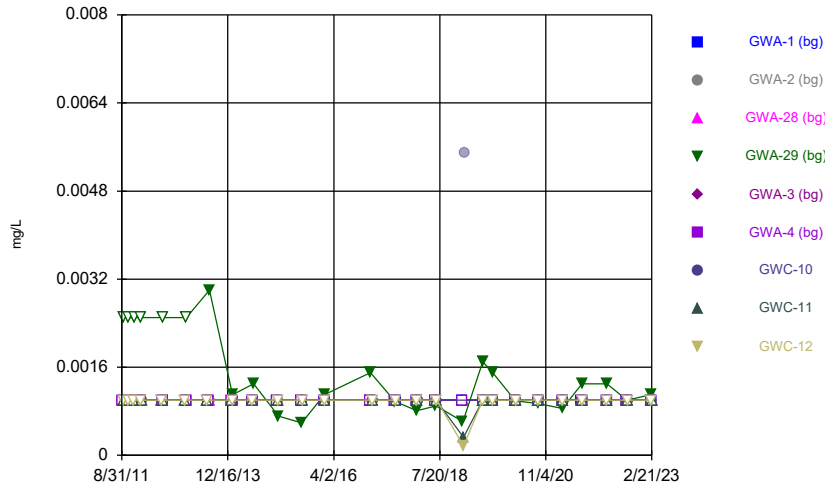
Constituent: Selenium Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Time Series



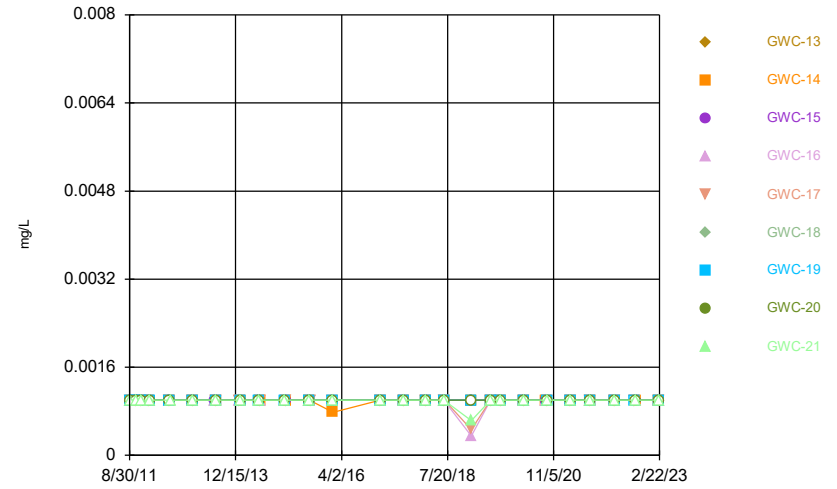
Constituent: Selenium Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Time Series



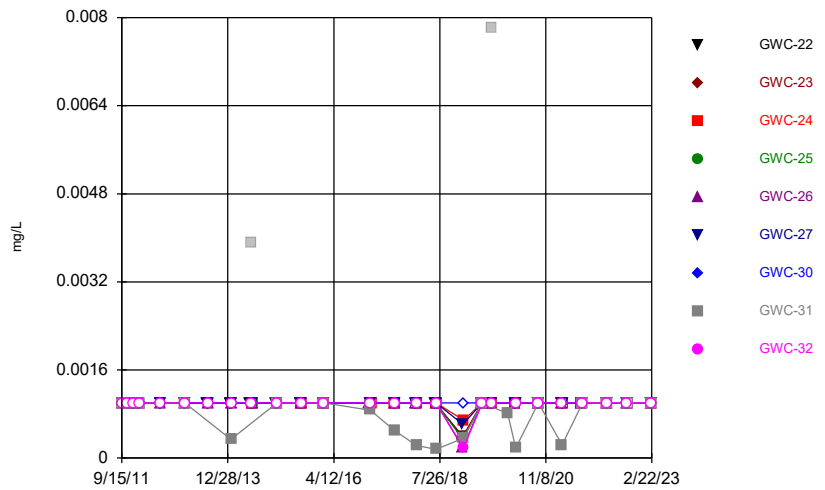
Constituent: Silver Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Time Series



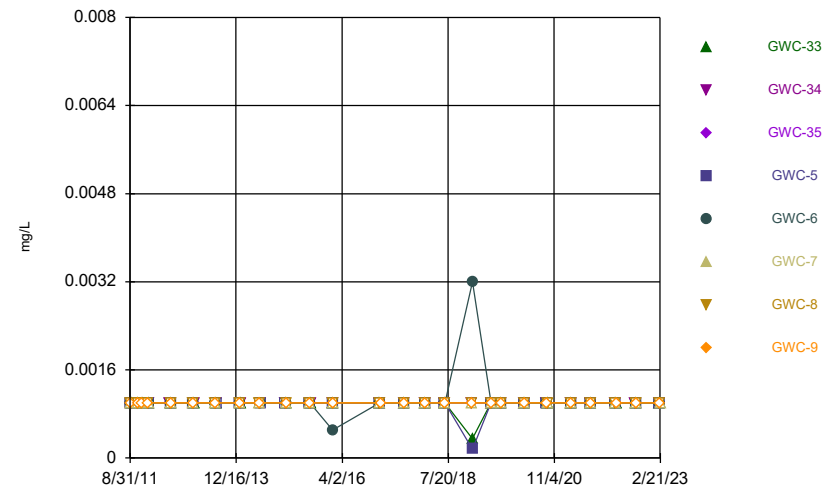
Constituent: Silver Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Time Series



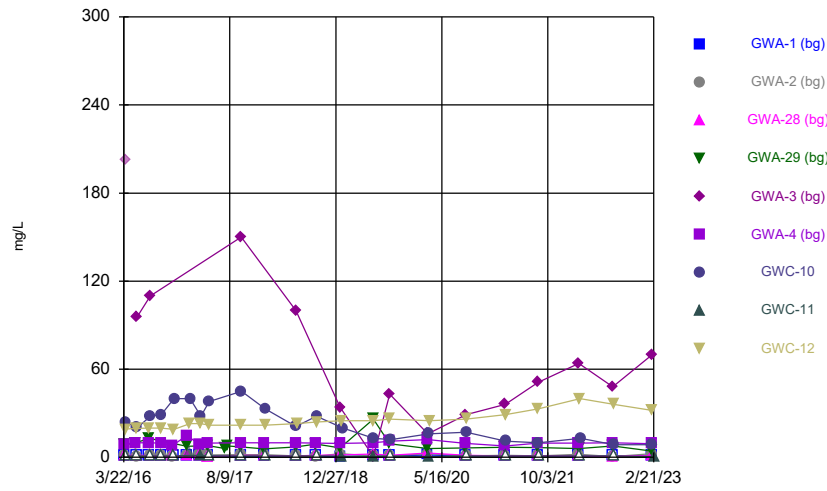
Constituent: Silver Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Time Series



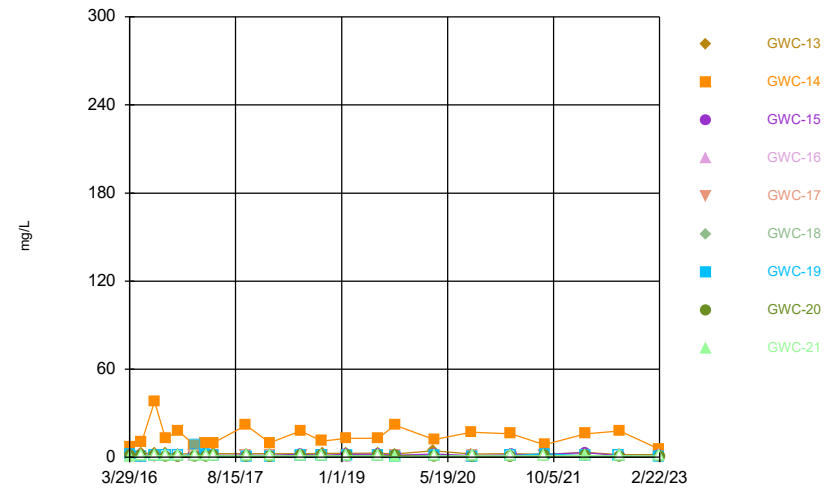
Constituent: Silver Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



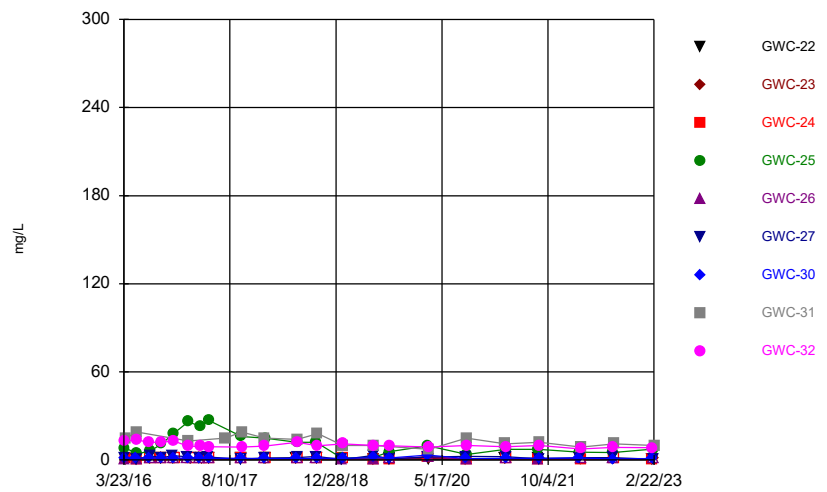
Constituent: Sulfate as SO4 Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



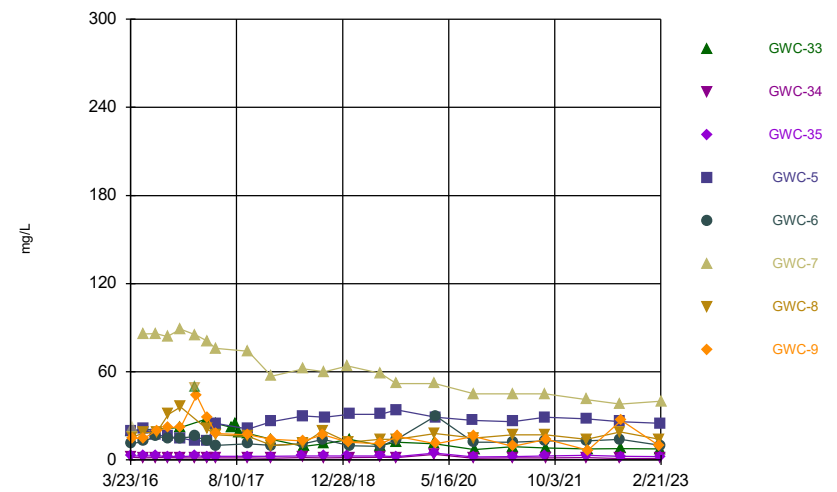
Constituent: Sulfate as SO4 Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



Constituent: Sulfate as SO4 Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

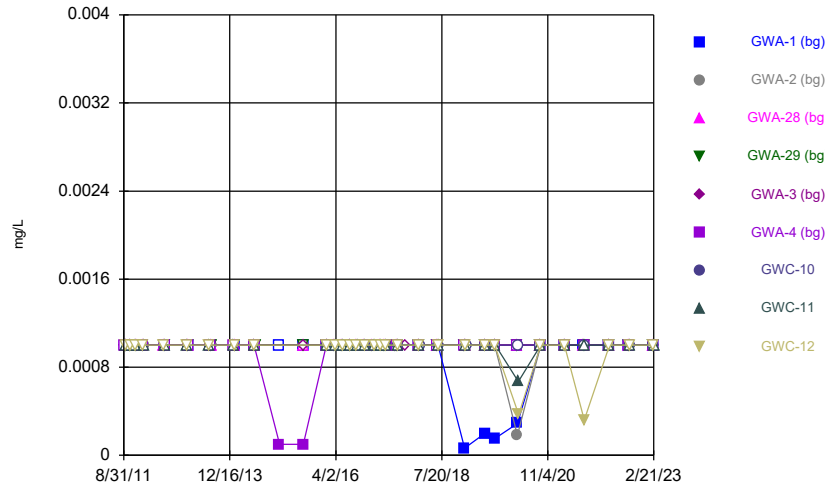
### Time Series



Constituent: Sulfate as SO4 Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

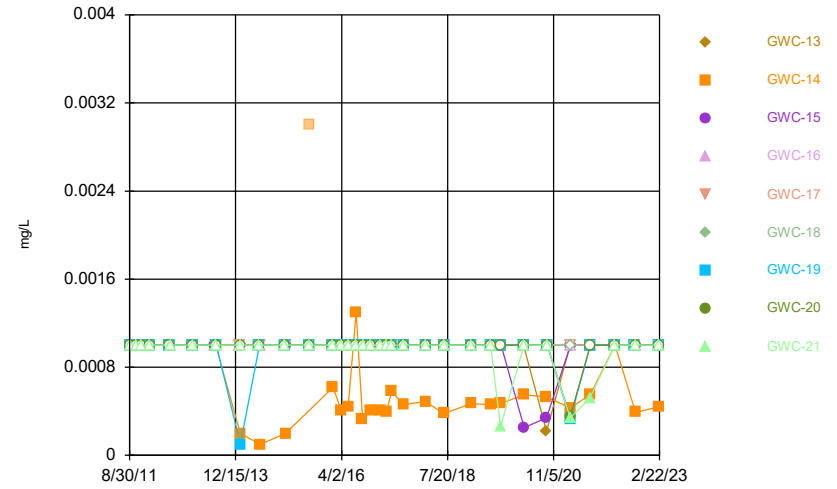


### Time Series



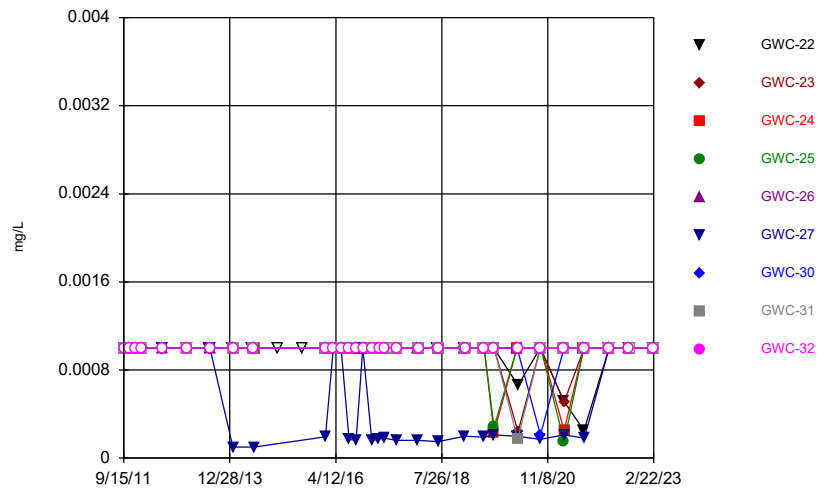
Constituent: Thallium Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



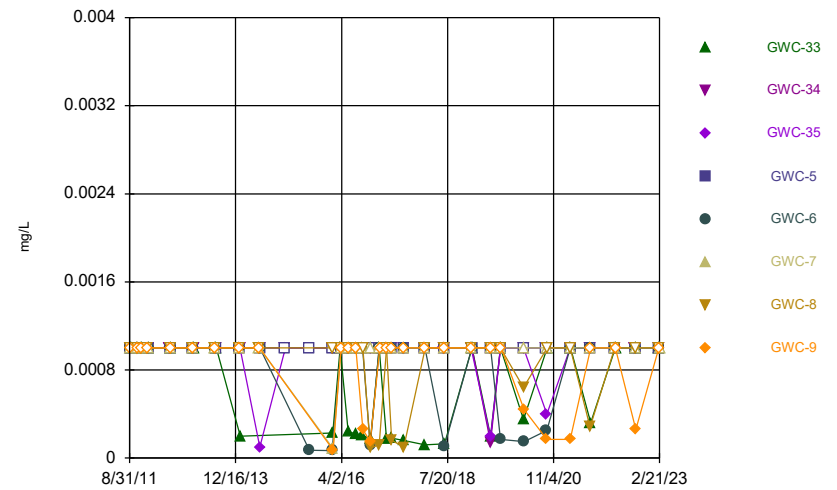
Constituent: Thallium Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



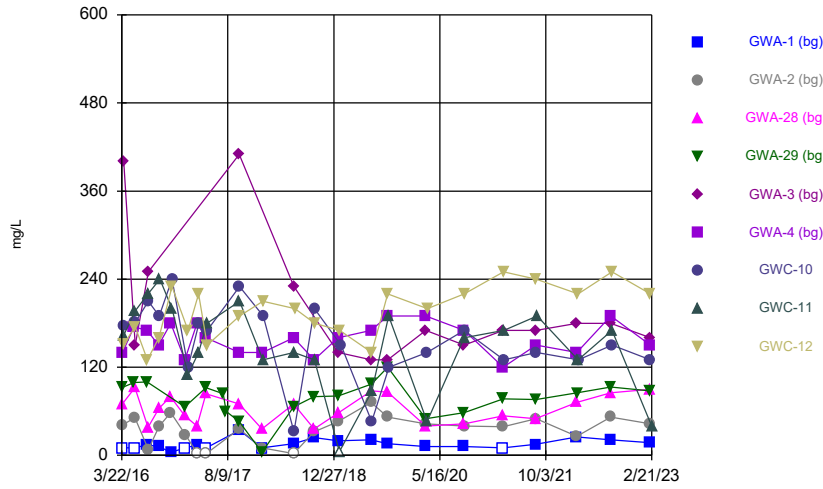
Constituent: Thallium Analysis Run 3/29/2023 1:57 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



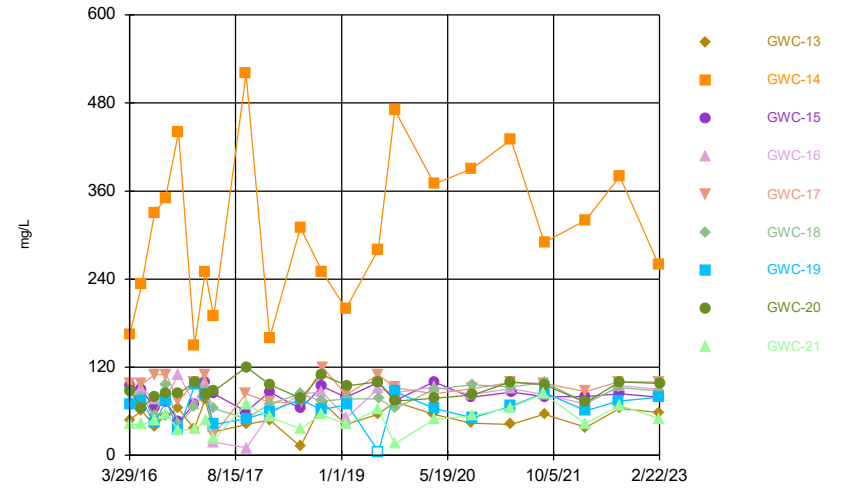
Constituent: Thallium Analysis Run 3/29/2023 1:58 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



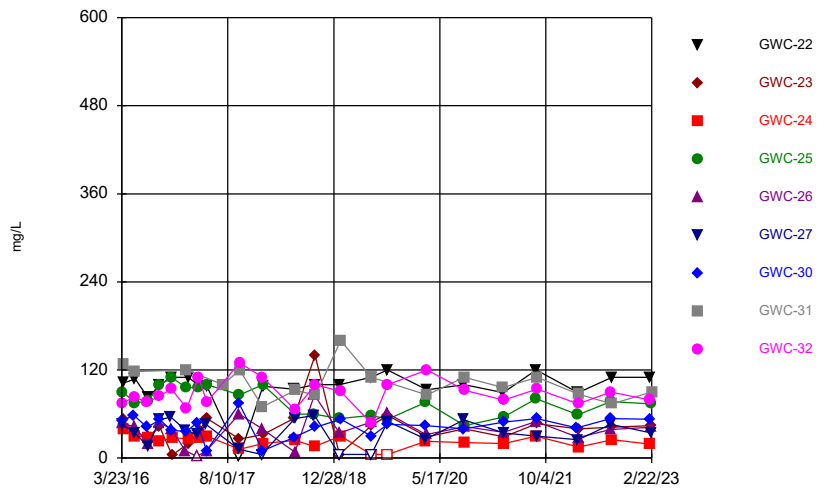
Constituent: Total Dissolved Solids [TDS] Analysis Run 3/29/2023 1:58 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



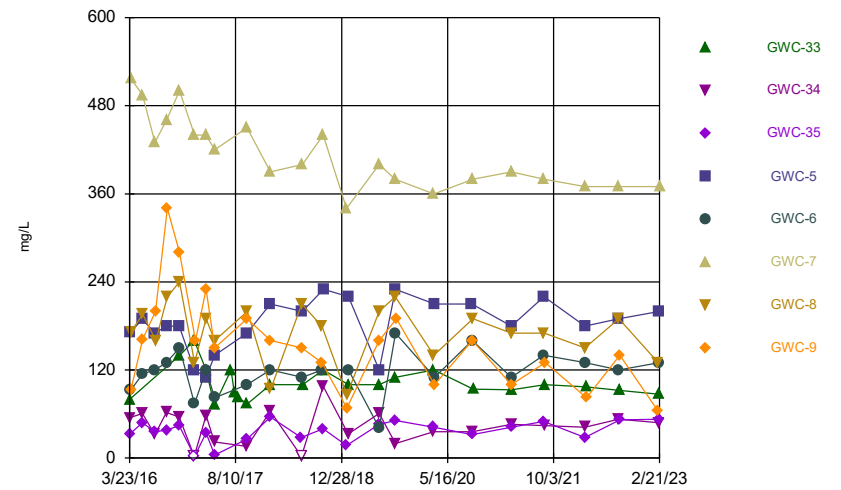
Constituent: Total Dissolved Solids [TDS] Analysis Run 3/29/2023 1:58 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



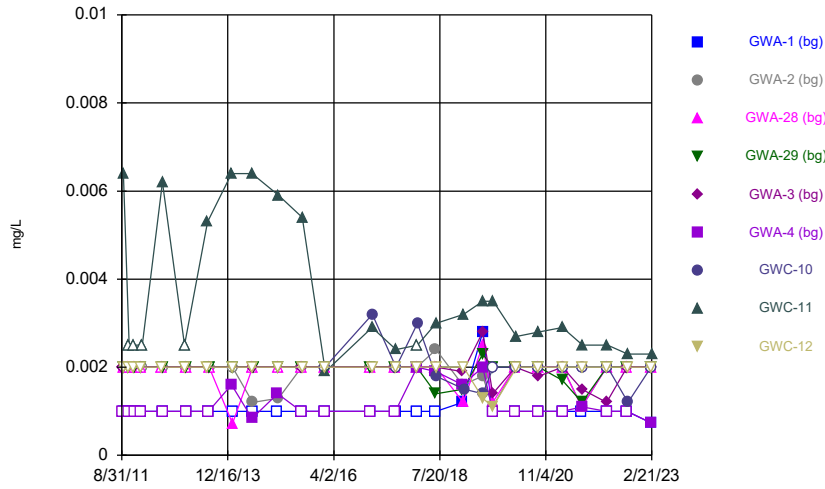
Constituent: Total Dissolved Solids [TDS] Analysis Run 3/29/2023 1:58 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



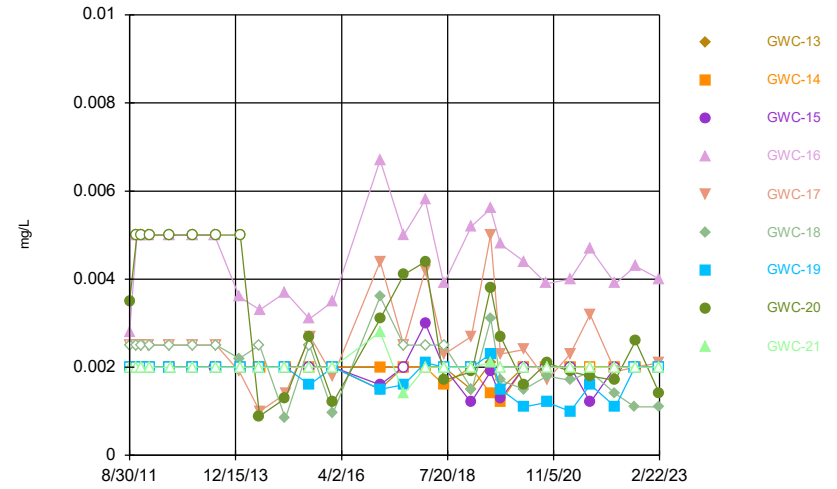
Constituent: Total Dissolved Solids [TDS] Analysis Run 3/29/2023 1:58 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



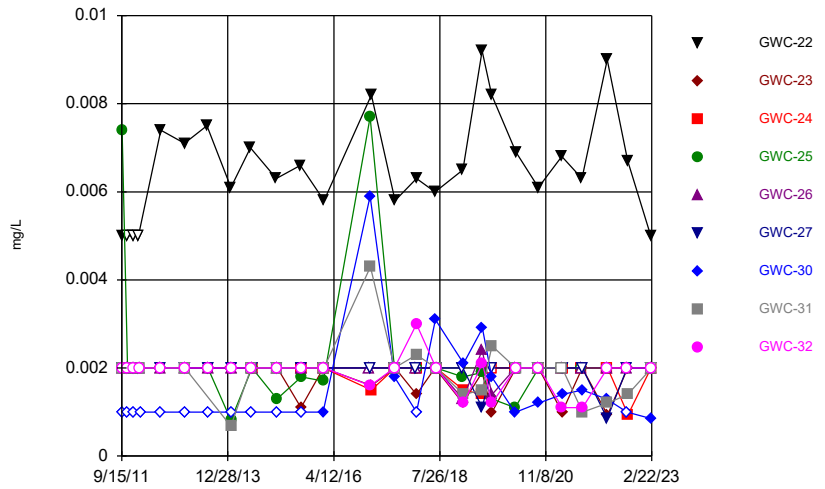
Constituent: Vanadium Analysis Run 3/29/2023 1:58 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



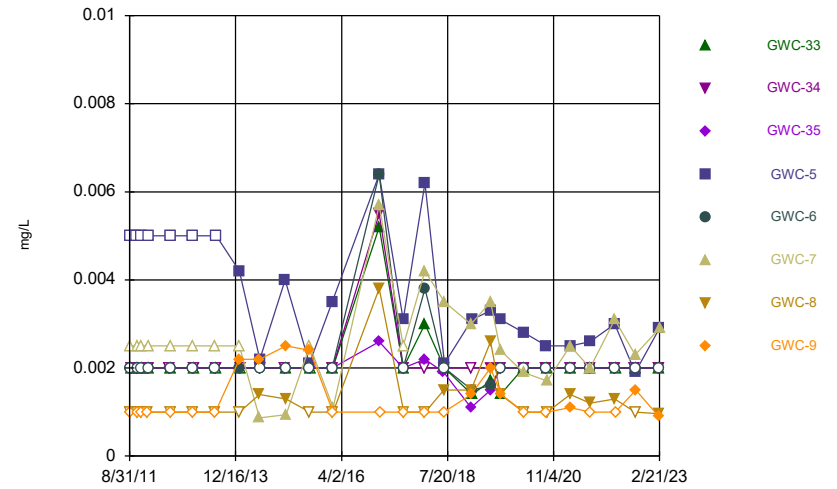
Constituent: Vanadium Analysis Run 3/29/2023 1:58 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



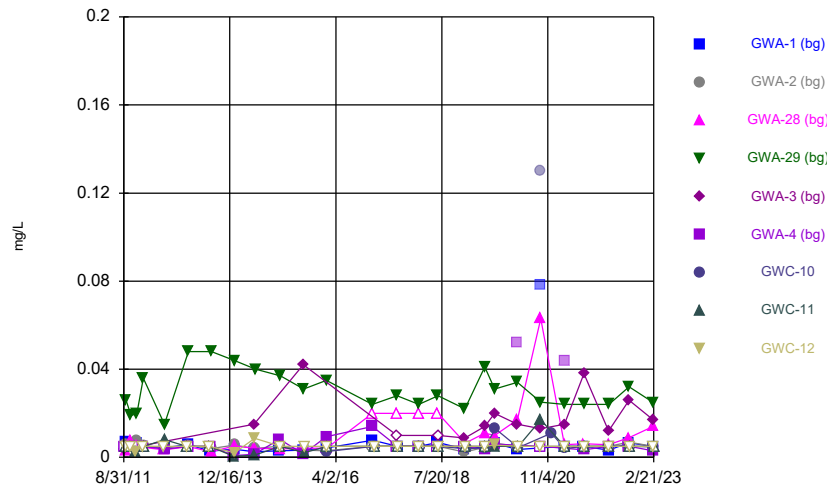
Constituent: Vanadium Analysis Run 3/29/2023 1:58 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



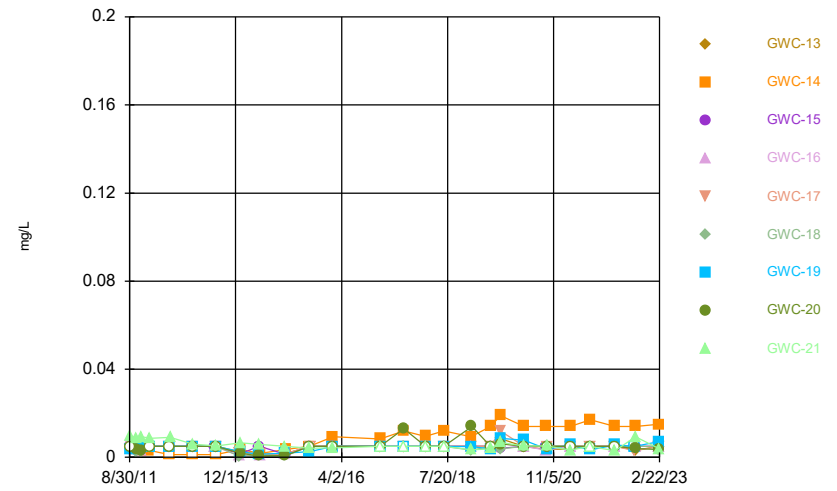
Constituent: Vanadium Analysis Run 3/29/2023 1:58 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



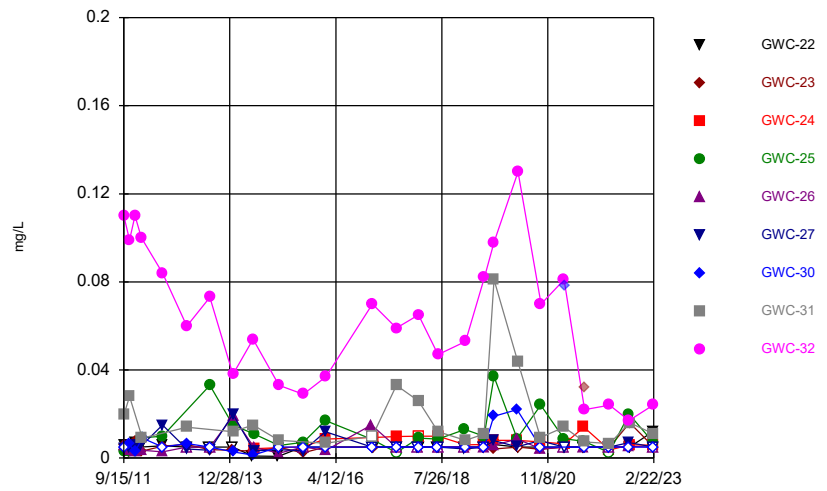
Constituent: Zinc Analysis Run 3/29/2023 1:58 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



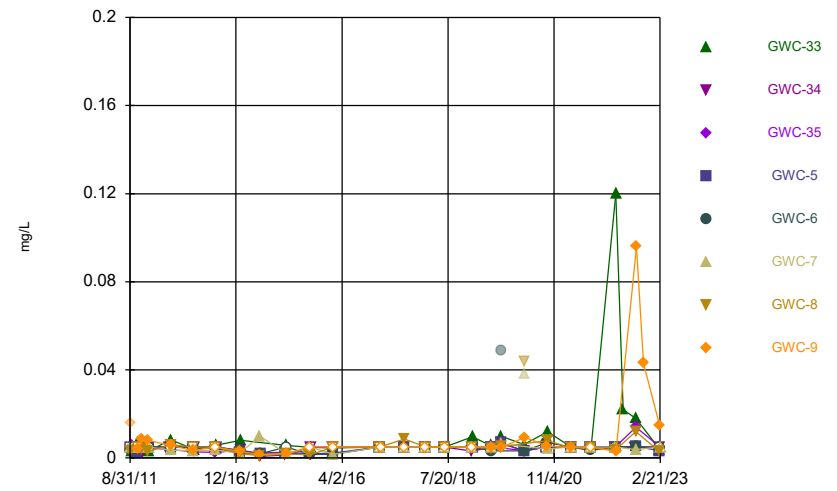
Constituent: Zinc Analysis Run 3/29/2023 1:58 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



Constituent: Zinc Analysis Run 3/29/2023 1:58 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Time Series



Constituent: Zinc Analysis Run 3/29/2023 1:58 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

# Time Series

Constituent: Antimony (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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 3/29/2023 2:00 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		
8/9/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002			
8/15/2022								<0.002	
8/16/2022							<0.002		<0.002
2/13/2023				<0.002					
2/14/2023	0.00037 (J)	<0.002	<0.002		<0.002	<0.002			
2/15/2023							<0.002		<0.002
2/21/2023								<0.002	

# Time Series

Constituent: Antimony (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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		
8/11/2022					<0.002	<0.002	<0.002		
8/15/2022	0.0011 (J)								
8/16/2022		<0.002	<0.002	<0.002				<0.002	<0.002
2/17/2023		<0.002							
2/20/2023				<0.002	<0.002	<0.002			
2/21/2023	<0.002		<0.002				<0.002		<0.002
2/22/2023								0.00052 (J)	

# Time Series

Constituent: Antimony (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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 3/29/2023 2:00 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	
8/10/2022				<0.002	<0.002	<0.002	<0.002		<0.002
8/16/2022		<0.002						<0.002	
8/17/2022	<0.002								
8/18/2022			<0.002						
2/14/2023	<0.002						<0.002		
2/15/2023									<0.002
2/16/2023			<0.002						
2/20/2023						<0.002			
2/21/2023		<0.002		<0.002	<0.002				
2/22/2023								<0.002	

# Time Series

Constituent: Antimony (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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
8/10/2022		<0.002						

# Time Series

Constituent: Antimony (mg/L) Analysis Run 3/29/2023 2:00 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
8/11/2022				<0.002	<0.002	<0.002	<0.002	
8/15/2022	<0.002		<0.002					
8/16/2022								<0.002
2/15/2023							<0.002	<0.002
2/20/2023	<0.002	<0.002	<0.002	<0.002	<0.002			
2/21/2023						<0.002		

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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						0.0012 (J)	
5/2/2017									
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 3/29/2023 2:00 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		
8/9/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
8/15/2022								0.0013	
8/16/2022							<0.001		<0.001
2/13/2023				<0.001					
2/14/2023	<0.001	<0.001	<0.001		<0.001	<0.001			
2/15/2023							<0.001		<0.001
2/21/2023								<0.001	

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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		
8/11/2022					<0.001	<0.001	<0.001		
8/15/2022	<0.001								
8/16/2022		<0.001	<0.001	<0.001				<0.001	<0.001
2/17/2023		<0.001							
2/20/2023				<0.001	<0.001	<0.001			
2/21/2023	<0.001		<0.001				<0.001		<0.001
2/22/2023								<0.001	

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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 3/29/2023 2:00 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	
8/10/2022				<0.001	<0.001	<0.001	<0.001		<0.001
8/16/2022		<0.001						<0.001	
8/17/2022	<0.001								
8/18/2022			<0.001						
2/14/2023	<0.001						<0.001		
2/15/2023									<0.001
2/16/2023			<0.001						
2/20/2023						<0.001			
2/21/2023		<0.001		<0.001	<0.001				
2/22/2023								<0.001	

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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
8/10/2022		<0.001						

# Time Series

Constituent: Arsenic (mg/L) Analysis Run 3/29/2023 2:00 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
8/11/2022				<0.001	<0.001	<0.001	<0.001	
8/15/2022	<0.001		<0.001					
8/16/2022								0.00092 (J)
2/15/2023							<0.001	<0.001
2/20/2023	<0.001	<0.001	<0.001	<0.001	<0.001			
2/21/2023						<0.001		

# Time Series

Constituent: Barium (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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						0.34	
5/2/2017									
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 3/29/2023 2:00 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		
8/9/2022	0.012	0.015	<0.01	0.0011 (J)	0.098	0.12			
8/15/2022								0.22	
8/16/2022							0.011		0.025
2/13/2023				<0.01					
2/14/2023	0.011	0.011	0.001 (J)		0.075	0.12			
2/15/2023							0.017		0.029
2/21/2023								0.076	

# Time Series

Constituent: Barium (mg/L) Analysis Run 3/29/2023 2:00 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	<0.0013	0.012				0.075	0.035	0.026
6/24/2014			0.0094			0.032	<0.0013	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 3/29/2023 2:00 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		
8/11/2022					0.017	0.036	0.054		
8/15/2022	0.0042 (J)								
8/16/2022		0.24	0.0076 (J)	0.018				0.031	0.042
2/17/2023		0.17							
2/20/2023				0.018	0.025	0.043			
2/21/2023	0.0033 (J)		0.011				0.15		0.052
2/22/2023								0.032	

# Time Series

Constituent: Barium (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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 3/29/2023 2:00 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	
8/10/2022				0.031	0.037	0.017	0.0076 (J)		0.0011 (J)
8/16/2022		0.0049 (J)						0.0013 (J)	
8/17/2022	0.022								
8/18/2022			0.014						
2/14/2023	0.024						0.0069 (J)		
2/15/2023									<0.01
2/16/2023			0.013						
2/20/2023						0.0098 (J)			
2/21/2023		0.005 (J)		0.026	0.037				
2/22/2023								0.003 (J)	

# Time Series

Constituent: Barium (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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	<0.0025	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
8/10/2022		0.013						

# Time Series

Constituent: Barium (mg/L) Analysis Run 3/29/2023 2:00 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
8/11/2022				0.023	0.066	0.062	0.037	
8/15/2022	0.0042 (J)		0.027					
8/16/2022								0.16
2/15/2023							0.027	0.076
2/20/2023	0.0056 (J)	0.015	0.031	0.026	0.059			
2/21/2023						0.071		

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/29/2023 2:00 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		<0.0013					
10/27/2011	<0.0025	<0.0025				<0.0025			
10/28/2011			<0.0025	<0.0013				<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 3/29/2023 2:00 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						<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 3/29/2023 2:00 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		
8/9/2022	<0.0025	<0.0025	0.00045 (J)	0.0021 (J)	<0.0025	<0.0025			
8/15/2022								<0.0025	
8/16/2022							<0.0025		<0.0025
2/13/2023				0.002 (J)					
2/14/2023	<0.0025	<0.0025	0.00044 (J)		<0.0025	<0.0025			
2/15/2023							<0.0025		<0.0025
2/21/2023								<0.0025	



# Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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		
8/11/2022					<0.0025	<0.0025	<0.0025		
8/15/2022	<0.0025								
8/16/2022		0.0006 (J)	<0.0025	<0.0025				<0.0025	<0.0025
2/17/2023		0.0003 (J)							
2/20/2023				<0.0025	<0.0025	<0.0025			
2/21/2023	<0.0025		<0.0025				0.0002 (J)		<0.0025
2/22/2023								<0.0025	

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/29/2023 2:00 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		<0.0013
9/16/2011		<0.0025							
9/17/2011				<0.0025	<0.0025	0.0066		<0.003	
10/28/2011							<0.0025		
10/29/2011	<0.0025	<0.0025			<0.0025	0.0055			
10/31/2011				<0.0025				<0.003	<0.0013
12/13/2011	<0.0025	<0.0025					<0.0025		<0.0013
12/14/2011				<0.0025	<0.0025	0.0058			
1/25/2012	<0.0025					0.006			
1/31/2012		<0.0025							
2/1/2012									<0.0013
2/7/2012				<0.0025	<0.0025			<0.003	
2/8/2012							<0.0025		
7/17/2012				<0.0025	<0.0025	<0.003			<0.0013
7/18/2012	<0.0025	<0.0025					<0.0025		
1/22/2013	<0.0025	<0.0025							
1/23/2013								<0.003	<0.0013
1/24/2013					<0.0025	<0.003	<0.0025		
7/16/2013	<0.0025								
7/23/2013		<0.0025							
7/24/2013				<0.0025	<0.0025	0.0027	<0.0025		<0.0013
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					<0.003	
3/31/2016	<0.0025								
5/20/2016							<0.0025		
5/24/2016						<0.003			0.00134 (J)
5/25/2016		<0.0025	<0.0025	<0.0025	<0.0025			<0.003	
5/26/2016	<0.0025								
7/21/2016							<0.0025		

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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)	
8/10/2022				<0.0025	<0.0025	0.0056	<0.0025		0.0016 (J)
8/16/2022		<0.0025						0.00041 (J)	
8/17/2022	<0.0025								
8/18/2022			<0.0025						
2/14/2023	<0.0025						<0.0025		
2/15/2023									0.0013 (J)
2/16/2023			<0.0025						
2/20/2023						0.0016 (J)			
2/21/2023		<0.0025		<0.0025	<0.0025				
2/22/2023								0.00091 (J)	

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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	<0.0025
3/9/2022	<0.0025							<0.0025
8/10/2022		<0.0025						

# Time Series

Constituent: Beryllium (mg/L) Analysis Run 3/29/2023 2:00 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
8/11/2022				<0.0025	<0.0025	<0.0025	<0.0025	
8/15/2022	0.00044 (J)		<0.0025					
8/16/2022								0.00035 (J)
2/15/2023							<0.0025	<0.0025
2/20/2023	0.00044 (J)	<0.0025	<0.0025	<0.0025	<0.0025			
2/21/2023						<0.0025		



# Time Series

Constituent: Boron (mg/L) Analysis Run 3/29/2023 2:00 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 (mg/L) Analysis Run 3/29/2023 2:00 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		
5/3/2022									0.075 (J)
8/9/2022	<0.08	<0.08	<0.08	<0.08	<0.08	<0.08			
8/15/2022								<0.08	
8/16/2022							<0.08		0.088
2/13/2023				<0.08					
2/14/2023	<0.08	<0.08	<0.08		<0.08	<0.08			
2/15/2023							<0.08		0.077 (J)
2/21/2023								<0.08	

# Time Series

Constituent: Boron (mg/L) Analysis Run 3/29/2023 2:00 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 (mg/L) Analysis Run 3/29/2023 2:00 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		
5/3/2022		1.3							
5/4/2022			0.13						
8/11/2022					<0.08	<0.08	<0.08		
8/15/2022	<0.08								
8/16/2022		1.2	<0.08	<0.08				<0.08	<0.08
2/17/2023		0.65							
2/20/2023				<0.08	<0.08	<0.08			
2/21/2023	<0.08		0.04 (J)				<0.08		<0.08
2/22/2023								<0.08	

# Time Series

Constituent: Boron (mg/L) Analysis Run 3/29/2023 2:00 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 (mg/L) Analysis Run 3/29/2023 2:00 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	
8/10/2022				<0.08	<0.08	<0.08	<0.08		<0.08
8/16/2022		<0.08						<0.08	
8/17/2022	<0.08								
8/18/2022			<0.08						
2/14/2023	<0.08						<0.08		
2/15/2023									<0.08
2/16/2023			0.036 (J)						
2/20/2023						<0.08			
2/21/2023		<0.08		<0.08	<0.08				
2/22/2023								<0.08	

# Time Series

Constituent: Boron (mg/L) Analysis Run 3/29/2023 2:00 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 (mg/L) Analysis Run 3/29/2023 2:00 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
8/10/2022		<0.08						
8/11/2022				<0.08	<0.08	<0.08	<0.08	
8/15/2022	<0.08		<0.08					
8/16/2022								0.075 (J)
2/15/2023							<0.08	0.041 (J)
2/20/2023	0.022 (J)	<0.08	0.024 (J)	<0.08	0.022 (J)			
2/21/2023						<0.08		



# Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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 3/29/2023 2:00 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		
8/9/2022	<0.0025	<0.0025	<0.0025	8.5E-05 (J)	0.00018 (J)	<0.0025			
8/15/2022								<0.0025	
8/16/2022							<0.0025		<0.0025
2/13/2023				<0.0025					
2/14/2023	9E-05 (J)	<0.0025	8E-05 (J)		0.00015 (J)	<0.0025			
2/15/2023							<0.0025		<0.0025
2/21/2023								<0.0025	

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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)		
8/11/2022					<0.0025	<0.0025	<0.0025		
8/15/2022	0.0001 (J)								
8/16/2022		0.00045 (J)	<0.0025	<0.0025				<0.0025	9.5E-05 (J)
2/17/2023		0.00011 (J)							
2/20/2023				<0.0025	<0.0025	<0.0025			
2/21/2023	<0.0025		<0.0025				<0.0025		0.00012 (J)
2/22/2023							<0.0025		

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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 3/29/2023 2:00 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	
8/10/2022				<0.0025	<0.0025	<0.0025	<0.0025		<0.0025
8/16/2022		<0.0025						<0.0025	
8/17/2022	<0.0025								
8/18/2022			<0.0025						
2/14/2023	9E-05 (J)						<0.0025		
2/15/2023									<0.0025
2/16/2023			8E-05 (J)						
2/20/2023						<0.0025			
2/21/2023		<0.0025		<0.0025	<0.0025				
2/22/2023								8E-05 (J)	



# Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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
8/10/2022		0.00016 (J)						

# Time Series

Constituent: Cadmium (mg/L) Analysis Run 3/29/2023 2:00 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
8/11/2022				<0.0025	<0.0025	<0.0025	<0.0025	
8/15/2022	<0.0025		<0.0025					
8/16/2022								9.5E-05 (J)
2/15/2023							<0.0025	<0.0025
2/20/2023	<0.0025	0.00014 (J)	<0.0025	<0.0025	<0.0025			
2/21/2023						8.5E-05 (J)		

# Time Series

Constituent: Calcium (mg/L) Analysis Run 3/29/2023 2:00 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 (mg/L) Analysis Run 3/29/2023 2:00 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 (mg/L) Analysis Run 3/29/2023 2:00 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 (mg/L) Analysis Run 3/29/2023 2:00 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 (mg/L) Analysis Run 3/29/2023 2:00 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
8/10/2022		3.1						
8/11/2022				28	15	43	24	
8/15/2022	14		2.9					
8/16/2022								14
2/15/2023							23	8.1
2/20/2023	17	3.6	3	30	15			
2/21/2023						50		

# Time Series

Constituent: Chloride (mg/L) Analysis Run 3/29/2023 2:00 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 (mg/L) Analysis Run 3/29/2023 2:00 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		
8/9/2022	2	5.3	1.2	1.1	44	14			
8/15/2022								2.3	
8/16/2022							3.7		31
2/13/2023				1					
2/14/2023	2	3.6	1.2		18	9.9			
2/15/2023							4.8		25
2/21/2023								0.8 (J)	

# Time Series

Constituent: Chloride (mg/L) Analysis Run 3/29/2023 2:00 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 (mg/L) Analysis Run 3/29/2023 2:00 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 (mg/L) Analysis Run 3/29/2023 2:00 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 (mg/L) Analysis Run 3/29/2023 2:00 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
8/10/2022		1.2						
8/11/2022				10	8.4	26	5.3	
8/15/2022	1.9		5.1					
8/16/2022								11
2/15/2023							2	4
2/20/2023	1.8	1.1	6.8	9.4	5.7			
2/21/2023						35		

# Time Series

Constituent: Chromium (mg/L) Analysis Run 3/29/2023 2:00 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								<0.01	
7/11/2012									<0.002
7/16/2012			<0.002						
7/17/2012				<0.002					
7/18/2012	<0.002							<0.01	
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								<0.01	
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								<0.01	<0.002
3/30/2016							<0.002		
3/31/2016					<0.002				

# Time Series

Constituent: Chromium (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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		
8/9/2022	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002			
8/15/2022								0.0017 (J)	
8/16/2022							<0.002		<0.002
2/13/2023				<0.002					
2/14/2023	<0.002	<0.002	<0.002		<0.002	<0.002			
2/15/2023							<0.002		<0.002
2/21/2023								0.002	

# Time Series

Constituent: Chromium (mg/L) Analysis Run 3/29/2023 2:00 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	<0.005	<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				<0.005	<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 3/29/2023 2:00 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		
8/11/2022					<0.002	<0.002	<0.002		
8/15/2022	<0.002								
8/16/2022		<0.002	<0.002	0.0019 (J)				<0.002	<0.002
2/17/2023		<0.002							
2/20/2023				0.0027	<0.002	<0.002			
2/21/2023	<0.002		<0.002				<0.002		<0.002
2/22/2023								<0.002	



# Time Series

Constituent: Chromium (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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 3/29/2023 2:00 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	
8/10/2022				<0.002	<0.002	<0.002	<0.002		<0.002
8/16/2022		<0.002						<0.002	
8/17/2022	<0.002								
8/18/2022			<0.002						
2/14/2023	<0.002						<0.002		
2/15/2023									<0.002
2/16/2023			<0.002						
2/20/2023						<0.002			
2/21/2023		<0.002		<0.002	<0.002				
2/22/2023								0.0014 (J)	

# Time Series

Constituent: Chromium (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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
8/10/2022		<0.002						

# Time Series

Constituent: Chromium (mg/L) Analysis Run 3/29/2023 2:00 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
8/11/2022				<0.002	<0.002	<0.002	<0.002	
8/15/2022	<0.002		<0.002					
8/16/2022								0.0017 (J)
2/15/2023							<0.002	<0.002
2/20/2023	<0.002	<0.002	<0.002	0.0017 (J)	<0.002			
2/21/2023						<0.002		

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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 3/29/2023 2:00 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		
8/9/2022	0.00038 (J)	<0.0025	<0.0025	<0.0025	<0.0025	0.0075			
8/15/2022								0.0014 (J)	
8/16/2022							0.0011 (J)		<0.0025
2/13/2023				<0.0025					
2/14/2023	<0.0025	<0.0025	<0.0025		<0.0025	0.0037			
2/15/2023							0.0042		0.0018 (J)
2/21/2023								0.00073 (J)	

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/29/2023 2:00 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	<0.0013							
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	<0.0013	<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 3/29/2023 2:00 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)		
8/11/2022					<0.0025	<0.0025	<0.0025		
8/15/2022	<0.0025								
8/16/2022		0.02	<0.0025	<0.0025				<0.0025	0.0031
2/17/2023		0.29							
2/20/2023				<0.0025	<0.0025	<0.0025			
2/21/2023	<0.0025		<0.0025				0.00053 (J)		0.0029
2/22/2023								<0.0025	

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/29/2023 2:00 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			<0.01					<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	<0.01	0.0122	<0.0025			<0.0025	
5/26/2016	<0.0025								
7/21/2016							<0.0025		

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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	
8/10/2022				0.002 (J)	<0.0025	0.0015 (J)	<0.0025		<0.0025
8/16/2022		<0.0025						<0.0025	
8/17/2022	<0.0025								
8/18/2022			0.00098 (J)						
2/14/2023	<0.0025						<0.0025		
2/15/2023									<0.0025
2/16/2023			0.0019 (J)						
2/20/2023						0.0023 (J)			
2/21/2023		<0.0025		0.0047	<0.0025				
2/22/2023								<0.0025	

# Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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
8/10/2022		<0.0025						



# Time Series

Constituent: Cobalt (mg/L) Analysis Run 3/29/2023 2:00 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
8/11/2022				0.0022 (J)	0.015	0.0019 (J)	0.021	
8/15/2022	<0.0025		0.00036 (J)					
8/16/2022								0.15
2/15/2023							0.0016 (J)	0.022
2/20/2023	<0.0025	<0.0025	<0.0025	0.004	0.013			
2/21/2023						0.00079 (J)		

# Time Series

Constituent: Copper (mg/L) Analysis Run 3/29/2023 2:00 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		<0.013					
10/27/2011	<0.002	<0.002				<0.002			
10/28/2011			<0.002	<0.013				<0.002	<0.002
12/4/2011								<0.002	<0.002
12/12/2011			<0.002	<0.013					
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 3/29/2023 2:00 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		
8/9/2022	<0.002	<0.002	<0.002	0.0055	0.0033	<0.002			
8/15/2022								<0.002	
8/16/2022							<0.002		<0.002
2/13/2023				0.0048					
2/14/2023	<0.002	<0.002	<0.002		0.0017 (J)	<0.002			
2/15/2023							<0.002		<0.002

# Time Series

Constituent: Copper (mg/L) Analysis Run 3/29/2023 2:00 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
2/21/2023								<0.002	

# Time Series

Constituent: Copper (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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		
8/11/2022					<0.002	<0.002	<0.002		
8/15/2022	<0.002								
8/16/2022		<0.002	<0.002	<0.002				<0.002	<0.002
2/17/2023		<0.002							
2/20/2023				<0.002	<0.002	<0.002			
2/21/2023	<0.002		<0.002				<0.002		<0.002
2/22/2023								<0.002	

# Time Series

Constituent: Copper (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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							0.0029	
3/16/2021									
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	
8/10/2022				<0.002	<0.002	<0.002	<0.002		<0.002
8/16/2022		<0.002						0.0053	
8/17/2022	<0.002								
8/18/2022			<0.002						
2/14/2023	<0.002						<0.002		
2/15/2023									<0.002
2/16/2023			<0.002						
2/20/2023						<0.002			
2/21/2023		<0.002		<0.002	<0.002				
2/22/2023								<0.002	



# Time Series

Constituent: Copper (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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
8/10/2022		<0.002						
8/11/2022				<0.002	<0.002	<0.002	<0.002	
8/15/2022	<0.002		<0.002					
8/16/2022								<0.002
2/15/2023							0.0014 (J)	<0.002
2/20/2023	<0.002	<0.002	<0.002	<0.002	<0.002			
2/21/2023						<0.002		

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 3/29/2023 2:00 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		<0.2			
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						<0.2			
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							
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		<0.2			
1/19/2017	<0.1	<0.1							
1/31/2017								<0.2	0.19 (J)
2/1/2017							1.3		
3/16/2017	<0.1		1.7			<0.2			
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		<0.2			
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	<0.2			
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						<0.2			
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		<0.2			
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 (mg/L) Analysis Run 3/29/2023 2:00 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		
8/9/2022	<0.1	<0.1	1.5	1.9	<0.1	0.066 (J)			
8/15/2022								0.061 (J)	
8/16/2022							1.4		0.13
2/13/2023				1.7					
2/14/2023	<0.1	<0.1	2		0.052 (J)	0.076 (J)			
2/15/2023							0.78		0.13
2/21/2023								0.061 (J)	

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 3/29/2023 2:00 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			<0.2					<0.1	<0.1
11/17/2016	0.092 (J)	<0.1	<0.2	<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	<0.2						
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	<0.2	<0.1	<0.1	<0.1	<0.1		
5/4/2017								<0.1	<0.1
10/4/2017		<0.1	<0.2		<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	<0.2	<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 (mg/L) Analysis Run 3/29/2023 2:00 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)		
8/11/2022					0.041 (J)	<0.1	<0.1		
8/15/2022	0.083 (J)								
8/16/2022		0.041 (J)	0.08 (J)	0.041 (J)				0.041 (J)	<0.1
2/17/2023		0.081 (J)							
2/20/2023				0.046 (J)	0.046 (J)	<0.1			
2/21/2023	0.086 (J)		0.077 (J)				<0.1		<0.1
2/22/2023								<0.1	

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 3/29/2023 2:00 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	<0.2				<0.1	1.2			
7/27/2016		<0.1	<0.1	<0.2					
9/16/2016			<0.1						3.5
9/19/2016				<0.2	<0.1	0.64			
9/20/2016	<0.2	<0.1					0.092 (J)		
11/11/2016						1.2			
11/14/2016					<0.1		<0.2		
11/15/2016				<0.2					3.2
11/17/2016	<0.2								
11/18/2016		<0.1	<0.1						
1/19/2017					<0.1				
1/20/2017						0.83			
1/24/2017				<0.2			0.094 (J)		
1/25/2017								1.4	
1/26/2017									3.9
2/3/2017	<0.2	<0.1	<0.1						
3/16/2017					<0.1	0.32			
3/17/2017							0.084 (J)		
3/23/2017				<0.2					
3/24/2017									3.2
3/28/2017	<0.2	<0.1							
3/29/2017			<0.1						
4/28/2017						0.83			
5/1/2017					<0.1		0.092 (J)		
5/2/2017				<0.2					3.5
5/3/2017	<0.2								
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	<0.2	<0.1	<0.1	<0.2					
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							<0.2		
1/25/2018	<0.2	<0.1	<0.1	<0.2					
6/20/2018	<0.2	<0.1							
6/21/2018							<0.2		
6/26/2018									2.6

# Time Series

Constituent: Fluoride (mg/L) Analysis Run 3/29/2023 2:00 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	<0.2	<0.1	0.73		1.6	
9/26/2018				<0.2					
9/27/2018					<0.1	0.91			
9/28/2018			<0.1						
10/1/2018	<0.2	<0.1							
10/2/2018									2.4
10/3/2018							0.13 (J)	1.7	
1/24/2019	<0.2			<0.2	<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	<0.2						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	
8/10/2022				0.04 (J)	<0.1	0.67	0.075 (J)		2.1
8/16/2022		<0.1						1.5	
8/17/2022	0.049 (J)								
8/18/2022			0.041 (J)						
2/14/2023	0.057 (J)						0.091 (J)		
2/15/2023									2.3
2/16/2023			<0.1						
2/20/2023						0.16			
2/21/2023		<0.1		0.041 (J)	<0.1				
2/22/2023								1.3	



# Time Series

Constituent: Fluoride (mg/L) Analysis Run 3/29/2023 2:00 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							<0.2	<0.2
11/15/2016		0.14 (J)	<0.1	<0.2				
11/16/2016					<0.2	0.22	<0.2	<0.2
11/17/2016	4.1							
1/25/2017	5.6	0.16 (J)						
1/26/2017			<0.1	<0.2	<0.2	0.23	<0.2	
1/31/2017								<0.2
3/22/2017		0.14 (J)	<0.1	<0.2	<0.2	0.2		
3/23/2017	3.1						<0.2	0.12 (J)
5/1/2017	4.2	0.16 (J)						
5/2/2017			<0.1	0.1 (J)	<0.2	0.21		<0.2
5/3/2017							<0.2	
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)	<0.2	0.23		<0.2
10/5/2017	3.9						0.085 (J)	
1/23/2018	3.4	0.13 (J)	<0.1	0.085 (J)	<0.2	0.17 (J)		
1/24/2018							<0.2	<0.2
6/19/2018			<0.1					
6/20/2018		0.18 (J)						
6/21/2018							<0.2	<0.2
6/25/2018				0.097 (J)	<0.2	0.25		
6/26/2018	2.1							
9/25/2018					<0.2			
9/26/2018							<0.2	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 (mg/L) Analysis Run 3/29/2023 2:00 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)
8/10/2022		0.14						
8/11/2022				0.076 (J)	0.078 (J)	0.22	0.069 (J)	
8/15/2022	2.3		0.044 (J)					
8/16/2022								0.076 (J)
2/15/2023							0.063 (J)	0.062 (J)
2/20/2023	2.4	0.13	<0.1	0.092 (J)	0.079 (J)			
2/21/2023						0.23		

# Time Series

Constituent: Lead (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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 3/29/2023 2:00 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		
8/9/2022	<0.001	0.0002 (J)	<0.001	<0.001	<0.001	<0.001			
8/15/2022								<0.001	
8/16/2022							<0.001		<0.001
2/13/2023				<0.001					
2/14/2023	<0.001	<0.001	<0.001		<0.001	<0.001			
2/15/2023							<0.001		<0.001
2/21/2023								0.00039 (J)	

# Time Series

Constituent: Lead (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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		
8/11/2022					<0.001	<0.001	0.00019 (J)		
8/15/2022	<0.001								
8/16/2022		<0.001	<0.001	<0.001				<0.001	<0.001
2/17/2023		<0.001							
2/20/2023				0.00025 (J)	0.00027 (J)	0.00025 (J)			
2/21/2023	0.00037 (J)		0.00025 (J)				<0.001		<0.001
2/22/2023								<0.001	

# Time Series

Constituent: Lead (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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 3/29/2023 2:00 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	
8/10/2022				<0.001	<0.001	<0.001	<0.001		<0.001
8/16/2022		<0.001						<0.001	
8/17/2022	<0.001								
8/18/2022			<0.001						
2/14/2023	<0.001						<0.001		
2/15/2023									<0.001
2/16/2023			<0.001						
2/20/2023						0.00029 (J)			
2/21/2023		0.00022 (J)		0.00027 (J)	<0.001				
2/22/2023								0.00025 (J)	

# Time Series

Constituent: Lead (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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
8/10/2022		<0.001						

# Time Series

Constituent: Lead (mg/L) Analysis Run 3/29/2023 2:00 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
8/11/2022				<0.001	<0.001	<0.001	<0.001	
8/15/2022	<0.001		<0.001					
8/16/2022								<0.001
2/15/2023							<0.001	<0.001
2/20/2023	0.00027 (J)	0.00026 (J)	<0.001	<0.001	<0.001			
2/21/2023						0.00036 (J)		

# Time Series

Constituent: Mercury (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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 3/29/2023 2:00 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		
8/9/2022	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			
8/15/2022								<0.0002	
8/16/2022							<0.0002		<0.0002
2/13/2023				<0.0002					
2/14/2023	<0.0002	<0.0002	<0.0002		<0.0002	<0.0002			
2/15/2023							<0.0002		<0.0002
2/21/2023								<0.0002	



# Time Series

Constituent: Mercury (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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		
5/3/2022		<0.0002 (R)							
8/11/2022					<0.0002	<0.0002	<0.0002		
8/15/2022	<0.0002								
8/16/2022		<0.0002	<0.0002	<0.0002				<0.0002	<0.0002
2/17/2023		<0.0002							
2/20/2023				<0.0002	<0.0002	<0.0002			
2/21/2023	<0.0002		<0.0002				<0.0002		<0.0002
2/22/2023							<0.0002		

# Time Series

Constituent: Mercury (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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 3/29/2023 2:00 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	
8/10/2022				<0.0002	<0.0002	<0.0002	<0.0002		<0.0002
8/16/2022		<0.0002						<0.0002	
8/17/2022	<0.0002								
8/18/2022			<0.0002						
2/14/2023	<0.0002						<0.0002		
2/15/2023									<0.0002
2/16/2023			<0.0002						
2/20/2023						<0.0002			
2/21/2023		<0.0002		<0.0002	<0.0002				
2/22/2023								<0.0002	

# Time Series

Constituent: Mercury (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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: Mercury (mg/L) Analysis Run 3/29/2023 2:00 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
8/10/2022		<0.0002						
8/11/2022				<0.0002	<0.0002	<0.0002	<0.0002	
8/15/2022	<0.0002		<0.0002					
8/16/2022								<0.0002
2/15/2023							<0.0002	<0.0002
2/20/2023	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002			
2/21/2023						<0.0002		



# Time Series

Constituent: Nickel (mg/L) Analysis Run 3/29/2023 2:00 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								<0.001	<0.001
9/16/2011	<0.0025		<0.001						
9/17/2011		<0.0025		0.0053					
10/27/2011	<0.0025	<0.0025				<0.0025			
10/28/2011			<0.001	0.0042				<0.001	<0.001
12/4/2011								<0.001	<0.001
12/12/2011			<0.001	<0.0025					
12/13/2011	<0.0025								
12/14/2011		<0.0025				<0.0025			
1/24/2012									<0.001
1/25/2012			<0.001						
1/31/2012	<0.0025			0.0043					
2/1/2012						<0.0025			
2/7/2012		0.0028							
2/9/2012								<0.001	
7/11/2012									<0.001
7/16/2012			<0.001						
7/17/2012				<0.0025					
7/18/2012	<0.0025							<0.001	
7/23/2012		<0.0025				<0.0025			
1/8/2013								<0.001	<0.001
1/23/2013		<0.0025				<0.0025			
1/24/2013	<0.0025		<0.001	0.0052					
7/9/2013								<0.001	
7/10/2013									<0.001
7/17/2013	<0.0025					<0.0025			
7/23/2013			<0.001						
7/24/2013		<0.0025		0.0052					
1/15/2014						<0.0025		<0.001	
1/21/2014	<0.0025								<0.001
1/22/2014		0.0013 (J)	0.00092 (J)	0.0031					
6/25/2014	<0.0025				0.0044	<0.0025		<0.001	
7/1/2014		0.0014 (J)	<0.001						<0.001
7/8/2014				0.0036 (D)					
1/14/2015	<0.0025					0.0073 (O)			
1/21/2015			<0.001	0.0026				<0.001	<0.001
1/22/2015		0.0017 (J)							
7/21/2015	<0.0025		<0.001		0.0056	<0.0025			
7/22/2015		0.0013 (J)		0.0028					
7/28/2015								<0.001	<0.001
1/19/2016				0.0021 (JD)					
1/20/2016		<0.0025				0.002 (J)			
1/21/2016	<0.0025								
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	<0.0025	<0.0025							
1/31/2017								<0.001	<0.001
2/1/2017							0.0043		
8/1/2017			<0.001	0.0018 (J)	<0.0025				

# Time Series

Constituent: Nickel (mg/L) Analysis Run 3/29/2023 2:00 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		<0.0025				<0.0025			
8/3/2017	<0.0025								
8/7/2017								<0.001	<0.001
8/8/2017							0.0022 (J)		
1/19/2018	<0.0025	<0.0025	<0.001	<0.0025					
1/22/2018						<0.0025			
1/24/2018								<0.001	<0.001
1/25/2018							0.0046		
6/19/2018	<0.0025	<0.0025	<0.001	0.0024 (J)		0.0022 (J)			
6/20/2018					<0.0025			<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		
8/9/2022	0.0011	0.00072 (J)	<0.001	0.0014	0.004	0.00087 (J)			
8/15/2022								<0.001	
8/16/2022							0.00086 (J)		<0.001
2/13/2023				0.00079 (J)					
2/14/2023	0.00071 (J)	0.00046 (J)	<0.001		0.00099 (J)	0.00071 (J)			
2/15/2023							0.0012		0.00099 (J)

# Time Series

Constituent: Nickel (mg/L) Analysis Run 3/29/2023 2:00 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
2/21/2023								<0.001	

# Time Series

Constituent: Nickel (mg/L) Analysis Run 3/29/2023 2:00 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	<0.0025	<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 3/29/2023 2:00 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		
8/11/2022					<0.001	<0.001	<0.001		
8/15/2022	0.0006 (J)								
8/16/2022		0.013	<0.001	<0.001				<0.001	0.00082 (J)
2/17/2023		0.019							
2/20/2023				0.00062 (J)	0.00057 (J)	0.0005 (J)			
2/21/2023	0.00051 (J)		<0.001				0.0014		<0.001
2/22/2023								<0.001	

# Time Series

Constituent: Nickel (mg/L) Analysis Run 3/29/2023 2:00 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				<0.0025	<0.0025	<0.001		0.0041	
10/28/2011							<0.001		
10/29/2011	<0.001	<0.001			<0.0025	<0.001			
10/31/2011				<0.0025				0.003	<0.001
12/13/2011	<0.001	<0.001					<0.001		<0.001
12/14/2011				<0.0025	<0.0025	<0.001			
1/25/2012	<0.001					<0.001			
1/31/2012		<0.001							
2/1/2012									<0.001
2/7/2012				<0.0025	<0.0025			0.0029	
2/8/2012							<0.001		
7/17/2012				0.014	<0.0025	<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					<0.0025	<0.001	<0.001		
7/16/2013	<0.001								
7/23/2013		<0.001							
7/24/2013				0.019	<0.0025	<0.001	<0.001		<0.001
1/21/2014	<0.001								
1/22/2014		<0.001							
1/23/2014				0.0036	<0.0025	<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	<0.0025	<0.001			
1/14/2015	<0.001								
1/20/2015							<0.001		<0.001
1/21/2015				0.0033	<0.0025	<0.001		<0.0025	
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)		<0.0025				
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					<0.0025			<0.0025	<0.001
1/26/2016	<0.001								
1/19/2017					<0.0025				
1/20/2017						<0.001			
1/24/2017				0.012			<0.001		
1/25/2017								<0.0025	
1/26/2017									<0.001
2/3/2017	<0.001	<0.001	0.0025						
8/3/2017				<0.0025	<0.0025	<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					<0.0025				

# Time Series

Constituent: Nickel (mg/L) Analysis Run 3/29/2023 2:00 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			<0.0025	0.0072	<0.0025	<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)	
8/10/2022				0.0026	0.00073 (J)	<0.001	<0.001		<0.001
8/16/2022		<0.001						0.0016	
8/17/2022	<0.001								
8/18/2022			0.002						
2/14/2023	<0.001						<0.001		
2/15/2023									<0.001
2/16/2023			0.0014						
2/20/2023						<0.001			
2/21/2023		0.00062 (J)		0.0039	0.00078 (J)				
2/22/2023								0.00047 (J)	

# Time Series

Constituent: Nickel (mg/L) Analysis Run 3/29/2023 2:00 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	0.0072			
9/7/2011						<0.0025	<0.0025	0.029 (O)
9/16/2011	<0.001	<0.0025	0.0037					
10/27/2011				<0.0025				
10/30/2011	<0.001				0.0055	<0.0025	<0.0025	<0.0025
10/31/2011		<0.0025	0.0047					
12/4/2011								0.0072
12/5/2011				<0.0025	0.0026	<0.0025	<0.0025	
12/12/2011		<0.0025	0.0048					
12/13/2011	<0.001							
1/19/2012							<0.0025	0.0053
1/25/2012				<0.0025	<0.0025	<0.0025		
2/1/2012	<0.001	<0.0025	0.0027					
7/16/2012		<0.0025	0.0035					
7/17/2012	<0.001							
7/18/2012				0.0043		0.013	<0.0025	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		<0.0025	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	<0.0025		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		<0.0025	0.0026	0.0079	0.0037			
1/13/2015				0.0072				
1/14/2015		<0.0025	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	<0.0025	0.011
7/28/2015			0.0016 (J)					
7/29/2015	<0.001	<0.0025						
1/20/2016				0.007	0.0044			
1/21/2016		<0.0025	0.0017 (J)					
1/25/2016	<0.001							
1/26/2016						0.012	0.002 (J)	0.0096
1/25/2017	<0.001	<0.0025						
1/26/2017			<0.0025	0.0066	0.005	0.011	0.0034	
1/31/2017								0.055 (O)
8/3/2017		0.012 (O)	<0.0025	0.0088	0.0051			
8/4/2017	<0.001					0.011		
8/7/2017							0.011 (o)	0.0093
1/23/2018	<0.001	<0.0025	<0.0025	0.0074	0.0054	0.0071		
1/24/2018							0.0023 (J)	0.01
6/19/2018			<0.0025					
6/20/2018		<0.0025						



# Time Series

Constituent: Nickel (mg/L) Analysis Run 3/29/2023 2:00 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
8/10/2022		0.00063 (J)						
8/11/2022				0.0046	0.0075	0.0084	0.0038	
8/15/2022	<0.001		0.0014					
8/16/2022								0.077
2/15/2023							0.001	0.0088
2/20/2023	<0.001	0.00077 (J)	0.0012	0.0038	0.0057			
2/21/2023						0.0079		

# Time Series

Constituent: pH, Field (S.U.) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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 3/29/2023 2:00 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 3/29/2023 2:00 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 3/29/2023 2:00 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
8/10/2022		5.78						
8/11/2022				6.31	5.97	6.44	5.9	
8/15/2022	6.16		5.55					
8/16/2022								5.53
10/12/2022								5.51 (R)
2/15/2023							6.03	5.56
2/20/2023	6.21	5.96	5.51	6.28	5.94			
2/21/2023						6.5		

# Time Series

Constituent: Selenium (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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						<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 3/29/2023 2:00 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		
8/9/2022	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005			
8/15/2022								<0.005	
8/16/2022							<0.005		<0.005
2/13/2023				<0.005					
2/14/2023	<0.005	<0.005	<0.005		<0.005	<0.005			
2/15/2023							<0.005		<0.005
2/21/2023								<0.005	

# Time Series

Constituent: Selenium (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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		
8/11/2022					<0.005	<0.005	<0.005		
8/15/2022	<0.005								
8/16/2022		0.0022 (J)	<0.005	<0.005				<0.005	<0.005
2/17/2023		<0.005							
2/20/2023				<0.005	<0.005	<0.005			
2/21/2023	<0.005		<0.005				<0.005		<0.005
2/22/2023								<0.005	

# Time Series

Constituent: Selenium (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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 3/29/2023 2:00 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	
8/10/2022				<0.005	<0.005	<0.005	<0.005		<0.005
8/16/2022		<0.005						<0.005	
8/17/2022	<0.005								
8/18/2022			<0.005						
2/14/2023	<0.005						<0.005		
2/15/2023									<0.005
2/16/2023			<0.005						
2/20/2023						<0.005			
2/21/2023		<0.005		<0.005	<0.005				
2/22/2023								<0.005	

# Time Series

Constituent: Selenium (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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
8/10/2022		<0.005						

# Time Series

Constituent: Selenium (mg/L) Analysis Run 3/29/2023 2:00 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
8/11/2022				<0.005	<0.005	<0.005	<0.005	
8/15/2022	<0.005		<0.005					
8/16/2022								<0.005
2/15/2023							<0.005	<0.005
2/20/2023	<0.005	<0.005	<0.005	<0.005	<0.005			
2/21/2023						<0.005		

# Time Series

Constituent: Silver (mg/L) Analysis Run 3/29/2023 2:00 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		<0.0025					
10/27/2011	<0.001	<0.001				<0.001			
10/28/2011			<0.001	<0.0025				<0.001	<0.001
12/4/2011								<0.001	<0.001
12/12/2011			<0.001	<0.0025					
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			<0.0025					
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				<0.0025					
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	<0.0025					
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 3/29/2023 2:00 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		
8/9/2022	<0.001	<0.001	<0.001	0.001	<0.001	<0.001			
8/15/2022								<0.001	
8/16/2022							<0.001		<0.001
2/13/2023				0.0011					
2/14/2023	<0.001	<0.001	<0.001		<0.001	<0.001			
2/15/2023							<0.001		<0.001

# Time Series

Constituent: Silver (mg/L) Analysis Run 3/29/2023 2:00 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
2/21/2023								<0.001	

# Time Series

Constituent: Silver (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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		
8/11/2022					<0.001	<0.001	<0.001		
8/15/2022	<0.001								
8/16/2022		<0.001	<0.001	<0.001				<0.001	<0.001
2/17/2023		<0.001							
2/20/2023				<0.001	<0.001	<0.001			
2/21/2023	<0.001		<0.001				<0.001		<0.001
2/22/2023								<0.001	

# Time Series

Constituent: Silver (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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	
8/10/2022				<0.001	<0.001	<0.001	<0.001		<0.001
8/16/2022		<0.001						<0.001	
8/17/2022	<0.001								
8/18/2022			<0.001						
2/14/2023	<0.001						<0.001		
2/15/2023									<0.001
2/16/2023			<0.001						
2/20/2023						<0.001			
2/21/2023		<0.001		<0.001	<0.001				
2/22/2023								<0.001	

# Time Series

Constituent: Silver (mg/L) Analysis Run 3/29/2023 2:00 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		<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 3/29/2023 2:00 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
8/10/2022		<0.001						
8/11/2022				<0.001	<0.001	<0.001	<0.001	
8/15/2022	<0.001		<0.001					
8/16/2022								<0.001
2/15/2023							<0.001	<0.001
2/20/2023	<0.001	<0.001	<0.001	<0.001	<0.001			
2/21/2023						<0.001		

# Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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		
8/9/2022	<1	0.54 (J)	0.7 (J)	7.8	48	10			
8/15/2022								<1	
8/16/2022							8.5		36
2/13/2023				4.3					
2/14/2023	<1	2.5	1.2		70	9.3			
2/15/2023							8.5		32
2/21/2023								0.43 (J)	

# Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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)		
8/11/2022					<1	<1	<1		
8/15/2022	1.8								
8/16/2022		18	1.1	<1				0.58 (J)	<1
2/17/2023		5.7							
2/20/2023				<1	0.5 (J)	0.41 (J)			
2/21/2023	1.8		1.1				0.52 (J)		<1
2/22/2023								0.65 (J)	

# Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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	
8/10/2022				5.2	<1	1.7	0.79 (J)		8.7
8/16/2022		<1						11	
8/17/2022	<1								
8/18/2022			<1						
2/14/2023	0.54 (J)						1		
2/15/2023									8.3
2/16/2023			0.4 (J)						
2/20/2023						0.47 (J)			
2/21/2023		<1		7.4	<1				
2/22/2023								9.8	

# Time Series

Constituent: Sulfate as SO4 (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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
8/10/2022		0.89 (J)						
8/11/2022				26	14	38	19	
8/15/2022	7.7		2.4					
8/16/2022								27
2/15/2023							14	9.4
2/20/2023	7.5	1	2.2	25	9.8			
2/21/2023						40		

# Time Series

Constituent: Thallium (mg/L) Analysis Run 3/29/2023 2:00 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								
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 3/29/2023 2:00 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 3/29/2023 2:00 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		
8/9/2022	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001			
8/15/2022								<0.001	
8/16/2022							<0.001		<0.001
2/13/2023				<0.001					
2/14/2023	<0.001	<0.001	<0.001		<0.001	<0.001			
2/15/2023							<0.001		<0.001
2/21/2023								<0.001	



# Time Series

Constituent: Thallium (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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		
8/11/2022					<0.001	<0.001	<0.001		
8/15/2022	<0.001								
8/16/2022		0.00039 (J)	<0.001	<0.001				<0.001	<0.001
2/17/2023		0.00044 (J)							
2/20/2023				<0.001	<0.001	<0.001			
2/21/2023	<0.001		<0.001				<0.001		<0.001
2/22/2023								<0.001	

# Time Series

Constituent: Thallium (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:00 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 3/29/2023 2:00 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	
8/10/2022				<0.001	<0.001	<0.001	<0.001		<0.001
8/16/2022		<0.001						<0.001	
8/17/2022	<0.001								
8/18/2022			<0.001						
2/14/2023	<0.001						<0.001		
2/15/2023									<0.001
2/16/2023			<0.001						
2/20/2023						<0.001			
2/21/2023		<0.001		<0.001	<0.001				
2/22/2023								<0.001	

# Time Series

Constituent: Thallium (mg/L) Analysis Run 3/29/2023 2:00 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 3/29/2023 2:01 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)							
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
8/10/2022		<0.001						
8/11/2022				<0.001	<0.001	<0.001	<0.001	
8/15/2022	<0.001		<0.001					
8/16/2022								0.00026 (J)
2/15/2023							<0.001	<0.001

# Time Series

Constituent: Thallium (mg/L) Analysis Run 3/29/2023 2:01 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	GWC-33	GWC-34	GWC-35	GWC-5	GWC-6	GWC-7	GWC-8	GWC-9
2/20/2023	<0.001	<0.001	<0.001	<0.001	<0.001			
2/21/2023						<0.001		



# Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 3/29/2023 2:01 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		<5							
3/23/2017								140	220
3/24/2017							180		
4/27/2017			84	92		160			
4/28/2017	<10	<5							
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	<5	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 3/29/2023 2:01 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		
8/9/2022	21	52	85	93	180	190			
8/15/2022								170	
8/16/2022							150		250
2/13/2023				88					
2/14/2023	17	43	90		160	150			
2/15/2023							130		220
2/21/2023								40	

# Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 3/29/2023 2:01 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 3/29/2023 2:01 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					<5	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	<5	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 3/29/2023 2:01 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	
8/10/2022				77	39	46	54		90
8/16/2022		42						74	
8/17/2022	110								
8/18/2022			25						
2/14/2023	110						53		
2/15/2023									79
2/16/2023			19						
2/20/2023						34			
2/21/2023		44		74	42				
2/22/2023								90	

# Time Series

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 3/29/2023 2:01 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	<5						
1/26/2017			<5	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		<5						
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 3/29/2023 2:01 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
8/10/2022		53						
8/11/2022				190	120	370	190	
8/15/2022	92		52					
8/16/2022								140
2/15/2023							130	64
2/20/2023	87	48	53	200	130			
2/21/2023						370		



# Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/29/2023 2:01 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	<0.001			
9/13/2011								0.0064	<0.002
9/16/2011	<0.001		<0.002						
9/17/2011		<0.002		<0.002					
10/27/2011	<0.001	<0.002				<0.001			
10/28/2011			<0.002	<0.002				<0.0025	<0.002
12/4/2011								<0.0025	<0.002
12/12/2011			<0.002	<0.002					
12/13/2011	<0.001								
12/14/2011		<0.002				<0.001			
1/24/2012									<0.002
1/25/2012			<0.002						
1/31/2012	<0.001			<0.002					
2/1/2012							<0.001		
2/7/2012		<0.002							
2/9/2012								<0.0025	
7/11/2012									<0.002
7/16/2012			<0.002						
7/17/2012				<0.002					
7/18/2012	<0.001							0.0062	
7/23/2012		<0.002				<0.001			
1/8/2013								<0.0025	<0.002
1/23/2013		<0.002				<0.001			
1/24/2013	<0.001		<0.002	<0.002					
7/9/2013								0.0053	
7/10/2013									<0.002
7/17/2013	<0.001					<0.001			
7/23/2013			<0.002						
7/24/2013		<0.002		<0.002					
1/15/2014						0.0016 (J)		0.0064	
1/21/2014	<0.001								<0.002
1/22/2014		<0.002	0.00072 (J)	<0.002					
6/25/2014	<0.001				<0.002	0.00084 (J)		0.0064	
7/1/2014		0.0012 (J)	<0.002						<0.002
7/8/2014				<0.002 (D)					
1/14/2015	<0.001					0.0014 (J)			
1/21/2015			<0.002	<0.002				0.0059	<0.002
1/22/2015		0.0013 (J)							
7/21/2015	<0.001		<0.002		<0.002	<0.001			
7/22/2015		<0.002		<0.002					
7/28/2015								0.0054	<0.002
1/19/2016				<0.002 (D)					
1/20/2016		<0.002				<0.001			
1/21/2016	<0.001								
1/22/2016			<0.002						
1/25/2016							<0.002		
1/26/2016								0.0019 (J)	<0.002
1/17/2017			<0.002	<0.002		<0.001			
1/19/2017	<0.001	<0.002							
1/31/2017								0.0029	<0.002
2/1/2017							0.0032		
8/1/2017			<0.002	<0.002 (*)	<0.002				

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/29/2023 2:01 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				<0.001			
8/3/2017	<0.001								
8/7/2017								0.0024 (J)	<0.002
8/8/2017							<0.002		
1/19/2018	<0.001	<0.002	<0.002	<0.002					
1/22/2018						0.002 (J)			
1/24/2018								<0.0025	<0.002
1/25/2018							0.003		
6/19/2018	<0.001	0.0024 (J)	<0.002	0.0014 (J)		0.0019 (J)			
6/20/2018					<0.002			0.003	
6/21/2018							0.0018 (J)		
6/26/2018									<0.002
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									<0.002
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	<0.002		<0.001			
9/11/2019					0.0014				0.0011
9/16/2019								0.0035	
9/17/2019							<0.002		
3/10/2020	<0.001	<0.002	<0.002	<0.002	<0.002	<0.001			
3/16/2020								0.0027	
3/17/2020							<0.002		
3/18/2020									<0.002
9/9/2020	<0.001		<0.002	<0.002	0.0018	<0.001			
9/10/2020		<0.002					<0.002	0.0028	<0.002
3/15/2021	<0.001	<0.002	<0.002	0.0017	<0.002	<0.001			
3/16/2021									<0.002
3/17/2021								0.0029	
3/18/2021							<0.002		
8/16/2021	<0.001		0.0011						
8/18/2021		0.0011		0.0012	0.0015	0.0011			
8/19/2021									<0.002
8/20/2021							<0.002		
8/23/2021								0.0025	
2/28/2022	<0.001								
3/1/2022		<0.002	<0.002		0.0012	<0.001			
3/2/2022				<0.002					
3/7/2022								0.0025	<0.002
3/8/2022							<0.002		
8/9/2022	<0.001	<0.002	<0.002	<0.002	<0.002	<0.001			
8/15/2022								0.0023	
8/16/2022							0.0012		<0.002
2/13/2023				<0.002					
2/14/2023	0.00074 (J)	<0.002	<0.002		<0.002	0.00074 (J)			
2/15/2023							<0.002		<0.002



# Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/29/2023 2:01 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	<0.0025	<0.0025	<0.002		
8/31/2011								0.0035	<0.002
9/13/2011	<0.002	<0.002							
9/16/2011			<0.002						
10/26/2011				<0.005		<0.0025	<0.002		
10/27/2011		<0.002	<0.002		<0.0025			<0.005	<0.002
10/28/2011	<0.002								
12/3/2011		<0.002	<0.002	<0.005	<0.0025	<0.0025	<0.002		
12/4/2011	<0.002							<0.005	<0.002
1/24/2012	<0.002	<0.002							
1/25/2012				<0.005	<0.0025				
2/8/2012			<0.002			<0.0025	<0.002	<0.005	<0.002
7/11/2012	<0.002	<0.002	<0.002	<0.005	<0.0025	<0.0025	<0.002	<0.005	
7/17/2012									<0.002
1/8/2013	<0.002	<0.002	<0.002	<0.005	<0.0025	<0.0025	<0.002	<0.005	
1/9/2013									<0.002
7/2/2013			<0.002	<0.005					
7/10/2013	<0.002	<0.002							
7/16/2013					<0.0025	<0.0025	<0.002	<0.005	<0.002
1/14/2014				0.0036 (J)	0.0019 (J)	0.0022 (J)			
1/21/2014	<0.002	<0.002	<0.002				<0.002	<0.005	<0.002
6/24/2014			<0.002			<0.0025	<0.002	0.00089 (J)	<0.002
6/25/2014				0.0033 (J)	0.001 (J)				
7/1/2014	<0.002	<0.002							
1/13/2015				0.0037 (J)		0.00084 (J)	<0.002	0.0013 (J)	<0.002
1/14/2015		<0.002	<0.002		0.0014 (J)				
1/21/2015	<0.002								
7/22/2015		<0.002	<0.002	0.0031 (J)					
7/23/2015						<0.0025	0.0016 (J)	0.0027 (J)	<0.002
7/28/2015	<0.002				0.0027 (J)				
1/26/2016									<0.002
1/27/2016	<0.002	<0.002	<0.002	0.0035 (J)	0.0018 (J)	0.00096 (J)	<0.002	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	<0.002		<0.002						
8/7/2017		<0.002		0.005	<0.0025	<0.0025	0.0016 (J)	0.0041	0.0014 (J)
1/25/2018	<0.002	<0.002	0.003	0.0058	0.0042	<0.0025	0.0021 (J)		
1/26/2018								0.0044	<0.002
6/20/2018	<0.002	0.0016 (J)	<0.002	0.0039					<0.002
6/21/2018						<0.0025	<0.002	0.0017 (J)	
6/26/2018					0.0023 (J)				
1/22/2019	0.0015	<0.002	0.0012						
1/24/2019					0.0027				<0.002
1/25/2019				0.0052					
1/28/2019						0.0015	<0.002	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	<0.002
9/12/2019	0.0015	0.0012					0.0015		
9/17/2019			0.0013						

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/29/2023 2:01 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	<0.002								
3/16/2020			<0.002						
3/17/2020		<0.002		0.0044	0.0024	0.0015			
3/18/2020							0.0011	0.0016	<0.002
9/10/2020	<0.002	<0.002	<0.002						
9/11/2020				0.0039					
9/14/2020					0.0017	0.0018			
9/15/2020							0.0012	0.0021	<0.002
3/16/2021					0.0023	0.0017		0.0019	<0.002
3/17/2021	<0.002	<0.002		0.004			0.001		
3/18/2021			<0.002						
8/19/2021									<0.002
8/20/2021				0.0047	0.0032				
8/23/2021	<0.002	<0.002							
8/24/2021			0.0012			0.0019	0.0016	0.0018	
3/7/2022		<0.002	<0.002					0.0017	<0.002
3/8/2022	<0.002			0.0039	0.0019	0.0014	0.0011		
8/11/2022					0.002	0.0011	<0.002		
8/15/2022	<0.002								
8/16/2022		<0.002	<0.002	0.0043				0.0026	<0.002
2/17/2023		<0.002							
2/20/2023				0.004	0.0021	0.0011 (J)			
2/21/2023	<0.002		<0.002				<0.002		<0.002
2/22/2023								0.0014 (J)	

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/29/2023 2:01 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		<0.002
9/16/2011		<0.002							
9/17/2011				0.0074	<0.002	<0.002		<0.002	
10/28/2011							<0.001		
10/29/2011	<0.01	<0.002			<0.002	<0.002			
10/31/2011				<0.002				<0.002	<0.002
12/13/2011	<0.01	<0.002					<0.001		<0.002
12/14/2011				<0.002	<0.002	<0.002			
1/25/2012	<0.01					<0.002			
1/31/2012		<0.002							
2/1/2012									<0.002
2/7/2012				<0.002	<0.002			<0.002	
2/8/2012							<0.001		
7/17/2012				<0.002	<0.002	<0.002			<0.002
7/18/2012	0.0074	<0.002					<0.001		
1/22/2013	0.0071	<0.002							
1/23/2013								<0.002	<0.002
1/24/2013					<0.002	<0.002	<0.001		
7/16/2013	0.0075								
7/23/2013		<0.002							
7/24/2013				<0.002	<0.002	<0.002	<0.001		<0.002
1/21/2014	0.0061								
1/22/2014		<0.002							
1/23/2014				0.00082 (J)	<0.002	<0.002	<0.001	0.00068 (J)	<0.002
6/25/2014	0.007								
7/1/2014		<0.002					<0.001	<0.002	<0.002
7/8/2014			<0.002	<0.002	<0.002	<0.002			
1/14/2015	0.0063								
1/20/2015							<0.001		<0.002
1/21/2015				0.0013 (J)	<0.002	<0.002		<0.002	
1/22/2015		<0.002							
7/23/2015	0.0066								
7/29/2015		0.0011 (J)							
7/30/2015				0.0018 (J)		<0.002	<0.001		<0.002
7/31/2015			<0.002		<0.002				
1/19/2016							0.001 (J)		
1/20/2016			<0.002						
1/21/2016		<0.002		0.0017 (J)					
1/22/2016						<0.002			
1/25/2016					<0.002			<0.002	<0.002
1/26/2016	0.0058								
1/19/2017					<0.002				
1/20/2017						<0.002			
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				<0.002	<0.002	<0.002			<0.002
8/4/2017							0.0018 (J)	<0.002	
8/8/2017	0.0058	<0.002	<0.002						
1/19/2018						<0.002			
1/22/2018					<0.002				

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/29/2023 2:01 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)	<0.002	<0.002					
6/20/2018	0.006	<0.002							
6/21/2018							0.0031		
6/26/2018									<0.002
6/27/2018			<0.002	<0.002	<0.002	<0.002		<0.002	
1/24/2019	0.0065			0.0018	0.0013	<0.002			
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			<0.002	0.0013				0.0025	
9/12/2019		0.001			0.0014	<0.002			0.0012
3/11/2020							0.00099 (J)		
3/12/2020			<0.002	0.0011		<0.002			
3/13/2020					<0.002				
3/17/2020								<0.002	
3/18/2020	0.0069	<0.002							<0.002
9/9/2020						<0.002			
9/10/2020	0.0061	<0.002					0.0012		
9/11/2020								<0.002	
9/14/2020				<0.002					
9/15/2020			<0.002		<0.002				<0.002
3/15/2021	0.0068								
3/16/2021								<0.002	
3/17/2021				<0.002	<0.002				0.0011
3/18/2021		0.001	<0.002			<0.002	0.0014		
8/19/2021	0.0063		<0.002	<0.002	<0.002				
8/23/2021		<0.002				<0.002	0.0015		
8/24/2021									0.0011
8/25/2021								0.001	
3/2/2022							0.0013		
3/8/2022	0.009			<0.002		0.00085 (J)			
3/9/2022		0.00093 (J)			<0.002				<0.002
3/10/2022			<0.002					0.0012	
8/10/2022				<0.002	<0.002	<0.002	<0.001		<0.002
8/16/2022		<0.002						0.0014	
8/17/2022	0.0067								
8/18/2022			0.00094 (J)						
2/14/2023	0.005						0.00085 (J)		
2/15/2023									<0.002
2/16/2023			<0.002						
2/20/2023						<0.002			
2/21/2023		<0.002		<0.002	<0.002				
2/22/2023								<0.002	

# Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/29/2023 2:01 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	<0.002			
9/7/2011						<0.0025	<0.001	<0.001
9/16/2011	<0.002	<0.002	<0.002					
10/27/2011				<0.005				
10/30/2011	<0.002				<0.002	<0.0025	<0.001	<0.001
10/31/2011		<0.002	<0.002					
12/4/2011								<0.001
12/5/2011				<0.005	<0.002	<0.0025	<0.001	
12/12/2011	<0.002	<0.002	<0.002					
1/19/2012							<0.001	<0.001
1/25/2012				<0.005	<0.002	<0.0025		
2/1/2012	<0.002	<0.002	<0.002					
7/16/2012		<0.002	<0.002					
7/17/2012	<0.002							
7/18/2012				<0.005		<0.0025	<0.001	<0.001
7/24/2012					<0.002			
1/7/2013						<0.0025	<0.001	
1/8/2013					<0.002			<0.001
1/9/2013				<0.005				
1/22/2013		<0.002	<0.002					
1/23/2013	<0.002							
7/2/2013			<0.002					
7/9/2013					<0.002	<0.0025	<0.001	<0.001
7/17/2013	<0.002	<0.002		<0.005				
1/14/2014						<0.0025	<0.001	0.0022 (J)
1/15/2014				0.0042 (J)	0.002 (J)			
1/21/2014			<0.002					
1/23/2014	<0.002	<0.002						
6/24/2014						0.00087 (J)	0.0014 (J)	0.0022 (J)
6/25/2014		<0.002	<0.002	0.0022 (J)	<0.002			
1/13/2015				0.004 (J)				
1/14/2015		<0.002	<0.002					
1/20/2015	<0.002				<0.002	0.00094 (J)	0.0013 (J)	0.0025 (J)
7/24/2015				0.0021 (J)	<0.002			
7/27/2015						<0.0025	<0.001	0.0024 (J)
7/28/2015			<0.002					
7/29/2015	<0.002	<0.002						
1/20/2016				0.0035 (J)	<0.002			
1/21/2016		<0.002	<0.002					
1/25/2016	<0.002							
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		<0.002	<0.002	0.0031	<0.002			
8/4/2017	<0.002					<0.0025		
8/7/2017							<0.001	<0.001
1/23/2018	0.003	<0.002	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		<0.002						
6/21/2018						0.0015 (J)		<0.001



# Time Series

Constituent: Vanadium (mg/L) Analysis Run 3/29/2023 2:01 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)	<0.002	0.0035		
6/26/2018	<0.002							
1/21/2019			0.0011			0.003		
1/22/2019							0.0015	0.0014
1/28/2019		<0.002						
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		<0.002						
9/12/2019	0.0014		<0.002	0.0031	<0.002			
9/16/2019								0.0014
3/11/2020		<0.002	<0.002					
3/12/2020	<0.002					0.0019	<0.001	
3/16/2020				0.0028	<0.002			<0.001
9/9/2020				0.0025				
9/11/2020		<0.002	<0.002		<0.002			<0.001
9/14/2020						0.0017	<0.001	
9/16/2020	<0.002							
3/16/2021		<0.002	<0.002			0.0025	0.0014	0.0011
3/17/2021				0.0025	<0.002			
3/18/2021	<0.002							
8/18/2021			<0.002		<0.002			
8/19/2021				0.0026		0.002		
8/20/2021							0.0012	
8/24/2021	<0.002	<0.002						
8/25/2021								<0.001
3/2/2022		<0.002	<0.002	0.003	<0.002	0.0031	0.0013	
3/9/2022	<0.002							<0.001
8/10/2022		<0.002						
8/11/2022				0.0019	<0.002	0.0023	<0.001	
8/15/2022	<0.002		<0.002					
8/16/2022								0.0015
2/15/2023							0.00096 (J)	0.0009 (J)
2/20/2023	<0.002	<0.002	<0.002	0.0029	<0.002			
2/21/2023						0.0029		

# Time Series

Constituent: Zinc (mg/L) Analysis Run 3/29/2023 2:01 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			<0.02	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			<0.02	0.028	<0.02				

# Time Series

Constituent: Zinc (mg/L) Analysis Run 3/29/2023 2:01 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	<0.02	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	<0.02	0.028		<0.005			
6/20/2018					<0.02			<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		
8/9/2022	0.0066	0.0069	0.0089	0.032	0.026	<0.005			
8/15/2022								<0.005	
8/16/2022							<0.005		<0.005
2/13/2023				0.025					
2/14/2023	0.0048 (J)	<0.005	0.014		0.017	0.0029 (J)			

# Time Series

Constituent: Zinc (mg/L) Analysis Run 3/29/2023 2:01 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	GWA-1 (bg)	GWA-2 (bg)	GWA-28 (bg)	GWA-29 (bg)	GWA-3 (bg)	GWA-4 (bg)	GWC-10	GWC-11	GWC-12
2/15/2023							0.0047 (J)		<0.005
2/21/2023								<0.005	

# Time Series

Constituent: Zinc (mg/L) Analysis Run 3/29/2023 2:01 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	<0.0025	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005	
7/17/2012									0.009
1/8/2013	<0.005	<0.0025	<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	<0.0025							
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 3/29/2023 2:01 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		
8/11/2022					0.003 (J)	<0.005	<0.005		
8/15/2022	0.0033 (J)								
8/16/2022		0.014	<0.005	<0.005				0.004 (J)	0.0093
2/17/2023		0.015							
2/20/2023				<0.005	<0.005	<0.005			
2/21/2023	<0.005		<0.005				0.0072		0.0038 (J)
2/22/2023								0.0035 (J)	

# Time Series

Constituent: Zinc (mg/L) Analysis Run 3/29/2023 2:01 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								<0.02	
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 3/29/2023 2:01 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	<0.02	0.009 (J)					
6/20/2018	<0.005	<0.005							
6/21/2018							<0.005		
6/26/2018									0.047
6/27/2018			<0.02	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	
8/10/2022				0.02	0.0053	0.0071	<0.005		0.017
8/16/2022		0.016						0.016	
8/17/2022	<0.005								
8/18/2022			0.006						
2/14/2023	0.012						<0.005		
2/15/2023									0.024
2/16/2023			0.0059						
2/20/2023						<0.005			
2/21/2023		<0.005		0.0069	<0.005				
2/22/2023								0.011	



# Time Series

Constituent: Zinc (mg/L) Analysis Run 3/29/2023 2:01 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		<0.005
1/24/2018							<0.005	<0.005
6/19/2018			<0.005					
6/20/2018		<0.005						

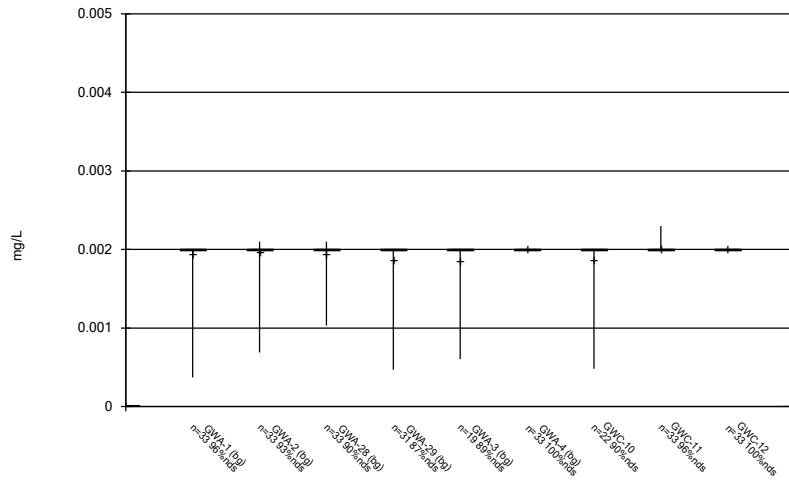
# Time Series

Constituent: Zinc (mg/L) Analysis Run 3/29/2023 2:01 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)
5/4/2022	0.022 (R)							
8/10/2022		0.0049 (J)						
8/11/2022				0.0053	0.0051	0.0038 (J)	0.012	
8/15/2022	0.018		0.014					
8/16/2022								0.096
10/12/2022								0.043 (R)
2/15/2023							0.0029 (J)	0.015
2/20/2023	0.0038 (J)	<0.005	<0.005	0.0033 (J)	<0.005			
2/21/2023						<0.005		

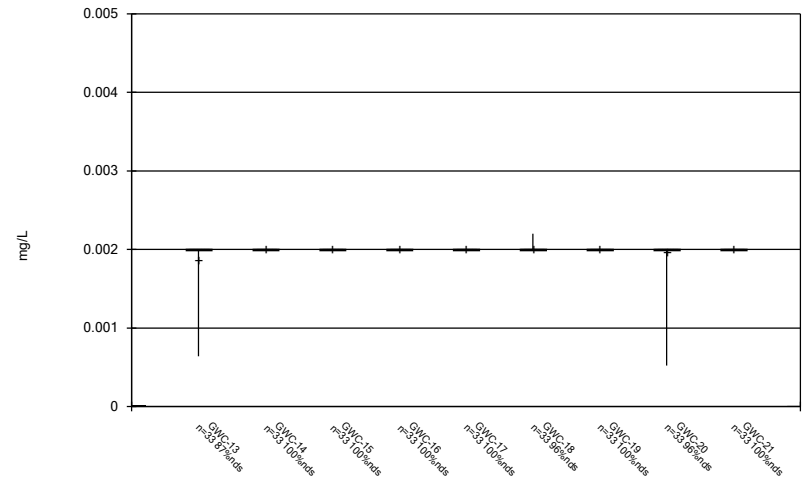
FIGURE B.

### Box & Whiskers Plot



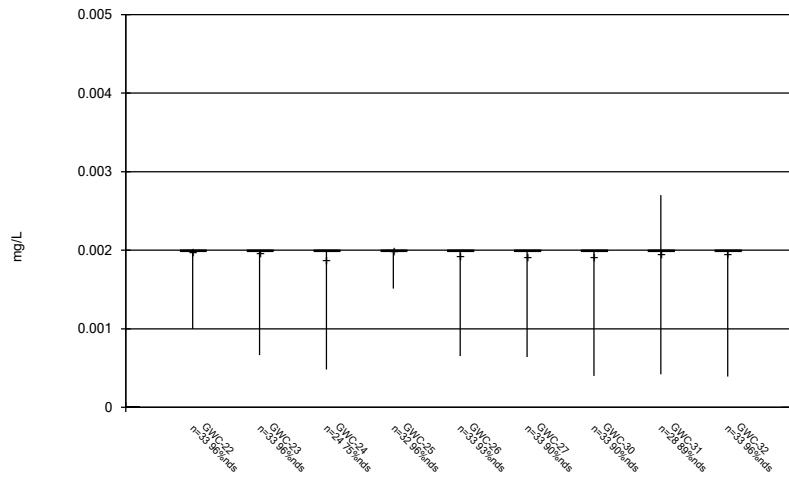
Constituent: Antimony Analysis Run 3/29/2023 2:04 PM View: Descriptive  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

### Box & Whiskers Plot



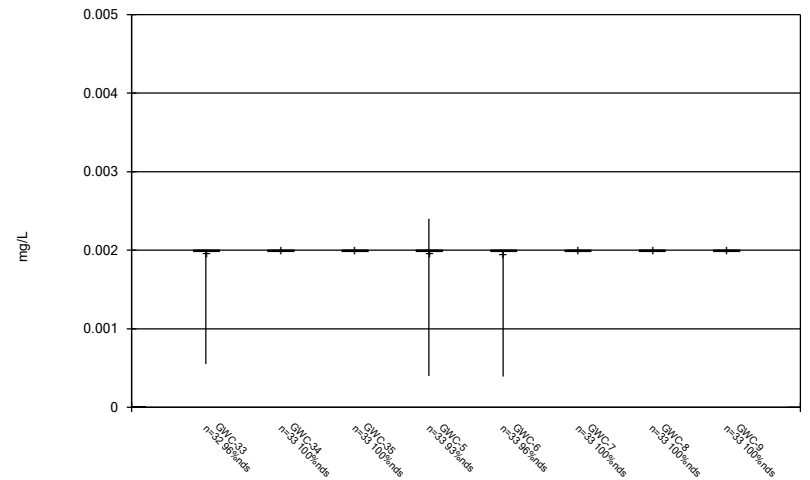
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 Plant Wansley Client: Southern Company Data: Wansley Landfill

### Box & Whiskers Plot



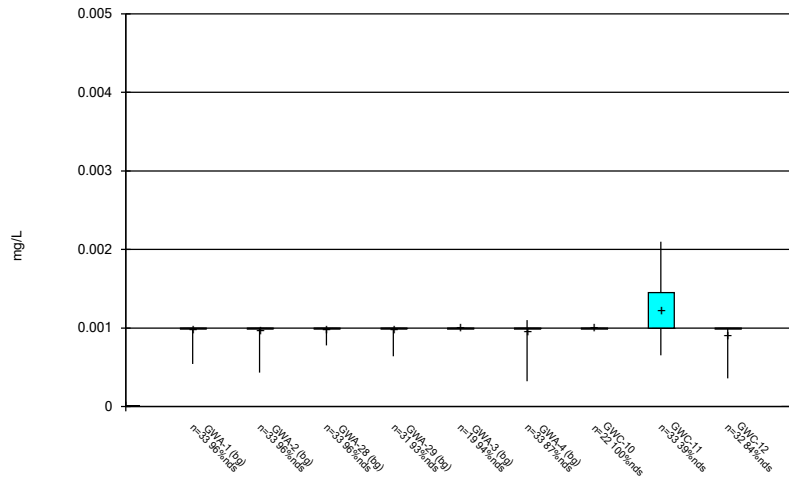
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 Plant Wansley Client: Southern Company Data: Wansley Landfill

### Box & Whiskers Plot



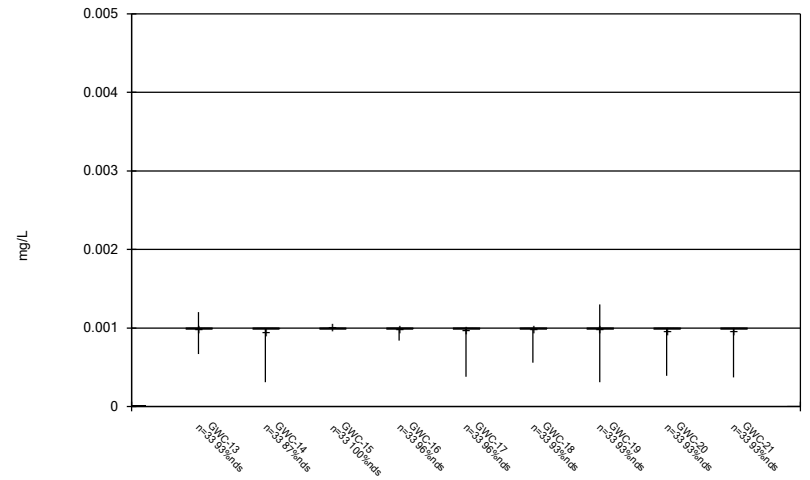
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 Plant Wansley Client: Southern Company Data: Wansley Landfill

Box & Whiskers Plot



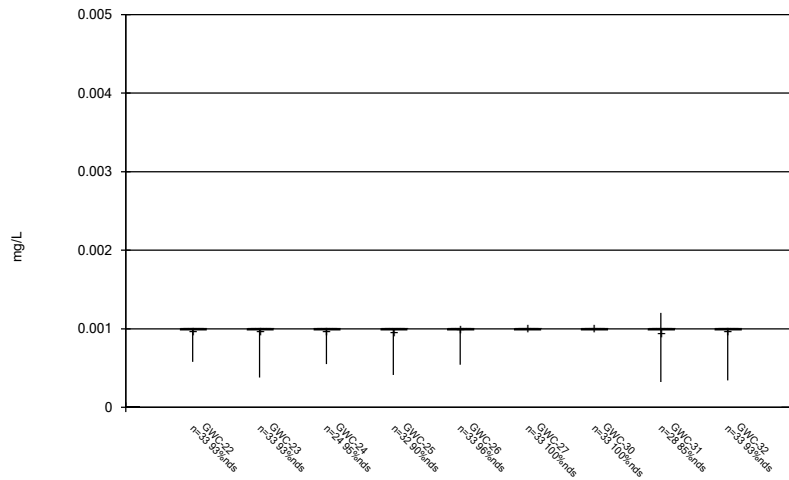
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Plant Wansley Client: Southern Company Data: Wansley Landfill

Box & Whiskers Plot



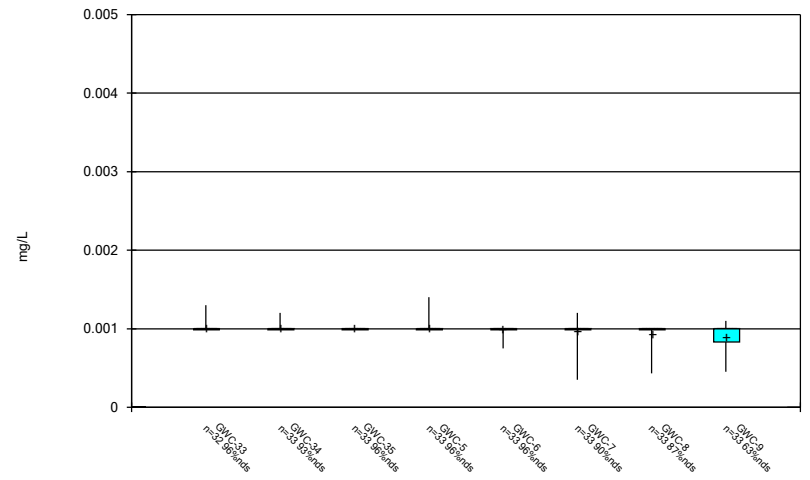
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Plant Wansley Client: Southern Company Data: Wansley Landfill

Box & Whiskers Plot



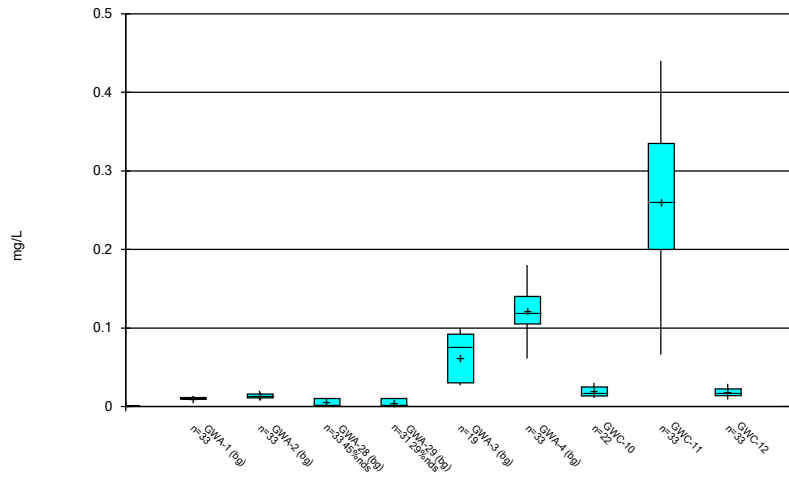
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Plant Wansley Client: Southern Company Data: Wansley Landfill

Box & Whiskers Plot



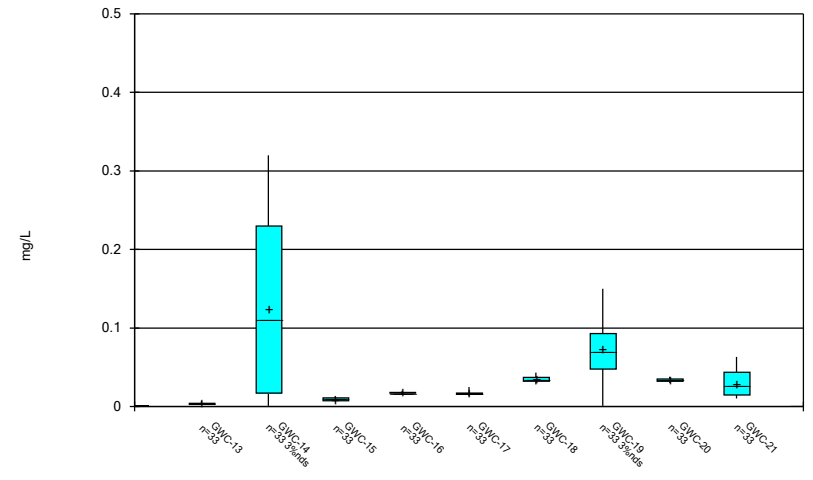
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Plant Wansley Client: Southern Company Data: Wansley Landfill

Box & Whiskers Plot



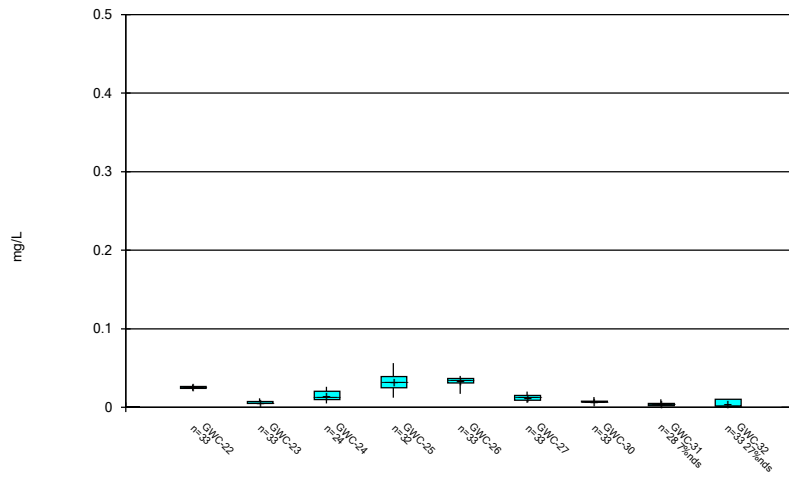
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Plant Wansley Client: Southern Company Data: Wansley Landfill

Box & Whiskers Plot



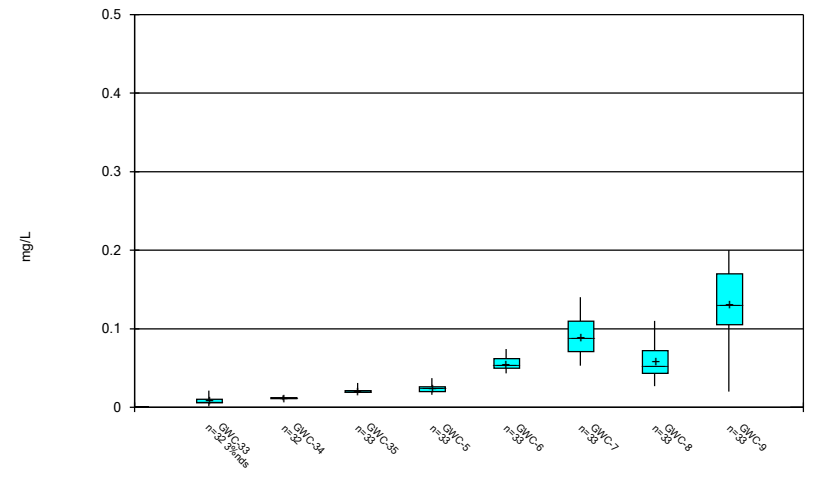
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Plant Wansley Client: Southern Company Data: Wansley Landfill

Box & Whiskers Plot



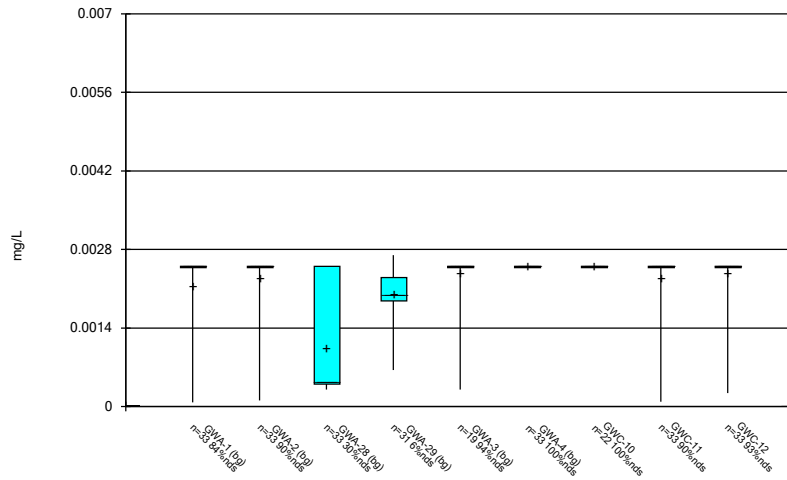
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Plant Wansley Client: Southern Company Data: Wansley Landfill

Box & Whiskers Plot



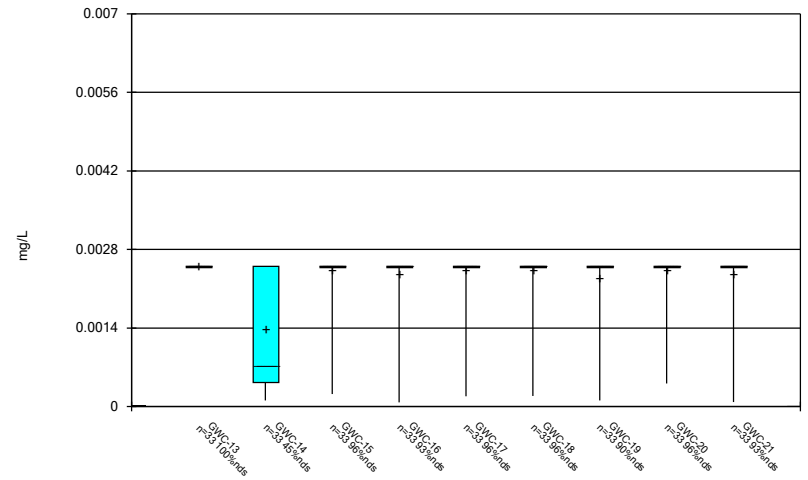
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Plant Wansley Client: Southern Company Data: Wansley Landfill

Box & Whiskers Plot



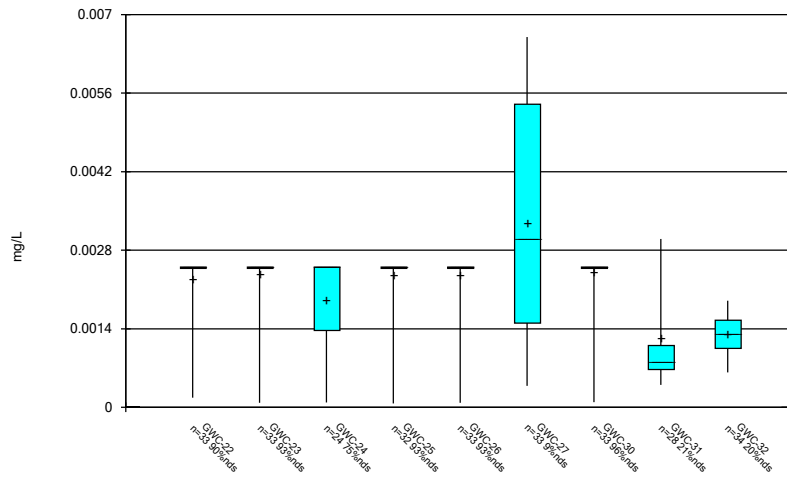
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 Plant Wansley Client: Southern Company Data: Wansley Landfill

Box & Whiskers Plot



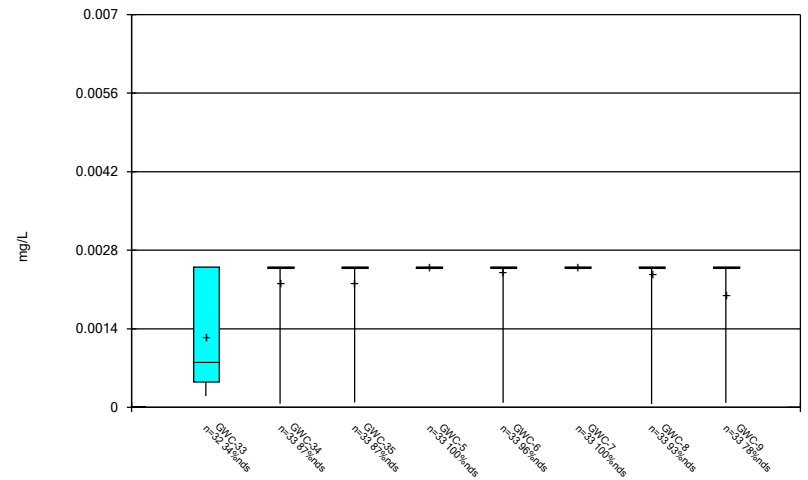
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 Plant Wansley Client: Southern Company Data: Wansley Landfill

Box & Whiskers Plot



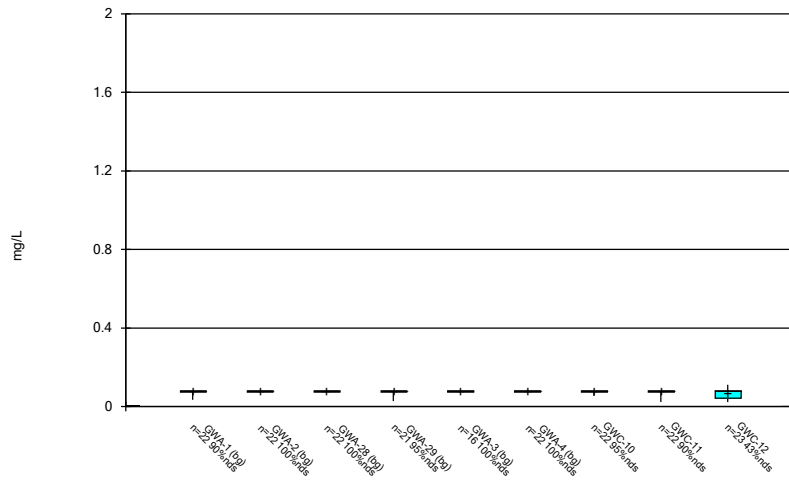
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 Plant Wansley Client: Southern Company Data: Wansley Landfill

Box & Whiskers Plot



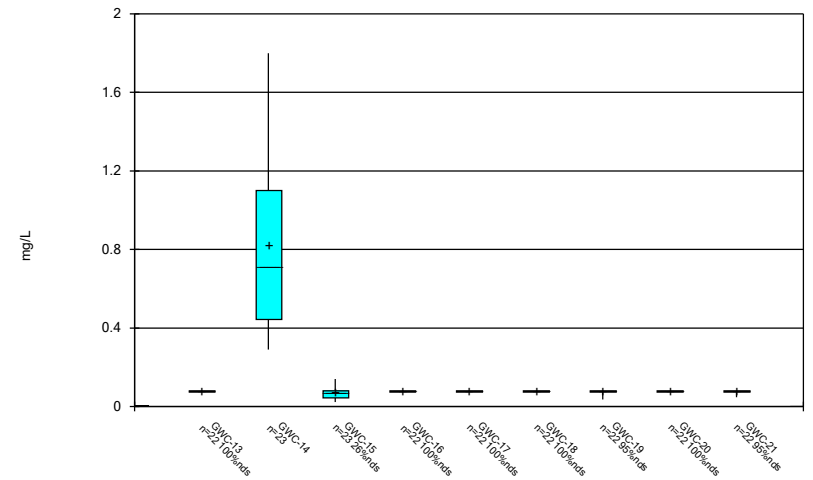
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 Plant Wansley Client: Southern Company Data: Wansley Landfill

Box & Whiskers Plot



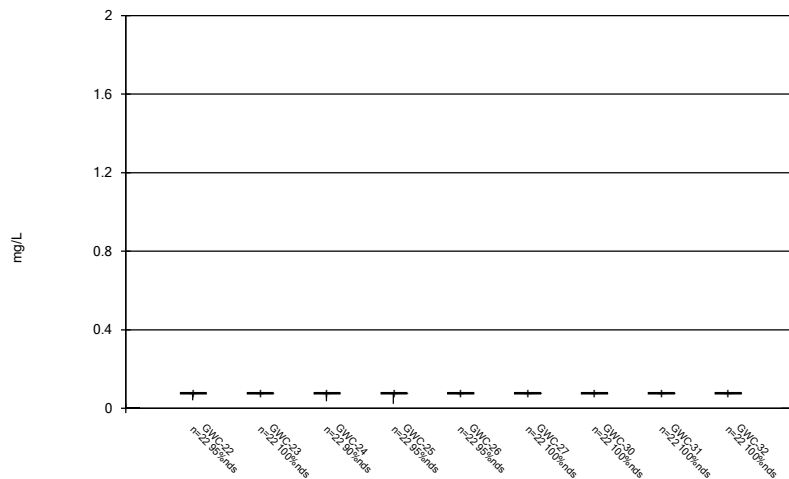
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 Plant Wansley Client: Southern Company Data: Wansley Landfill

Box & Whiskers Plot



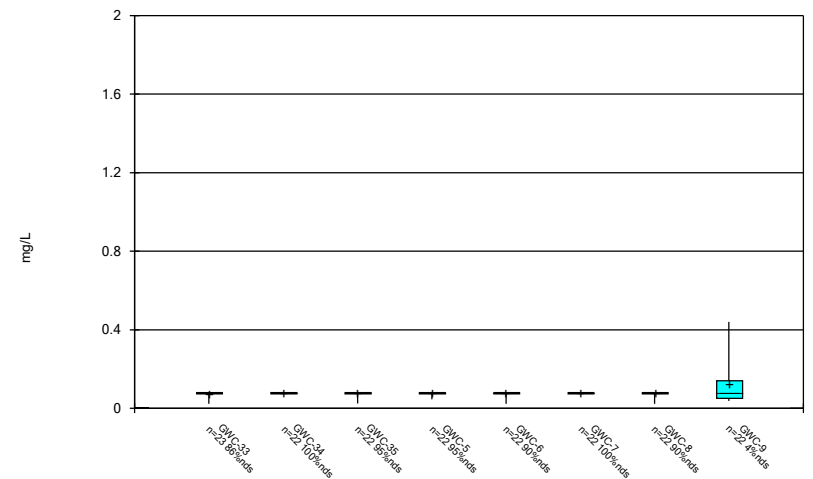
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 Plant Wansley Client: Southern Company Data: Wansley Landfill

Box & Whiskers Plot



Constituent: Boron Analysis Run 3/29/2023 2:04 PM View: Descriptive  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

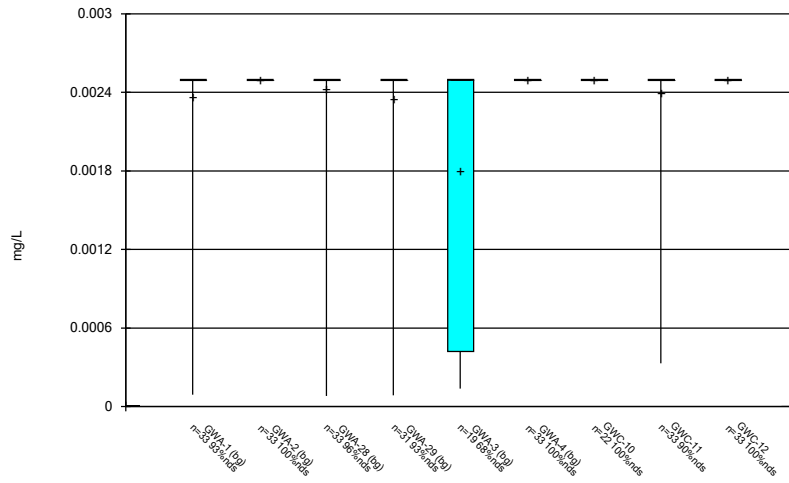
Box & Whiskers Plot



Constituent: Boron Analysis Run 3/29/2023 2:04 PM View: Descriptive  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

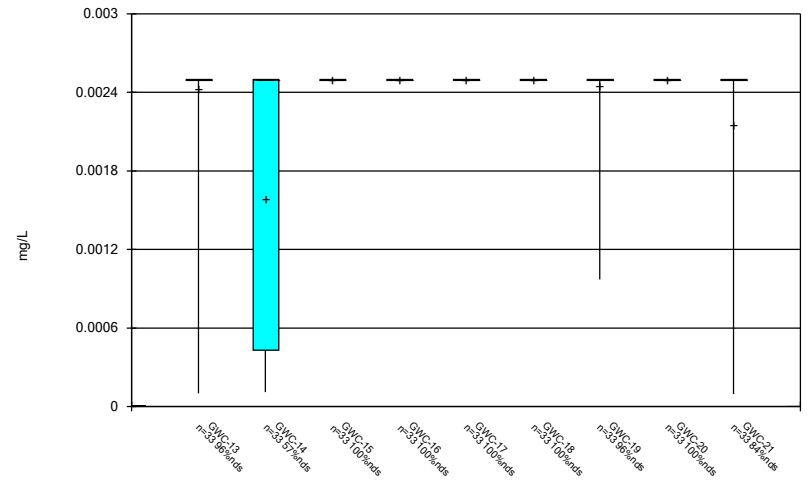


Box & Whiskers Plot



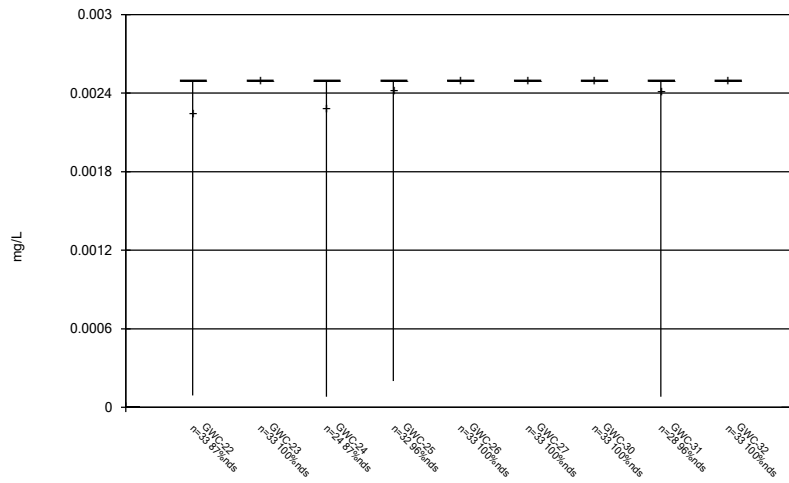
Constituent: Cadmium Analysis Run 3/29/2023 2:04 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Box & Whiskers Plot



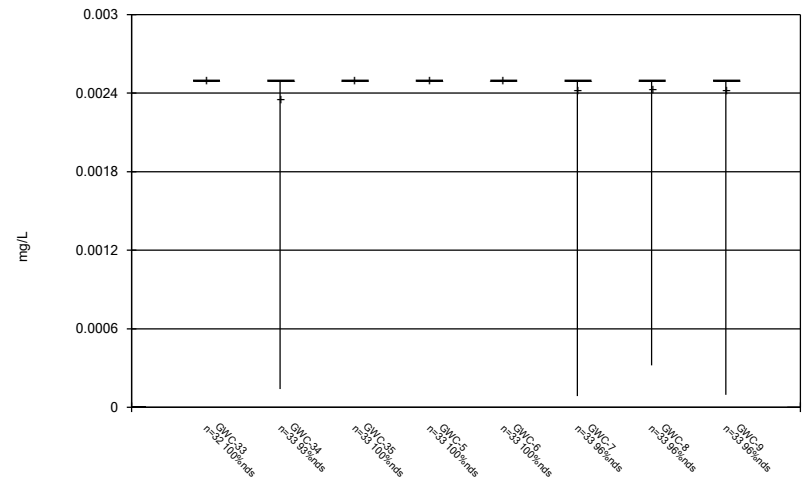
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Plant Wansley Client: Southern Company Data: Wansley Landfill

Box & Whiskers Plot



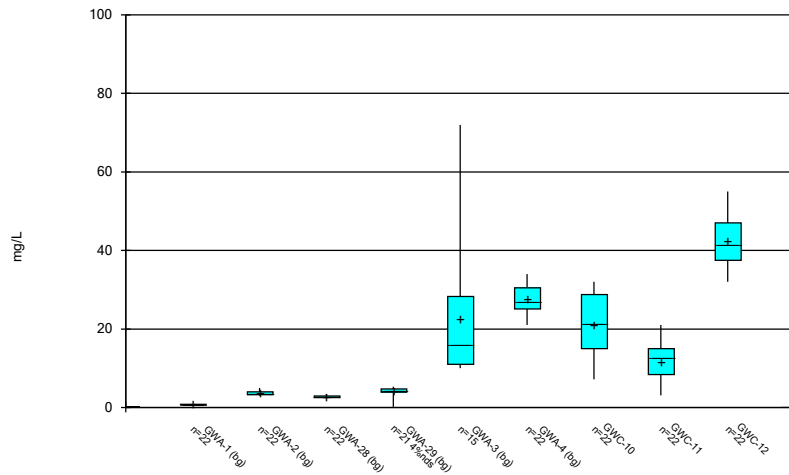
Constituent: Cadmium Analysis Run 3/29/2023 2:04 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Box & Whiskers Plot



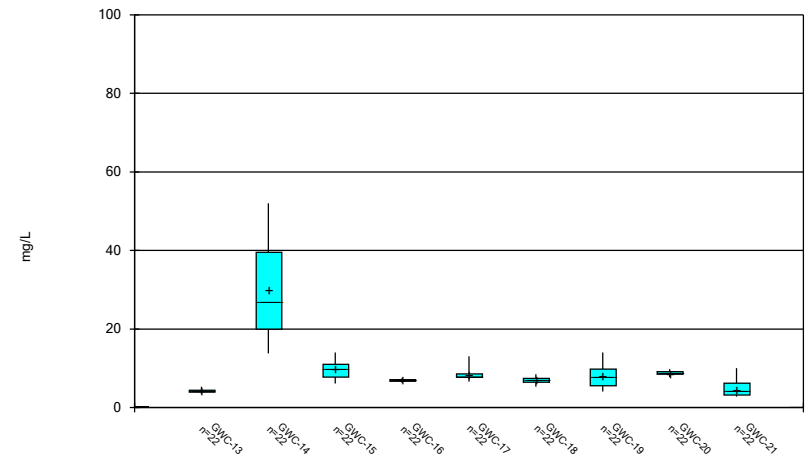
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Plant Wansley Client: Southern Company Data: Wansley Landfill

### Box & Whiskers Plot



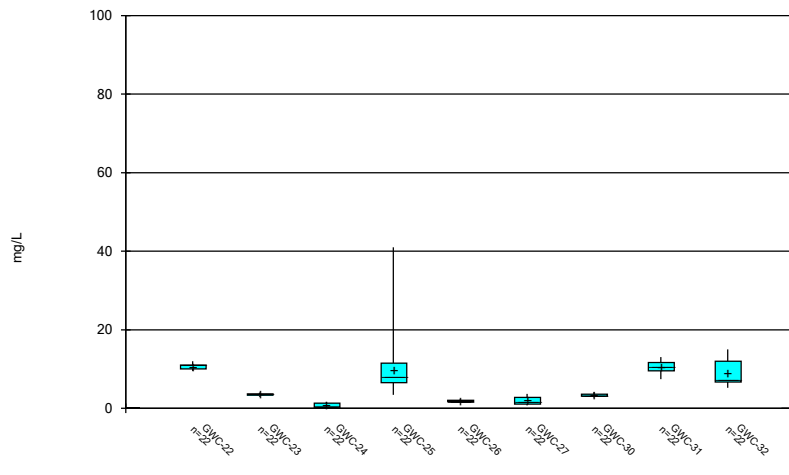
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Plant Wansley Client: Southern Company Data: Wansley Landfill

### Box & Whiskers Plot



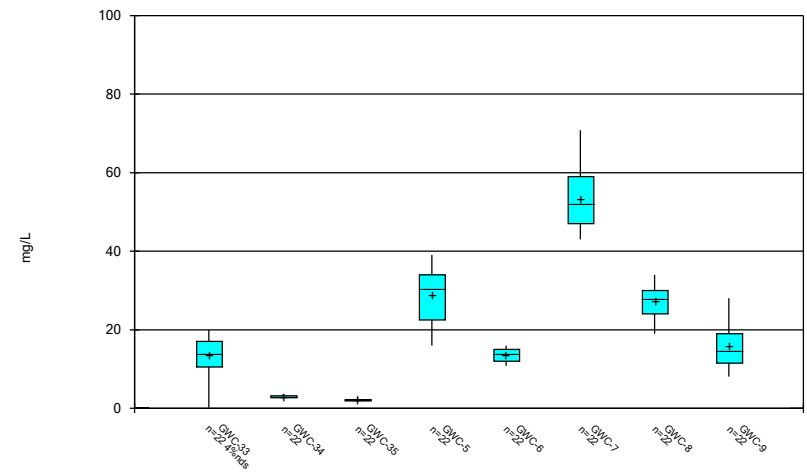
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### Box & Whiskers Plot



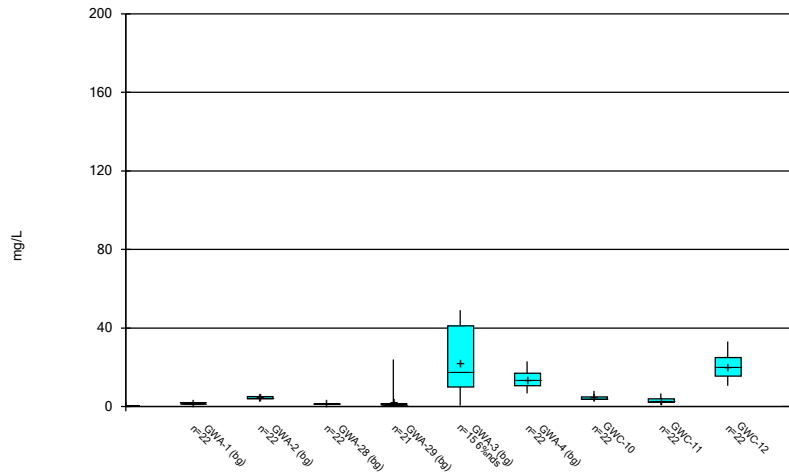
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### Box & Whiskers Plot



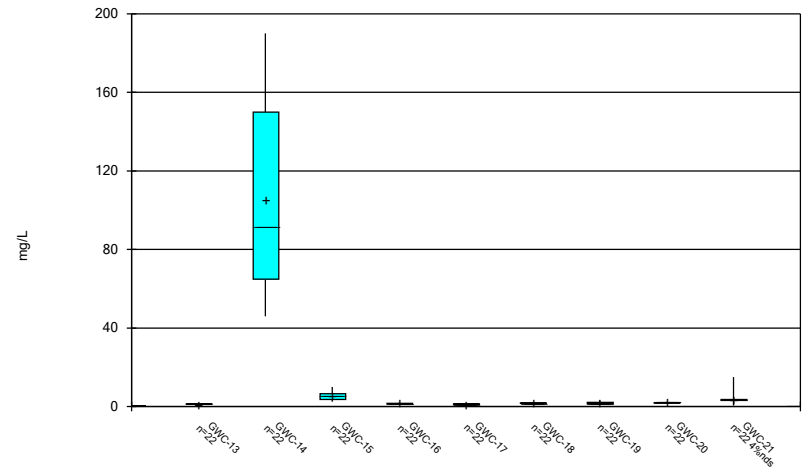
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Plant Wansley Client: Southern Company Data: Wansley Landfill

Box & Whiskers Plot



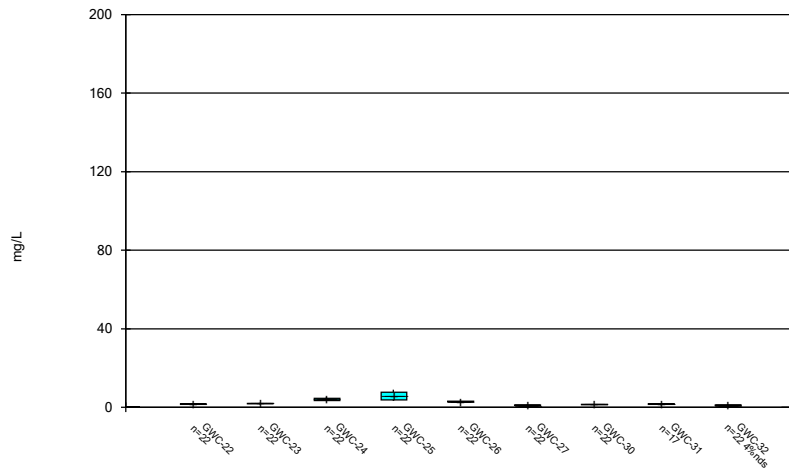
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Box & Whiskers Plot



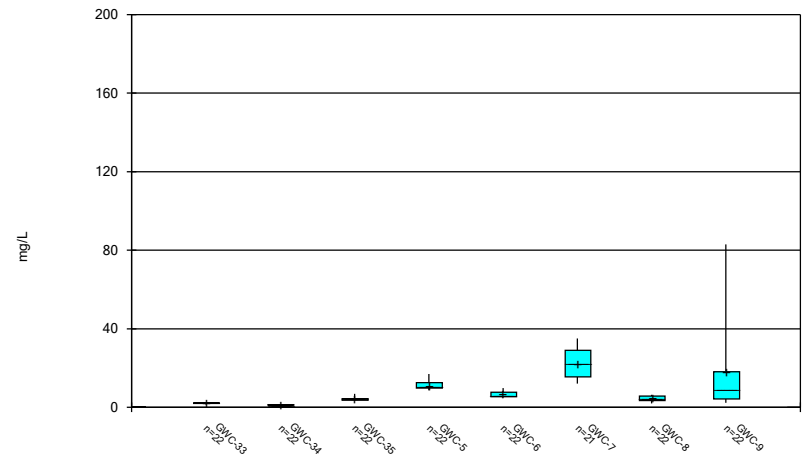
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Box & Whiskers Plot



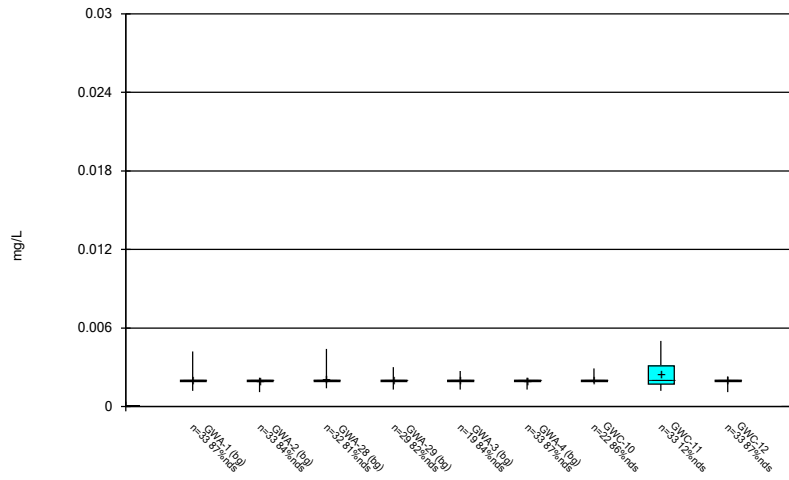
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Box & Whiskers Plot



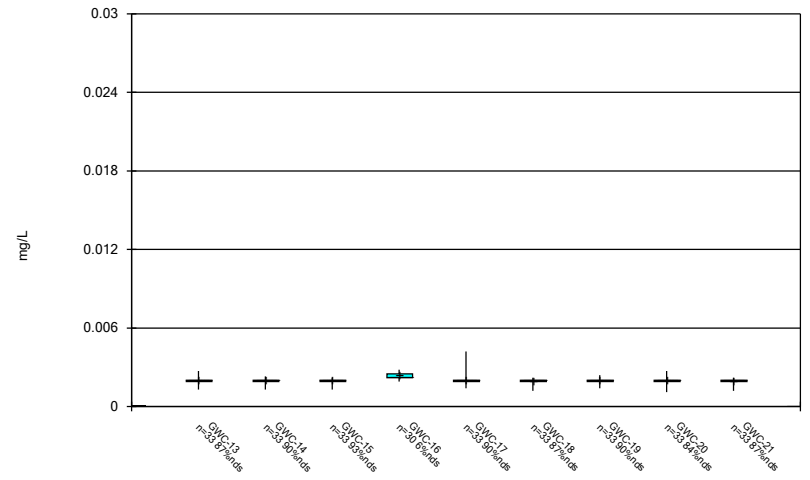
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Box & Whiskers Plot



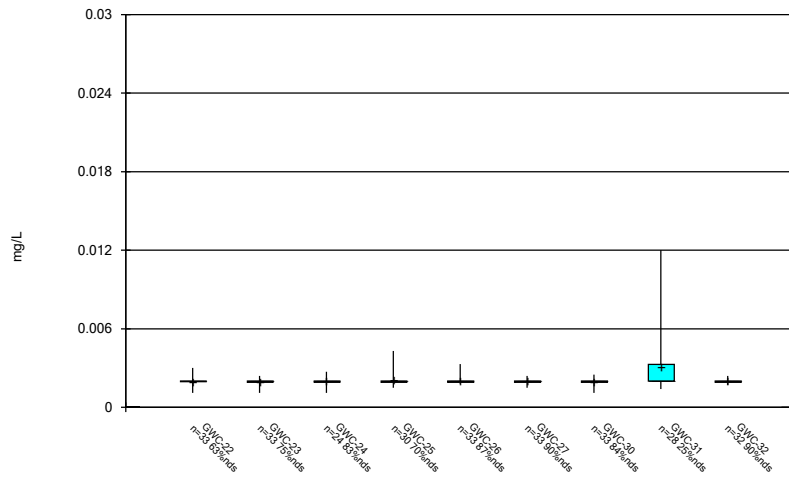
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Box & Whiskers Plot



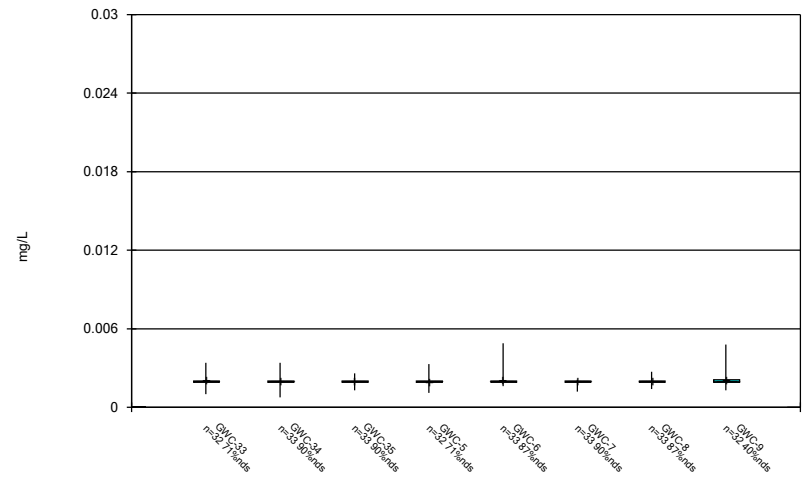
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Box & Whiskers Plot



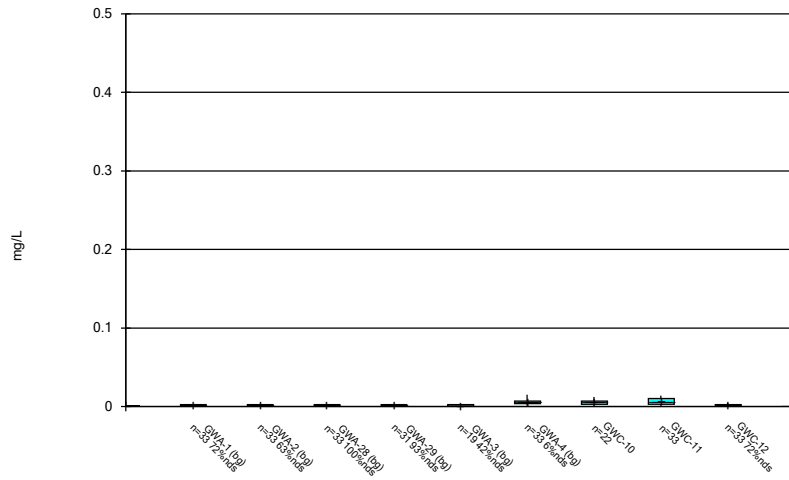
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Box & Whiskers Plot



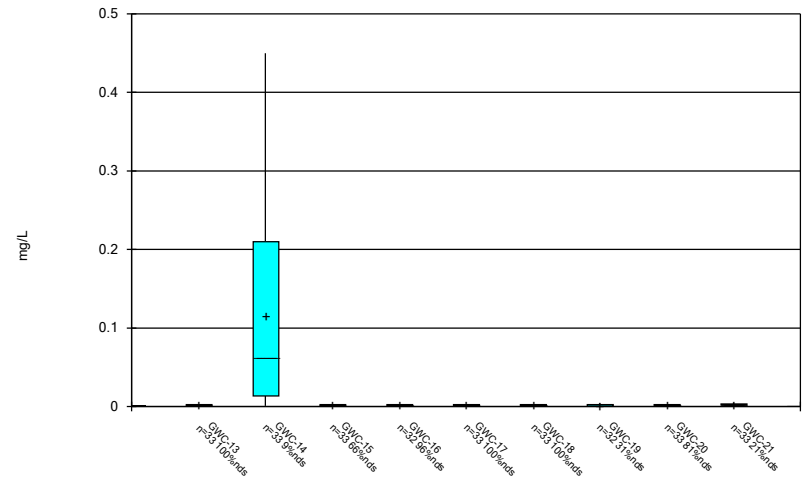
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Box & Whiskers Plot



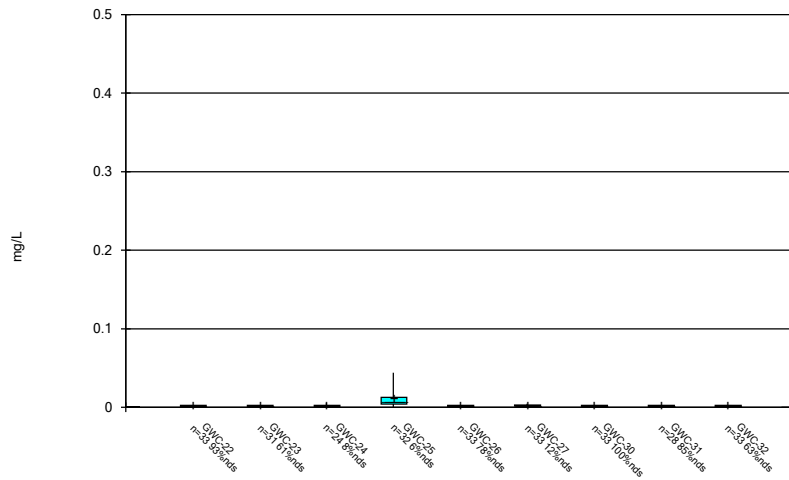
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Box & Whiskers Plot



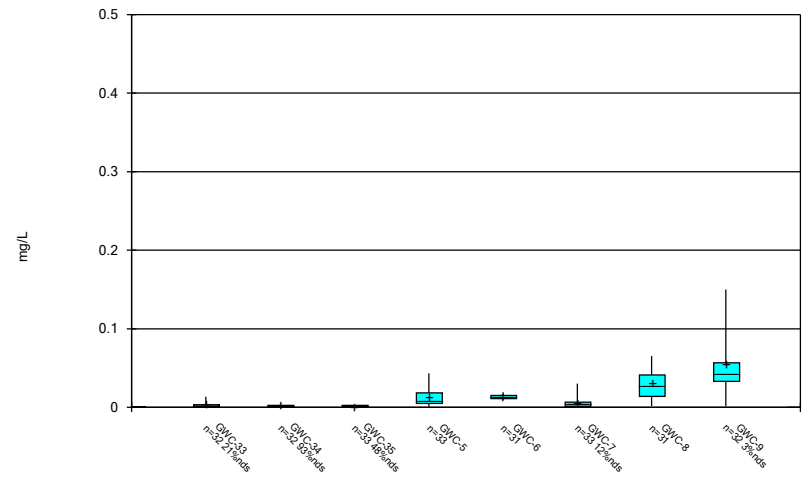
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Box & Whiskers Plot



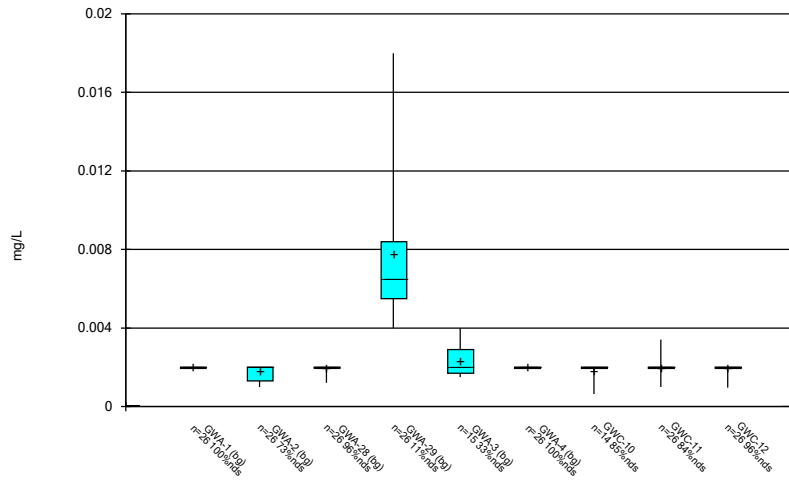
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Box & Whiskers Plot



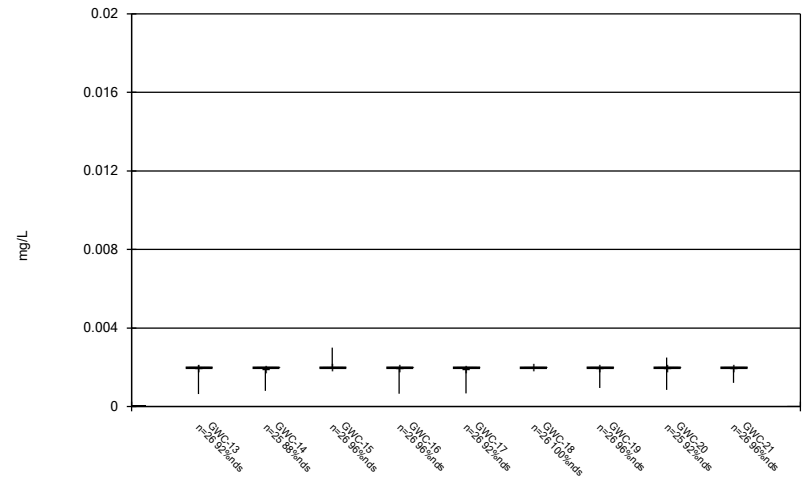
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Box & Whiskers Plot



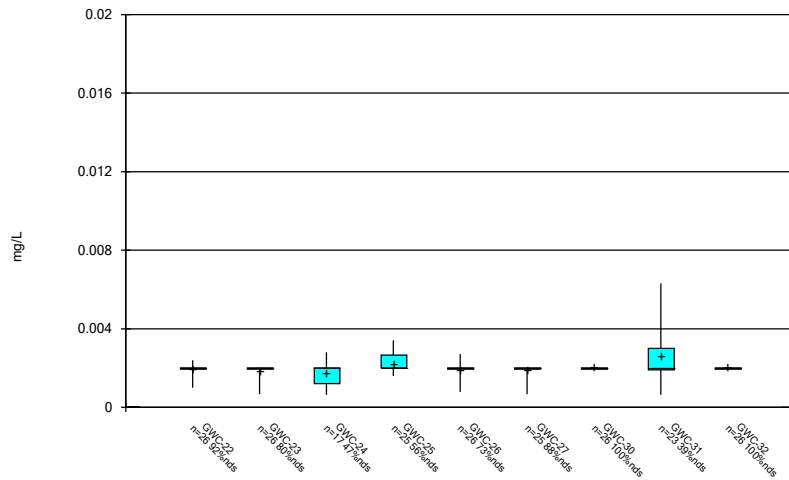
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Box & Whiskers Plot



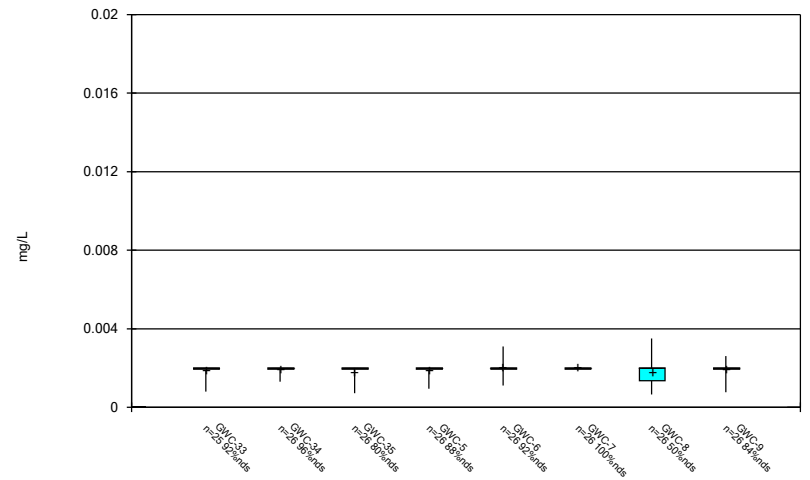
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Box & Whiskers Plot



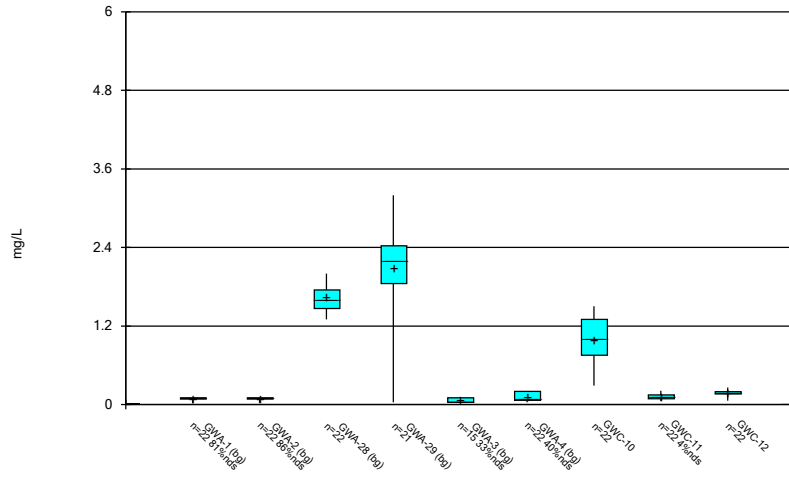
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Box & Whiskers Plot



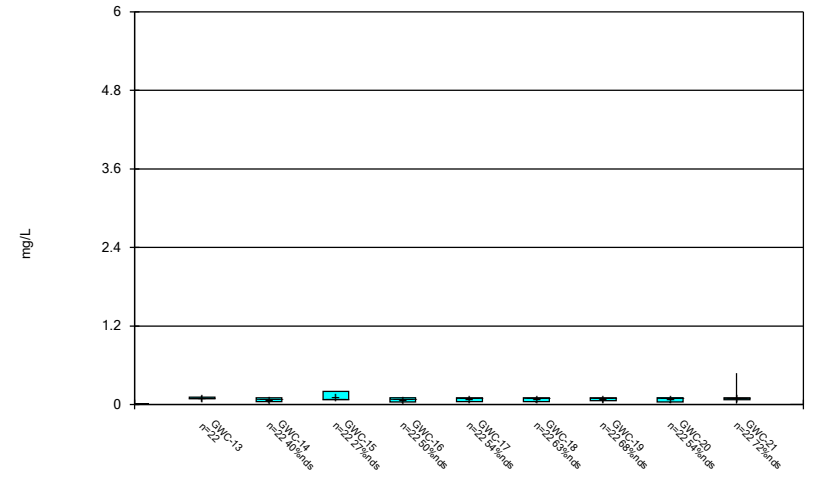
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Box & Whiskers Plot



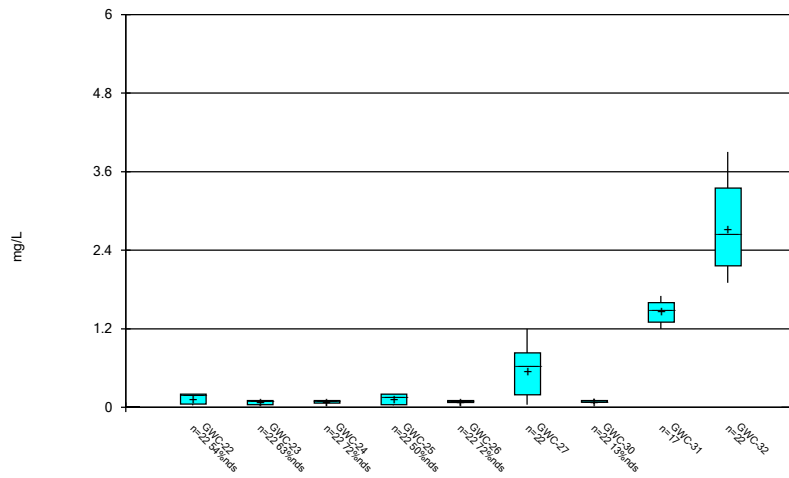
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Box & Whiskers Plot



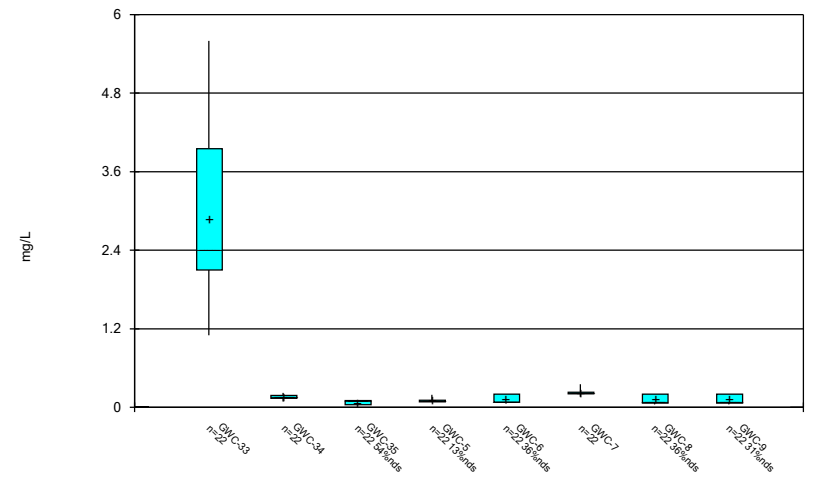
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Box & Whiskers Plot



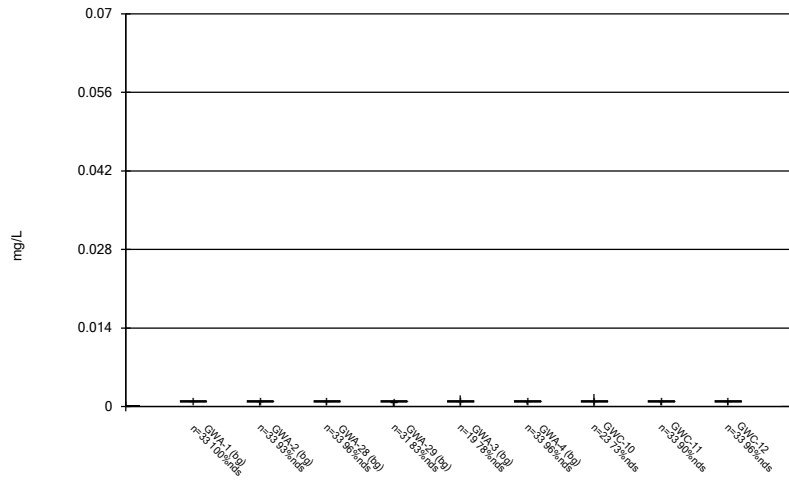
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Box & Whiskers Plot



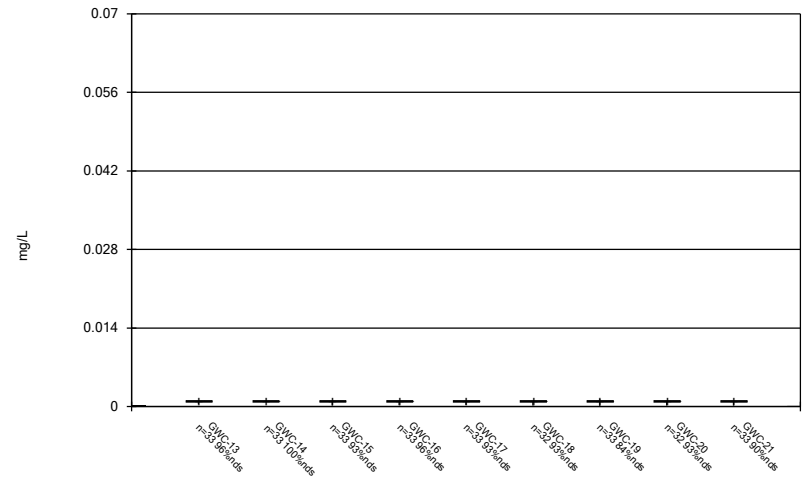
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Box & Whiskers Plot



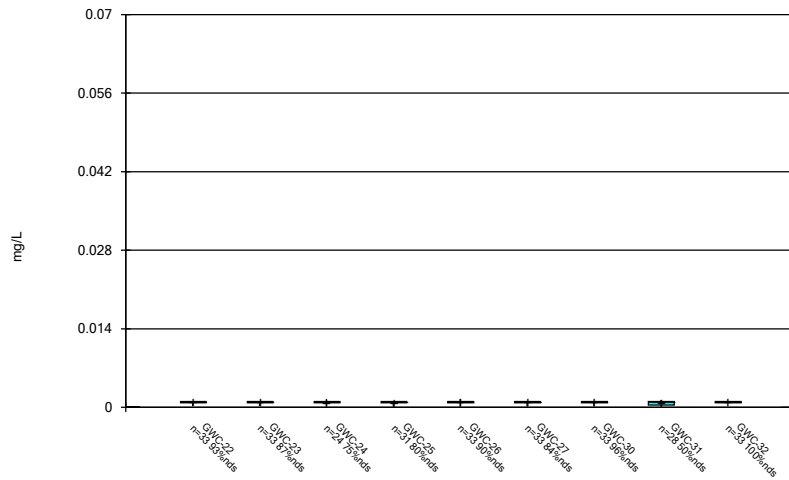
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Box & Whiskers Plot



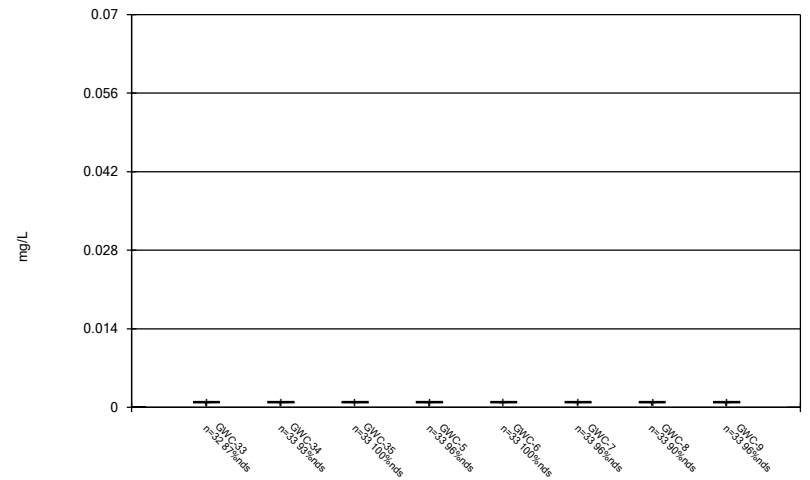
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Box & Whiskers Plot



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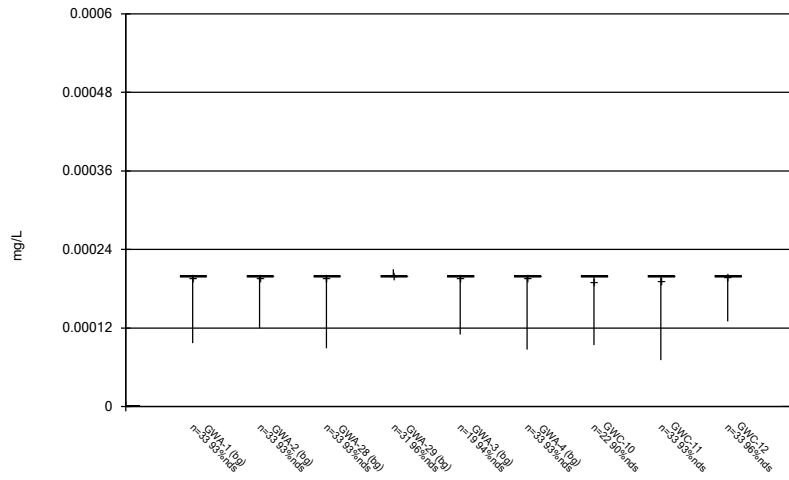
Box & Whiskers Plot



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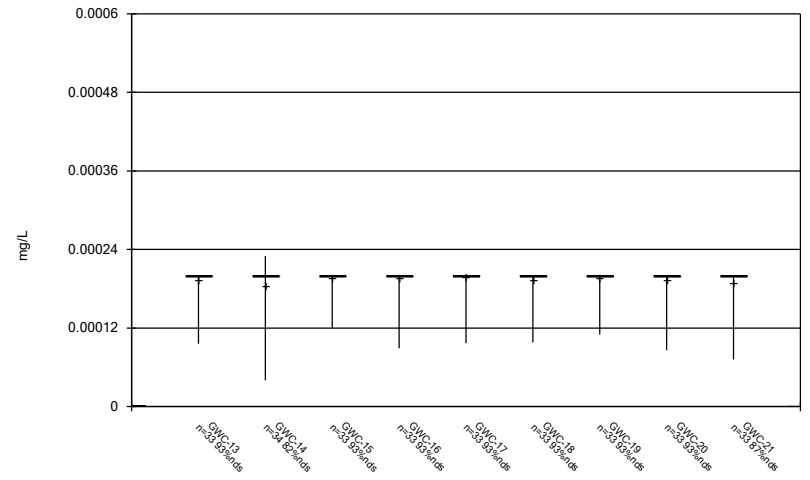


### Box & Whiskers Plot



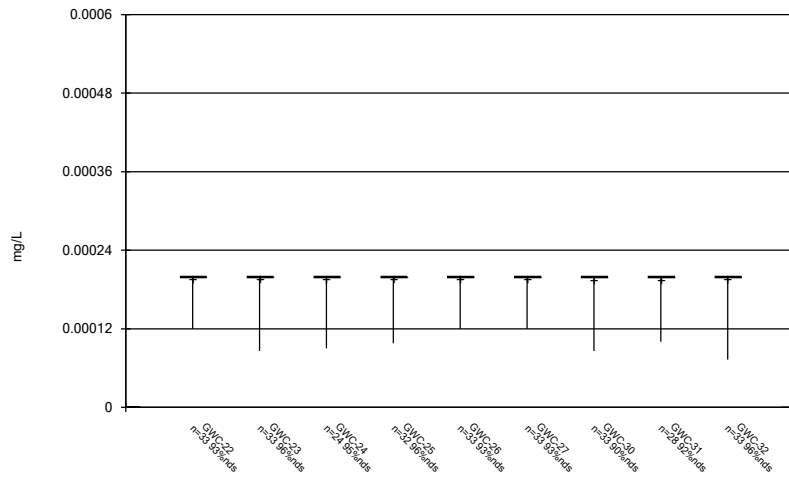
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### Box & Whiskers Plot



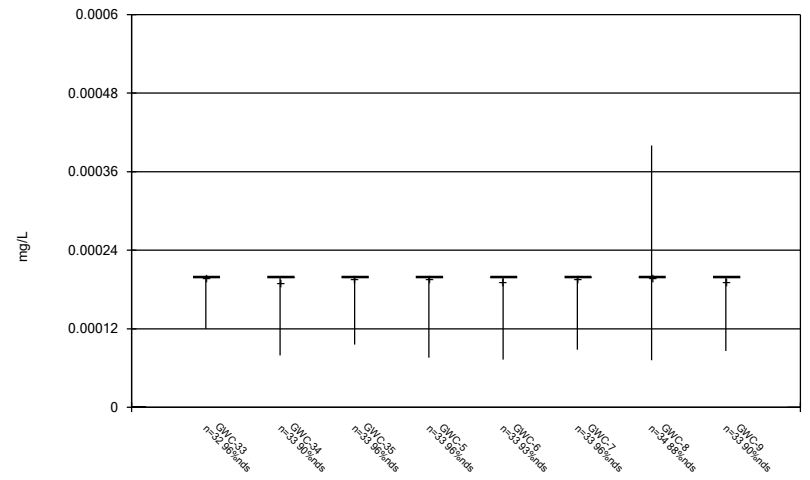
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### Box & Whiskers Plot



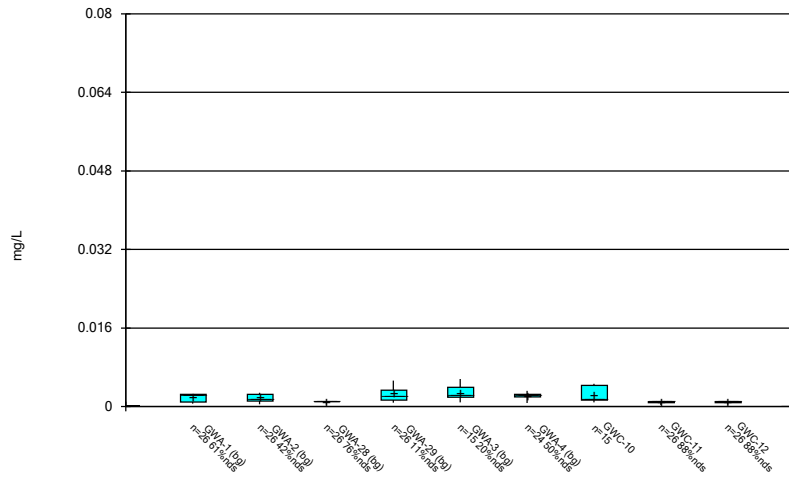
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### Box & Whiskers Plot



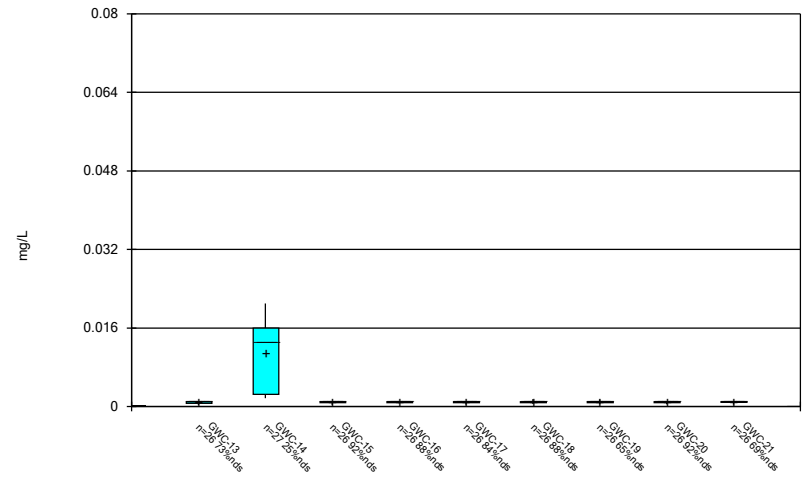
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### Box & Whiskers Plot



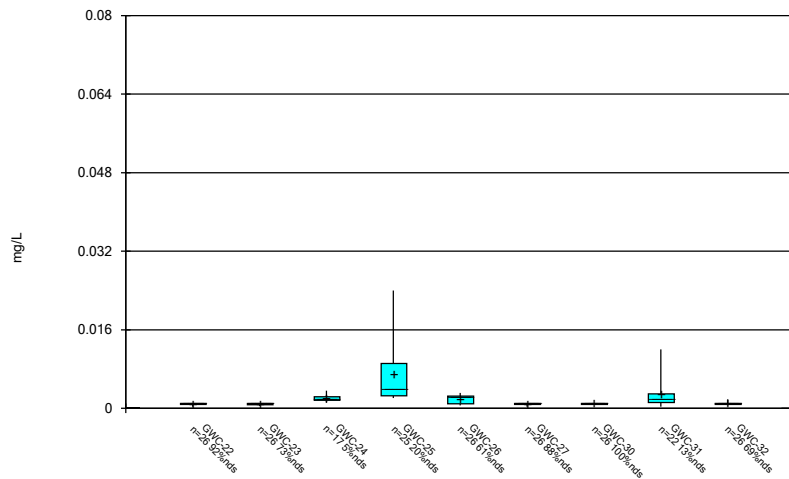
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### Box & Whiskers Plot



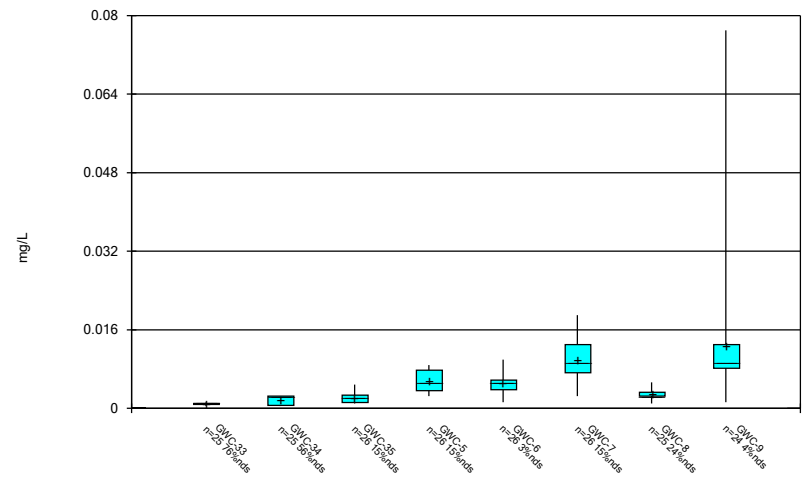
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### Box & Whiskers Plot



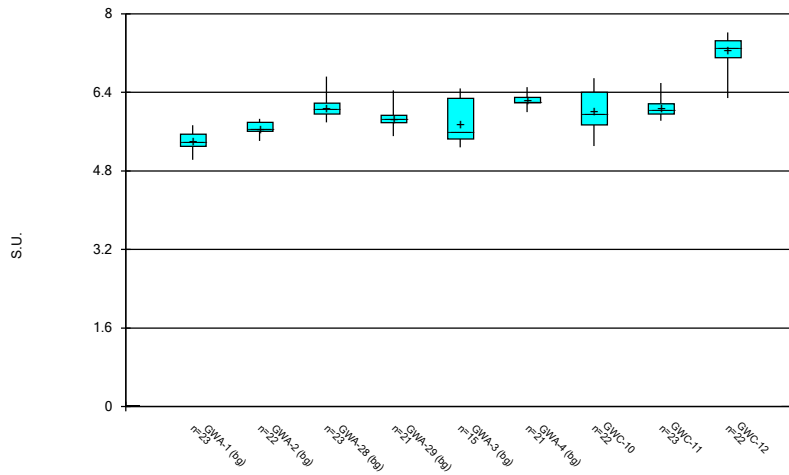
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### Box & Whiskers Plot



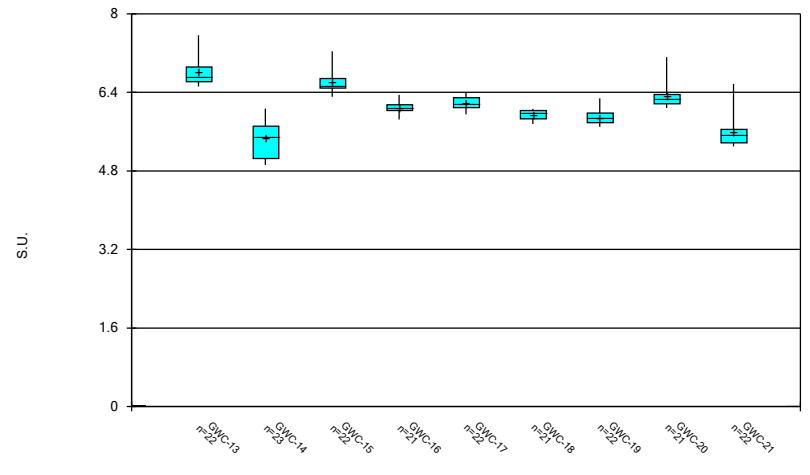
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Box & Whiskers Plot



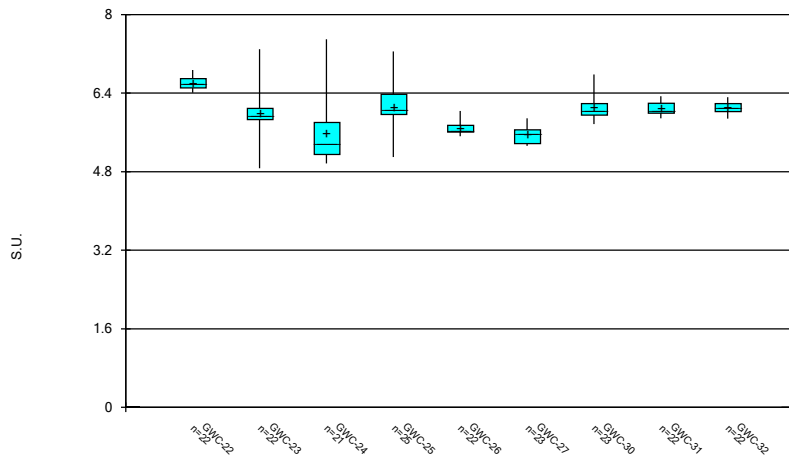
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Plant Wansley Client: Southern Company Data: Wansley Landfill

Box & Whiskers Plot



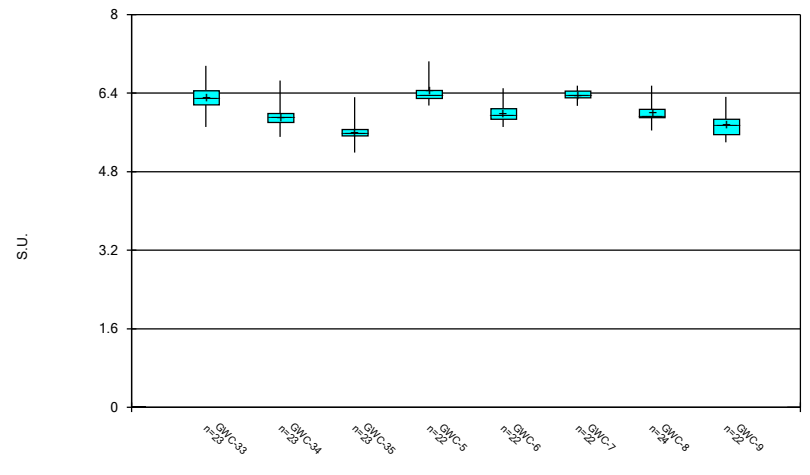
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Box & Whiskers Plot



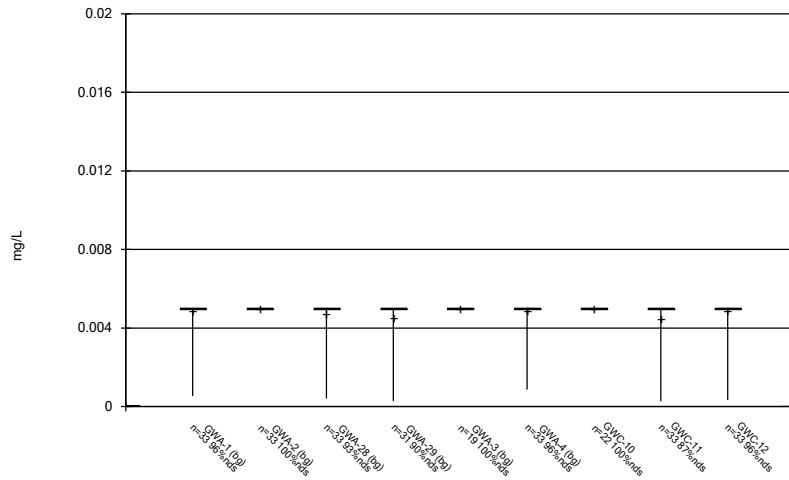
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Box & Whiskers Plot



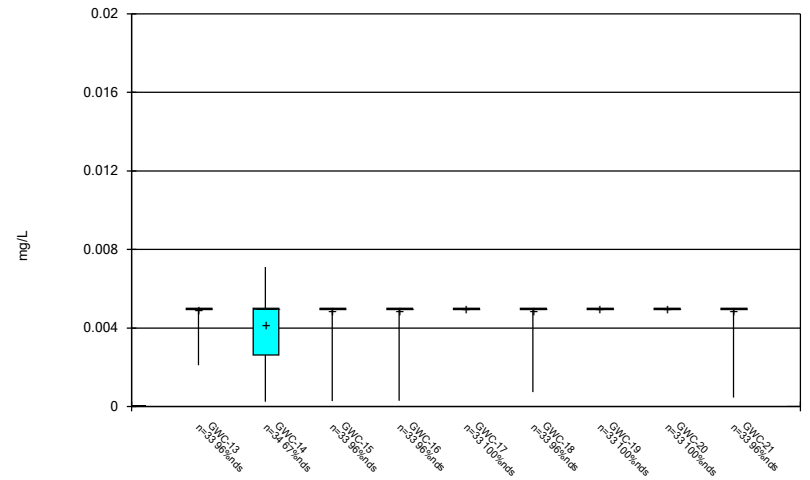
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Plant Wansley Client: Southern Company Data: Wansley Landfill

### Box & Whiskers Plot



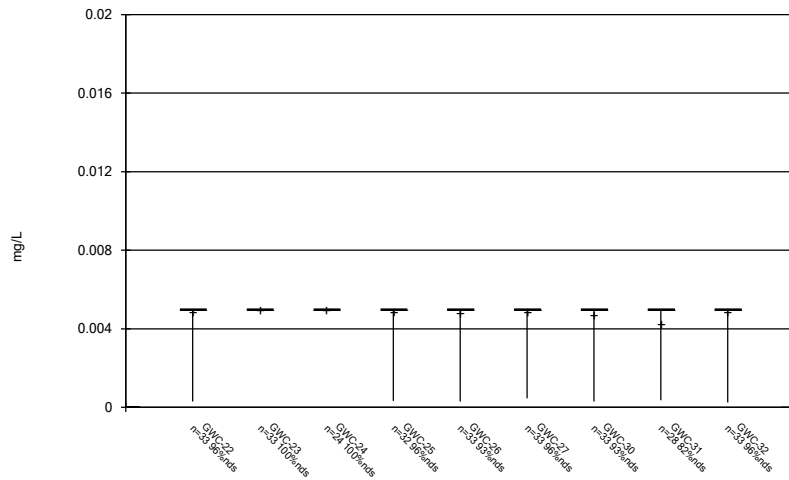
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### Box & Whiskers Plot



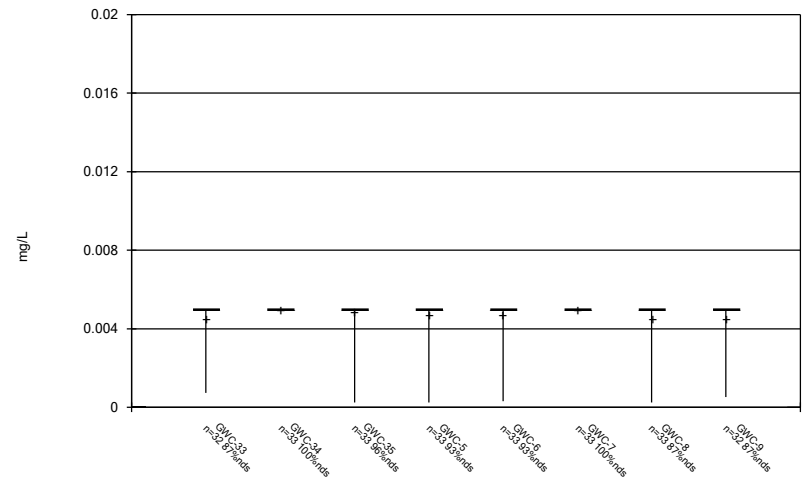
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### Box & Whiskers Plot



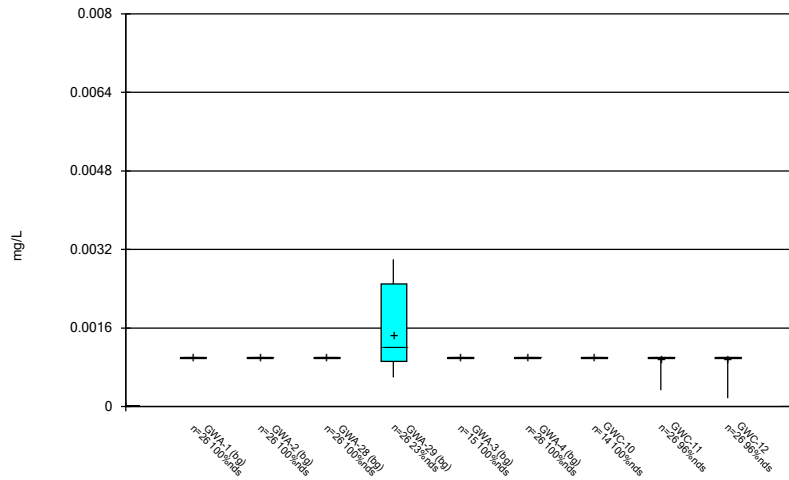
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### Box & Whiskers Plot



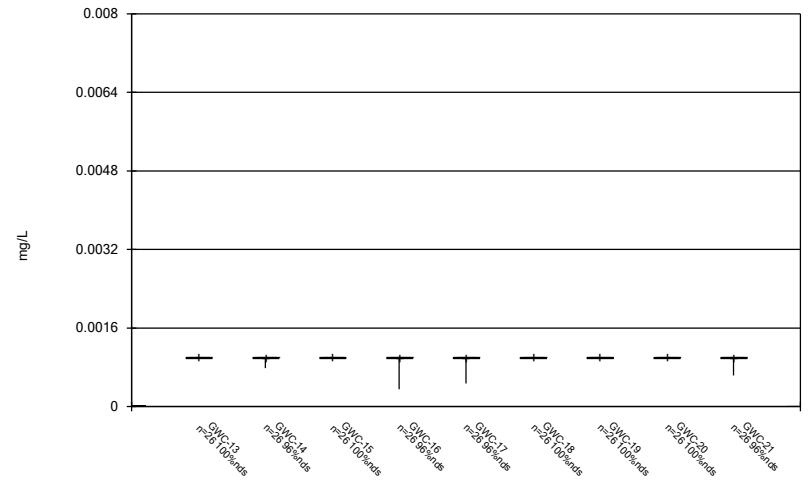
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Box & Whiskers Plot



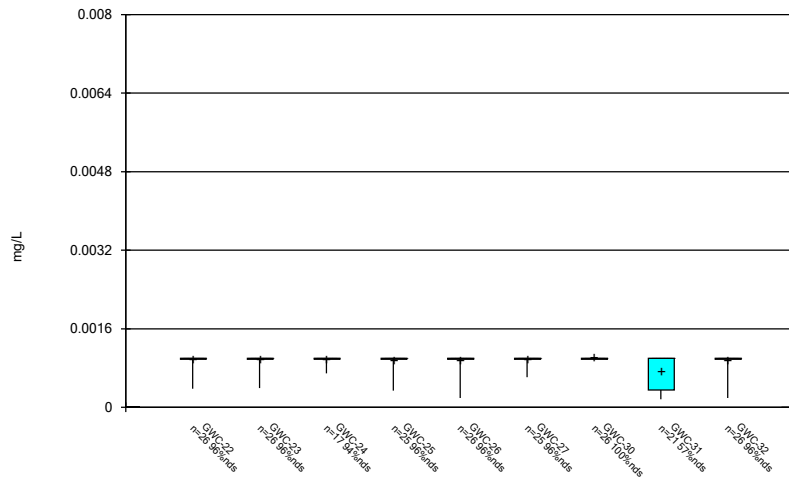
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Box & Whiskers Plot



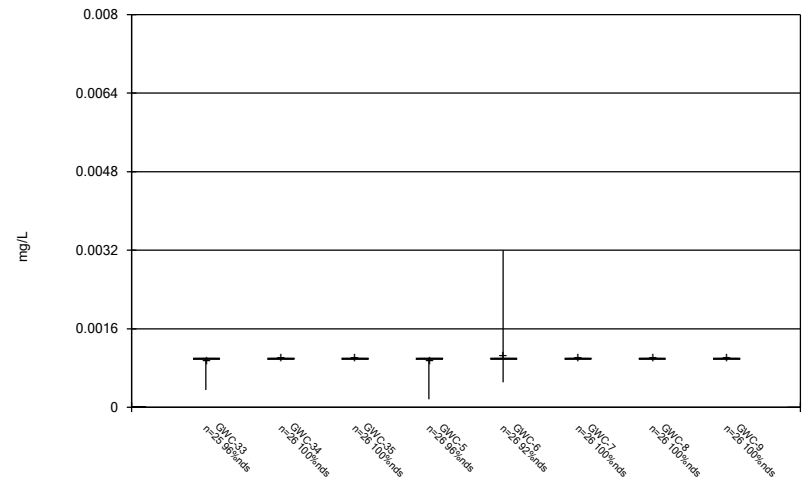
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Box & Whiskers Plot



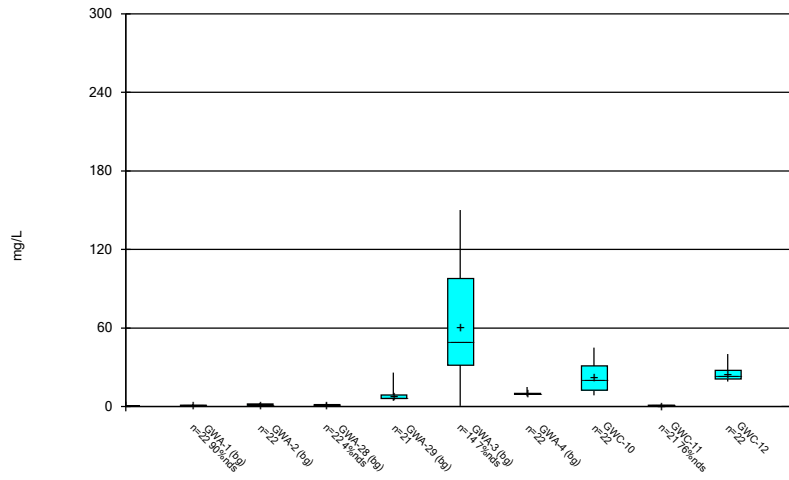
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Box & Whiskers Plot



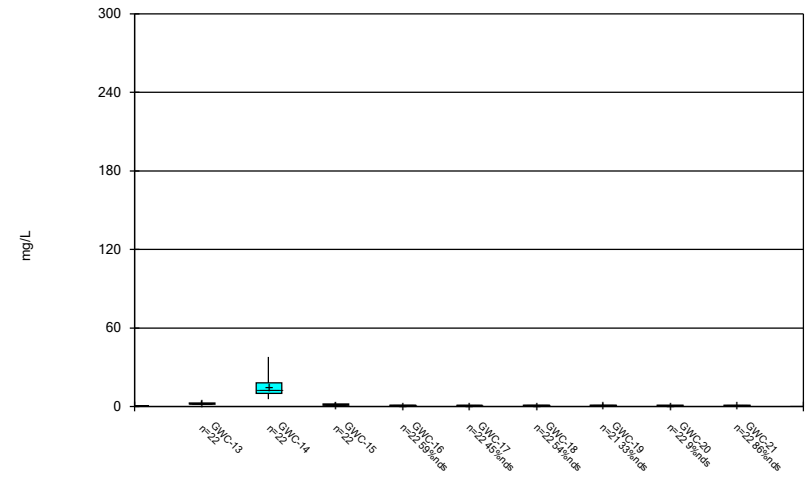
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Box & Whiskers Plot



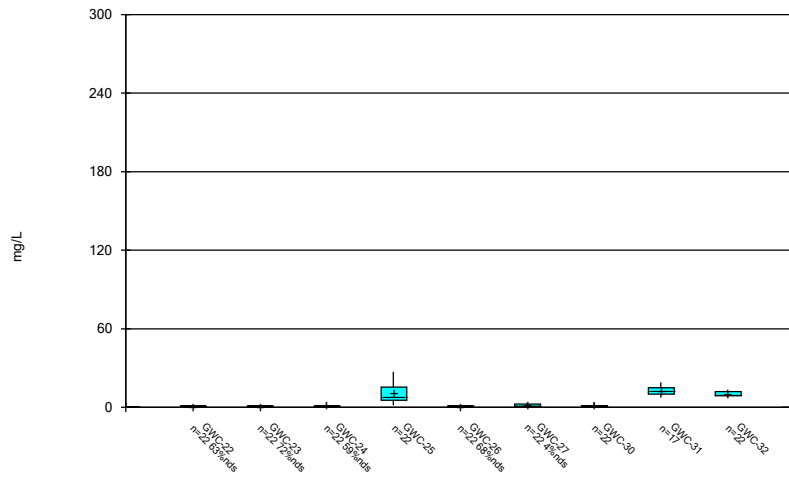
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Box & Whiskers Plot



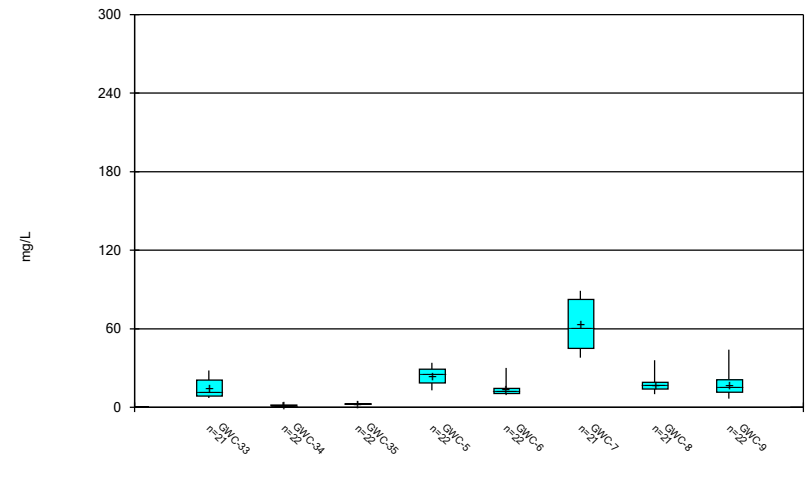
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Box & Whiskers Plot



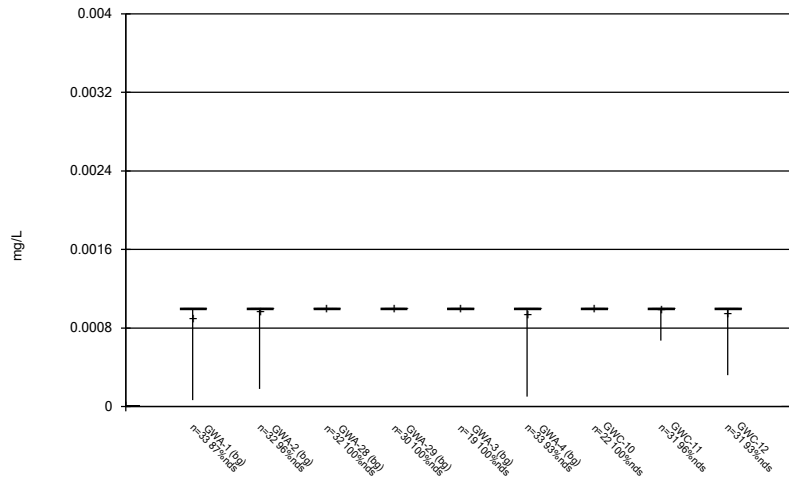
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Box & Whiskers Plot



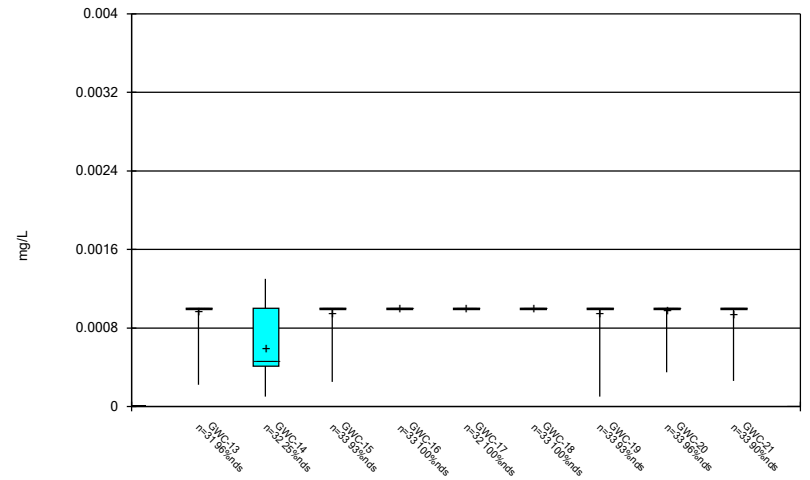
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 Plant Wansley Client: Southern Company Data: Wansley Landfill

Box & Whiskers Plot



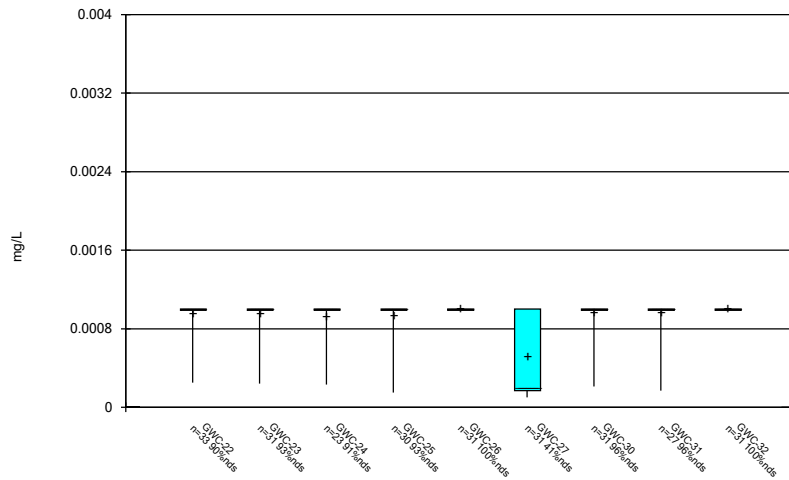
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Box & Whiskers Plot



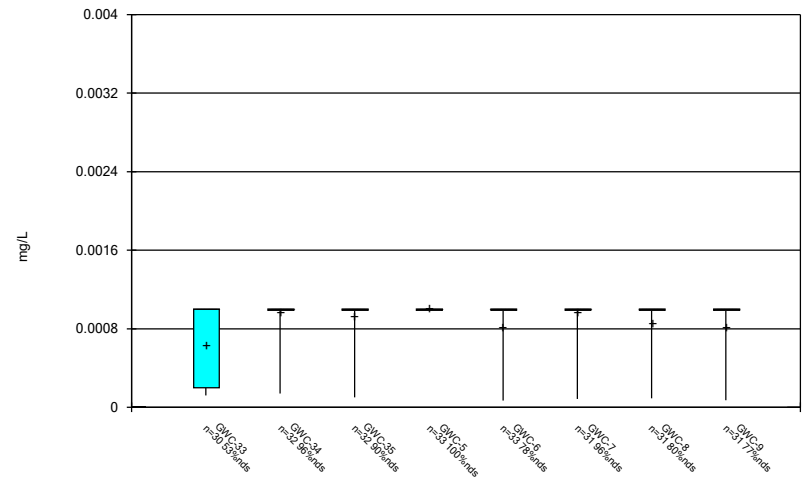
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Box & Whiskers Plot



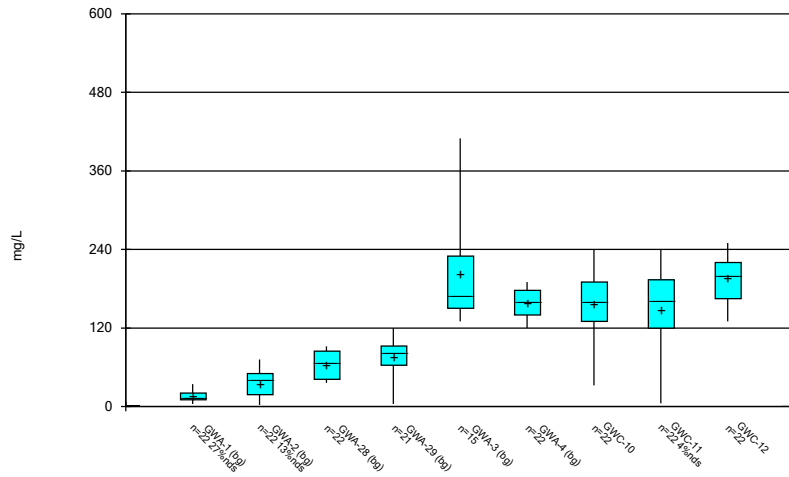
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Box & Whiskers Plot



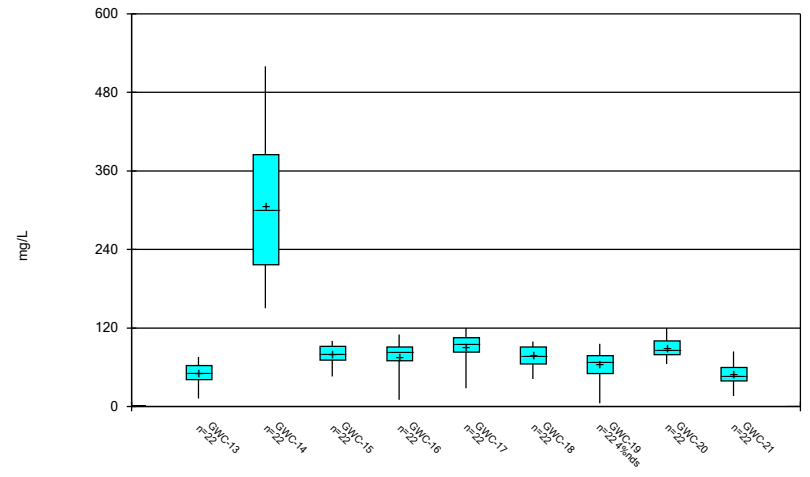
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### Box & Whiskers Plot



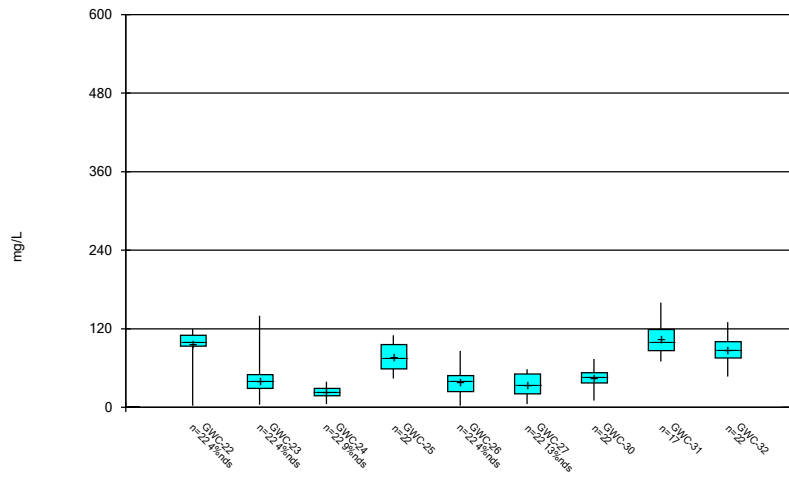
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Plant Wansley Client: Southern Company Data: Wansley Landfill

### Box & Whiskers Plot



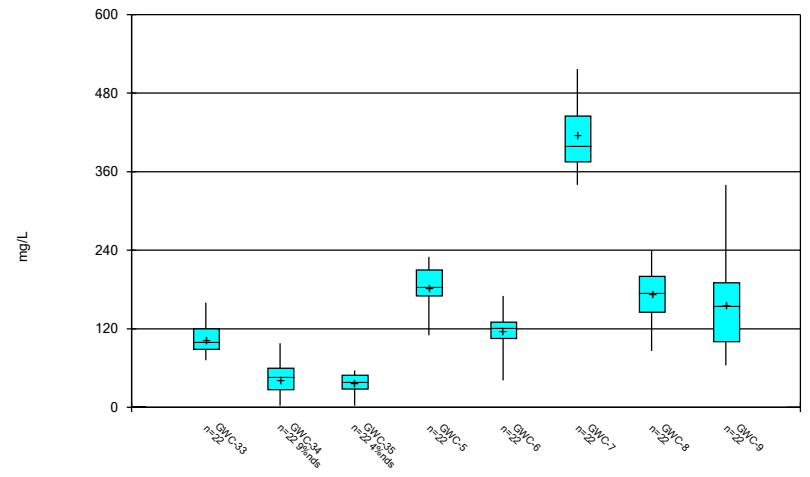
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### Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 3/29/2023 2:05 PM View: Descriptive  
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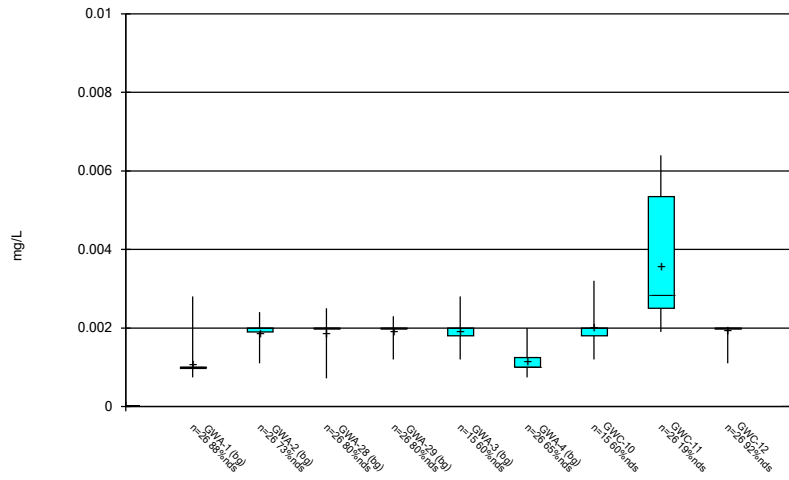
### Box & Whiskers Plot



Constituent: Total Dissolved Solids [TDS] Analysis Run 3/29/2023 2:05 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

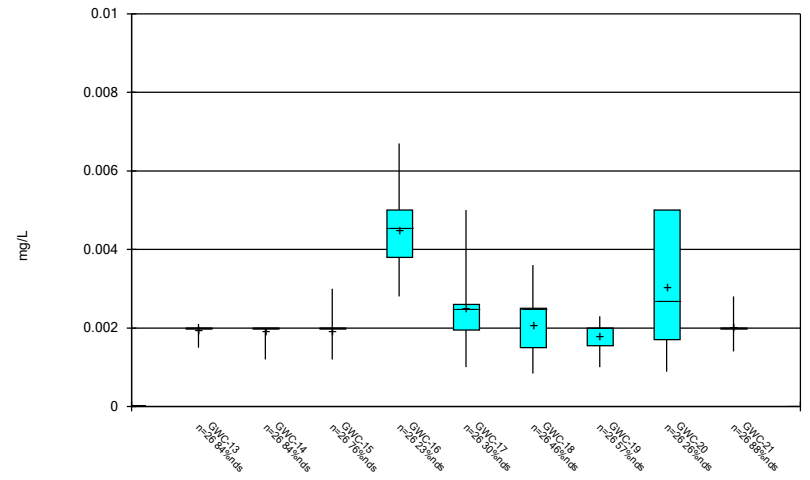


Box & Whiskers Plot



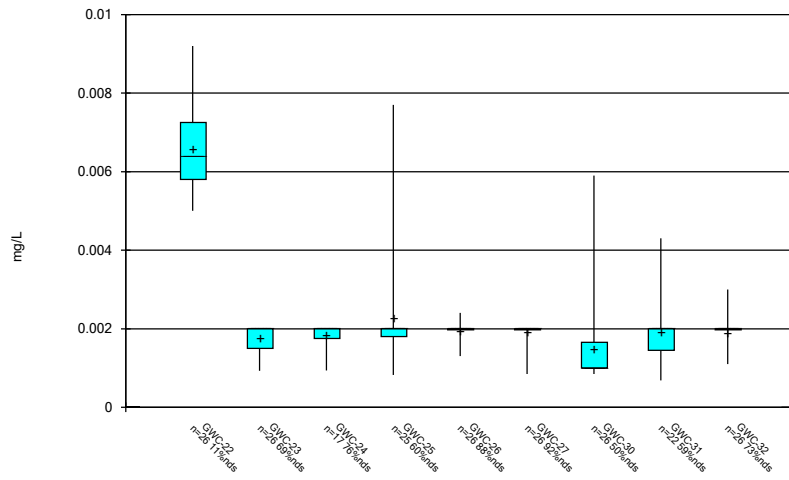
Constituent: Vanadium Analysis Run 3/29/2023 2:05 PM View: Descriptive  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Box & Whiskers Plot



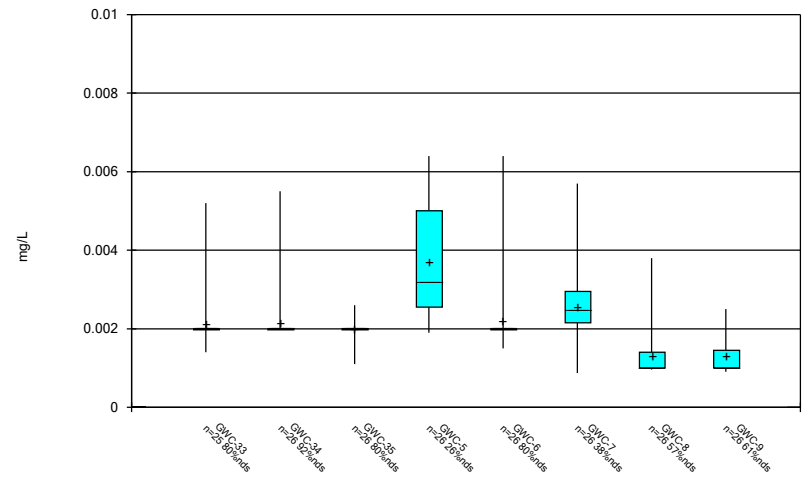
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Plant Wansley Client: Southern Company Data: Wansley Landfill

Box & Whiskers Plot



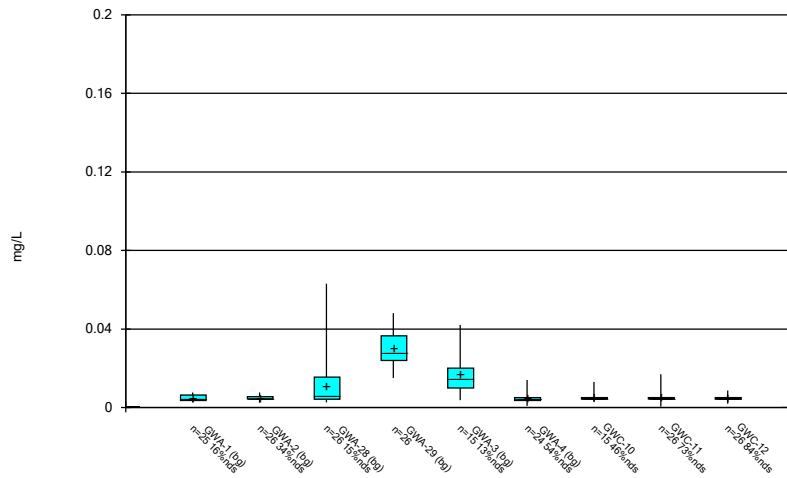
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Plant Wansley Client: Southern Company Data: Wansley Landfill

Box & Whiskers Plot



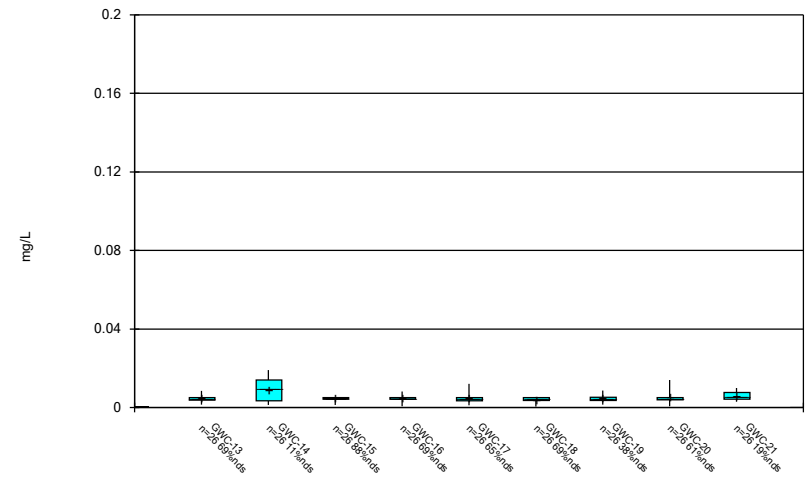
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Plant Wansley Client: Southern Company Data: Wansley Landfill

Box & Whiskers Plot



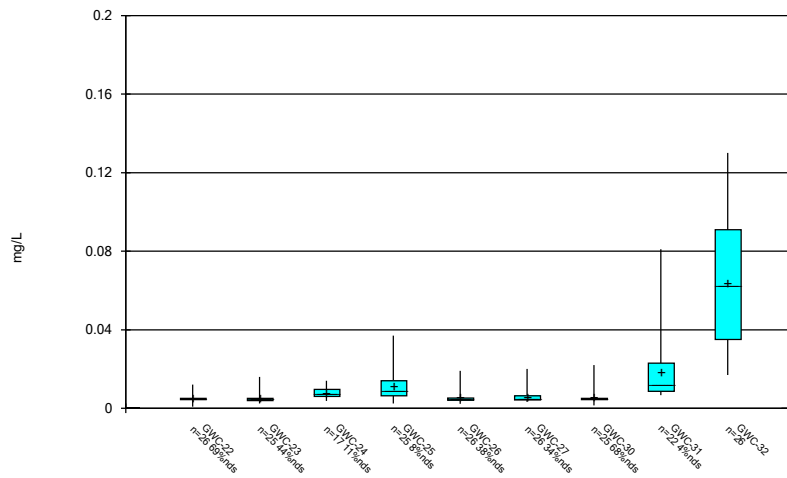
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 Plant Wansley Client: Southern Company Data: Wansley Landfill

Box & Whiskers Plot



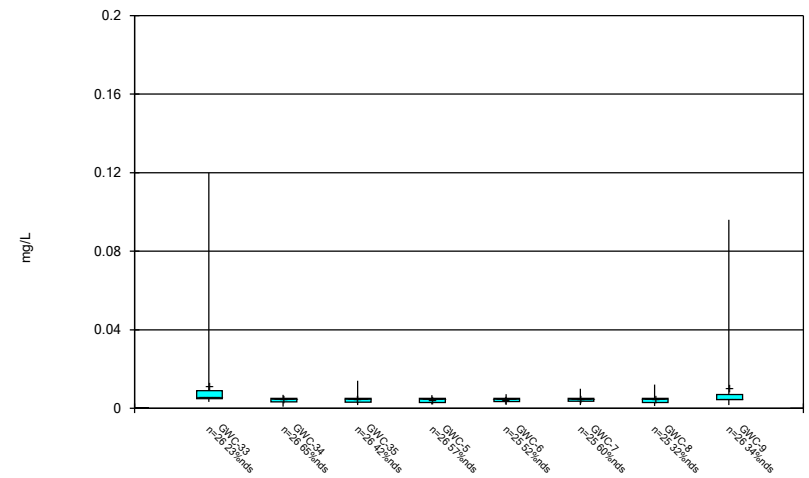
Constituent: Zinc Analysis Run 3/29/2023 2:05 PM View: Descriptive  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Box & Whiskers Plot



Constituent: Zinc Analysis Run 3/29/2023 2:05 PM View: Descriptive  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Box & Whiskers Plot



Constituent: Zinc Analysis Run 3/29/2023 2:05 PM View: Descriptive  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

FIGURE C.













# Outlier Summary

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 3/29/2023, 2:08 PM

GWC-30 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				

FIGURE D.

# Intrawell Prediction Limits (Appendix I) - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 4/3/2023, 9:54 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Barium (mg/L)	GWC-17	0.02006	n/a	2/20/2023	0.025	Yes	30	0.01619	0.001462	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-19	0.1462	n/a	2/21/2023	0.15	Yes	30	0.06883	0.02923	3.333	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-34	0.0143	n/a	2/20/2023	0.015	Yes	29	0.0114	0.001086	0	None	No	0.0001135	Param Intra 1 of 2
Barium (mg/L)	GWC-35	0.02298	n/a	2/20/2023	0.031	Yes	30	0.02009	0.001091	0	None	No	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWC-19	0.0011	n/a	2/21/2023	0.0014	Yes	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-22	0.0068	n/a	2/14/2023	0.012	Yes	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-9	0.0094	n/a	2/15/2023	0.015	Yes	22	n/a	n/a	40.91	n/a	n/a	0.003707	NP Intra (normality) 1 of 2













# Intrawell Prediction Limits (Appendix I) - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 4/3/2023, 9:54 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-12	0.0002	n/a	2/15/2023	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	2/21/2023	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	2/17/2023	0.0002ND	No	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	2/21/2023	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	2/20/2023	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	2/20/2023	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	2/20/2023	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	2/21/2023	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	2/22/2023	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	2/21/2023	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	2/14/2023	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	2/21/2023	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	2/16/2023	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	2/21/2023	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	2/21/2023	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	2/20/2023	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	2/14/2023	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	2/22/2023	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	2/15/2023	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	2/20/2023	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	2/20/2023	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	2/20/2023	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	2/20/2023	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	2/20/2023	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	2/21/2023	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	2/15/2023	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	2/15/2023	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	2/14/2023	0.00071J	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	2/14/2023	0.00046J	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	2/14/2023	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	0.00641	n/a	2/13/2023	0.00079J	No	23	0.002698	0.001332	13.04	None	No	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWA-3	0.007682	n/a	2/14/2023	0.00099J	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	2/14/2023	0.00071J	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	2/15/2023	0.0012	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	2/21/2023	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	2/15/2023	0.00099J	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	2/21/2023	0.00051J	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	2/17/2023	0.019	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	2/21/2023	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	2/20/2023	0.00062J	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	2/20/2023	0.00057J	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	2/20/2023	0.0005J	No	23	n/a	n/a	91.3	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
<b>Nickel (mg/L)</b>	<b>GWC-19</b>	<b>0.0011</b>	<b>n/a</b>	<b>2/21/2023</b>	<b>0.0014</b>	<b>Yes</b>	<b>23</b>	<b>n/a</b>	<b>n/a</b>	<b>69.57</b>	<b>n/a</b>	<b>n/a</b>	<b>0.003415</b>	<b>NP Intra (NDs) 1 of 2</b>
Nickel (mg/L)	GWC-20	0.001	n/a	2/22/2023	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	2/21/2023	0.001ND	No	23	n/a	n/a	69.57	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Nickel (mg/L)	GWC-22	0.001	n/a	2/14/2023	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	2/21/2023	0.00062J	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	0.004273	n/a	2/16/2023	0.0014	No	12	0.002179	0.0006125	8.333	None	No	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWC-25	0.03202	n/a	2/21/2023	0.0039	No	22	0.1759	0.05031	22.73	Kaplan-Meier	x <sup>2</sup> (1/3)	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWC-26	0.0031	n/a	2/21/2023	0.00078J	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	2/20/2023	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	2/22/2023	0.00047J	No	19	0.1311	0.04175	15.79	Kaplan-Meier	x <sup>2</sup> (1/3)	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWC-32	0.0018	n/a	2/15/2023	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	2/20/2023	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	2/20/2023	0.00077J	No	22	n/a	n/a	63.64	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 4/3/2023, 9:54 AM

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-35	0.005294	n/a	2/20/2023	0.0012	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	2/20/2023	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	0.009695	n/a	2/20/2023	0.0057	No	23	0.004893	0.001723	4.348	None	No	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWC-7	0.02347	n/a	2/21/2023	0.0079	No	23	0.009446	0.005033	17.39	Kaplan-Meier	No	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWC-8	0.005502	n/a	2/15/2023	0.001	No	22	0.04867	0.00906	27.27	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
Nickel (mg/L)	GWC-9	0.02057	n/a	2/15/2023	0.0088	No	21	0.009969	0.00373	4.762	None	No	0.0001135	Param Intra 1 of 2
Selenium (mg/L)	GWA-1	0.005	n/a	2/14/2023	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-2	0.005	n/a	2/14/2023	0.005ND	No	30	n/a	n/a	100	n/a	n/a	0.002008	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-28	0.005	n/a	2/14/2023	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	2/13/2023	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-3	0.005	n/a	2/14/2023	0.005ND	No	16	n/a	n/a	100	n/a	n/a	0.006456	NP Intra (NDs) 1 of 2
Selenium (mg/L)	GWA-4	0.005	n/a	2/14/2023	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	2/21/2023	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	2/15/2023	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	2/21/2023	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	2/17/2023	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	2/21/2023	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	2/20/2023	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	2/20/2023	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	2/21/2023	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	2/14/2023	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	2/21/2023	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	2/21/2023	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	2/20/2023	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	2/14/2023	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	2/22/2023	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	2/15/2023	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	2/20/2023	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	2/20/2023	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	2/20/2023	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	2/20/2023	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	2/15/2023	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	2/15/2023	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-1	0.001	n/a	2/14/2023	0.001ND	No	23	n/a	n/a	100	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-2	0.001	n/a	2/14/2023	0.001ND	No	23	n/a	n/a	100	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-28	0.001	n/a	2/14/2023	0.001ND	No	23	n/a	n/a	100	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-29	0.002547	n/a	2/13/2023	0.0011	No	23	0.03184	0.006681	26.09	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
Silver (mg/L)	GWA-3	0.001	n/a	2/14/2023	0.001ND	No	10	n/a	n/a	100	n/a	n/a	0.01476	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWA-4	0.001	n/a	2/14/2023	0.001ND	No	23	n/a	n/a	100	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Silver (mg/L)	GWC-11	0.001	n/a	2/21/2023	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	2/15/2023	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	2/17/2023	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	2/20/2023	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	2/20/2023	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	2/21/2023	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	2/14/2023	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	2/21/2023	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-24	0.001	n/a	2/16/2023	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	2/21/2023	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	2/21/2023	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	2/20/2023	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	2/22/2023	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	2/15/2023	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	2/20/2023	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	2/20/2023	0.001ND	No	23	n/a	n/a	95.65	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2



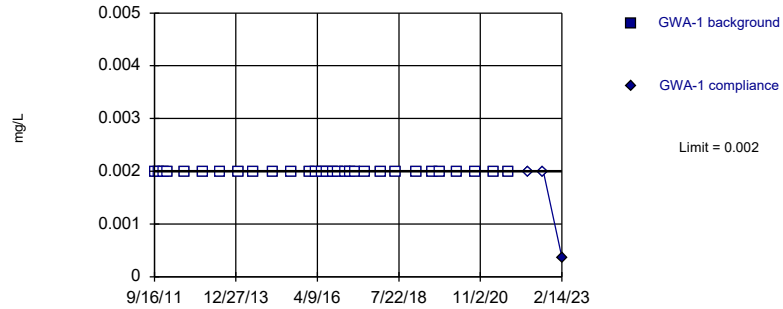
# Intrawell Prediction Limits (Appendix I) - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 4/3/2023, 9:54 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Vanadium (mg/L)	GWC-32	0.003	n/a	2/15/2023	0.002ND	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	2/20/2023	0.002ND	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	2/20/2023	0.002ND	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	2/20/2023	0.002ND	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	2/20/2023	0.0029	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	2/20/2023	0.002ND	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	0.005799	n/a	2/21/2023	0.0029	No	23	0.04317	0.01183	43.48	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
Vanadium (mg/L)	GWC-8	0.0038	n/a	2/15/2023	0.00096J	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	2/15/2023	0.0009J	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	2/14/2023	0.0048J	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	2/14/2023	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	2/14/2023	0.014	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	2/13/2023	0.025	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	2/14/2023	0.017	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	2/14/2023	0.0029J	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	2/15/2023	0.0047J	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	2/21/2023	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	2/15/2023	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	2/21/2023	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	2/17/2023	0.015	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	2/21/2023	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	2/20/2023	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	2/20/2023	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	2/20/2023	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	0.008939	n/a	2/21/2023	0.0072	No	23	0.003781	0.00185	39.13	Kaplan-Meier	No	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	GWC-20	0.014	n/a	2/22/2023	0.0035J	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	0.01249	n/a	2/21/2023	0.0038J	No	23	0.0726	0.01405	21.74	Kaplan-Meier	sqrt(x)	0.0001135	Param Intra 1 of 2
<b>Zinc (mg/L)</b>	<b>GWC-22</b>	<b>0.0068</b>	<b>n/a</b>	<b>2/14/2023</b>	<b>0.012</b>	<b>Yes</b>	<b>23</b>	<b>n/a</b>	<b>n/a</b>	<b>69.57</b>	<b>n/a</b>	<b>n/a</b>	<b>0.003415</b>	<b>NP Intra (NDs) 1 of 2</b>
Zinc (mg/L)	GWC-23	0.007616	n/a	2/21/2023	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	0.01319	n/a	2/16/2023	0.0059	No	12	0.00729	0.001726	16.67	Kaplan-Meier	No	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	GWC-25	0.043	n/a	2/21/2023	0.0069	No	22	0.1011	0.03777	4.545	None	sqrt(x)	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	GWC-26	0.019	n/a	2/21/2023	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	2/20/2023	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	2/14/2023	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	0.1068	n/a	2/22/2023	0.011	No	19	-4.2	0.6733	5.263	None	ln(x)	0.0001135	Param Intra 1 of 2
Zinc (mg/L)	GWC-32	0.1507	n/a	2/15/2023	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	2/20/2023	0.0038J	No	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	2/20/2023	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	2/20/2023	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	2/20/2023	0.0033J	No	23	n/a	n/a	60.87	n/a	n/a	0.003415	NP Intra (NDs) 1 of 2
Zinc (mg/L)	GWC-6	0.0071	n/a	2/20/2023	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	2/21/2023	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	2/15/2023	0.0029J	No	22	0.00357	0.002065	36.36	Kaplan-Meier	No	0.0001135	Param Intra 1 of 2
<b>Zinc (mg/L)</b>	<b>GWC-9</b>	<b>0.0094</b>	<b>n/a</b>	<b>2/15/2023</b>	<b>0.015</b>	<b>Yes</b>	<b>22</b>	<b>n/a</b>	<b>n/a</b>	<b>40.91</b>	<b>n/a</b>	<b>n/a</b>	<b>0.003707</b>	<b>NP Intra (normality) 1 of 2</b>

Within Limit

Prediction Limit  
Intrawell Non-parametric

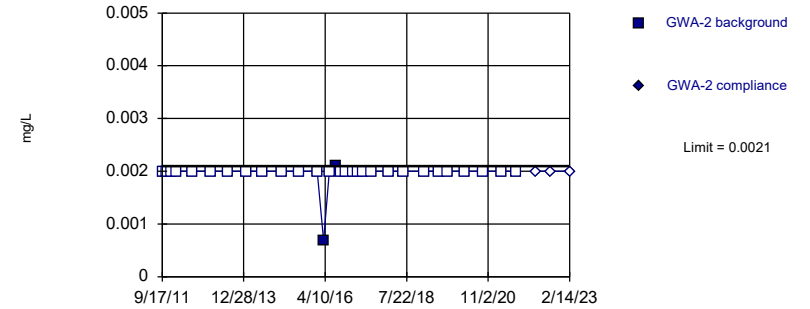


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 30) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Antimony Analysis Run 4/3/2023 9:38 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

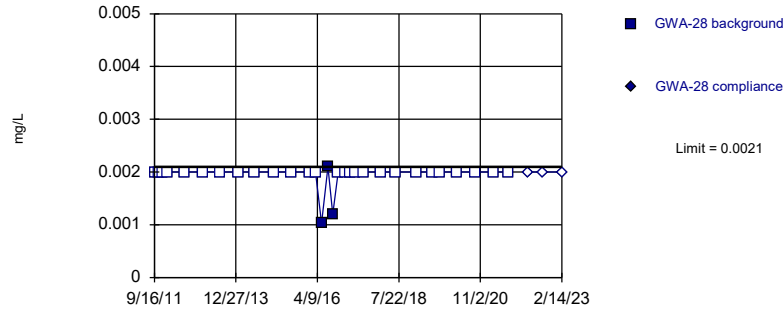


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Antimony Analysis Run 4/3/2023 9:38 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

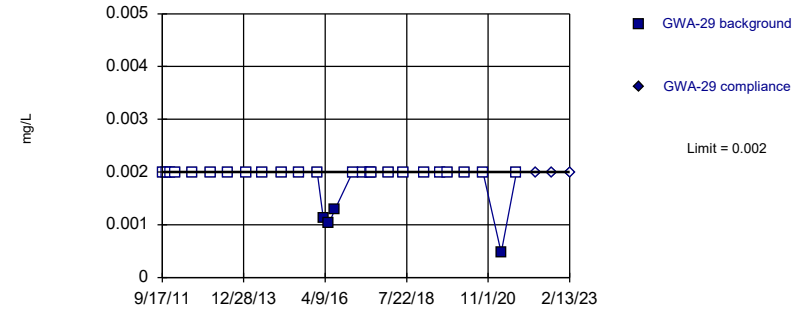


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 90% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Antimony Analysis Run 4/3/2023 9:38 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

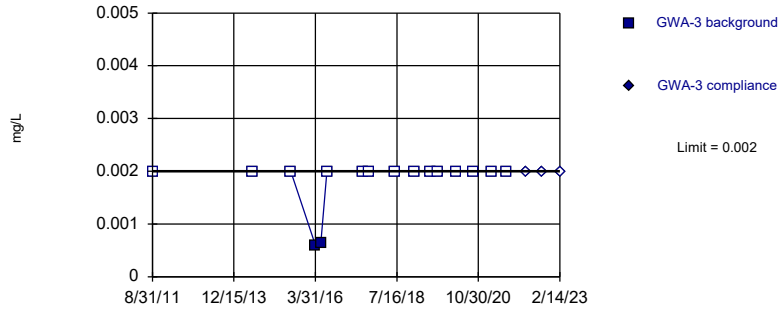


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 85.71% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Antimony Analysis Run 4/3/2023 9:38 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

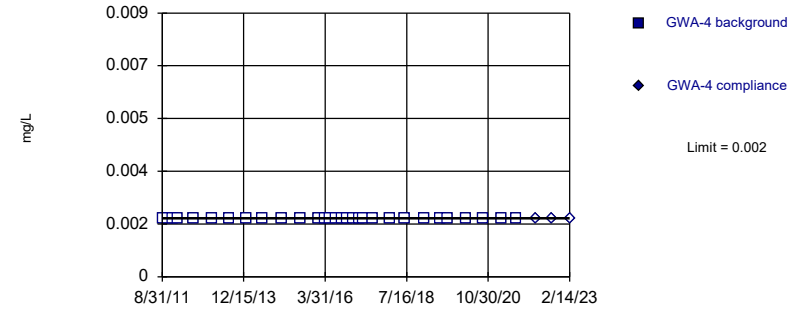


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 87.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Antimony Analysis Run 4/3/2023 9:38 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

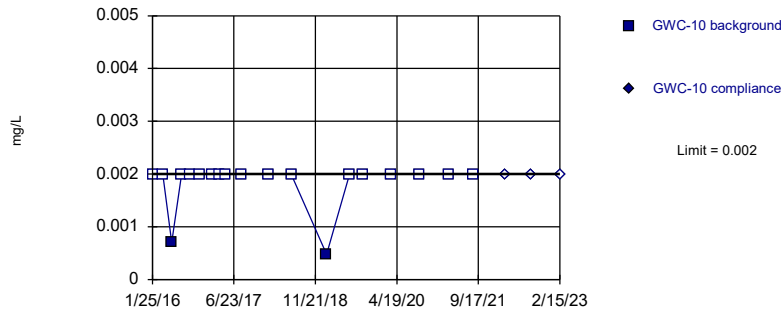


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 30) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Antimony Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

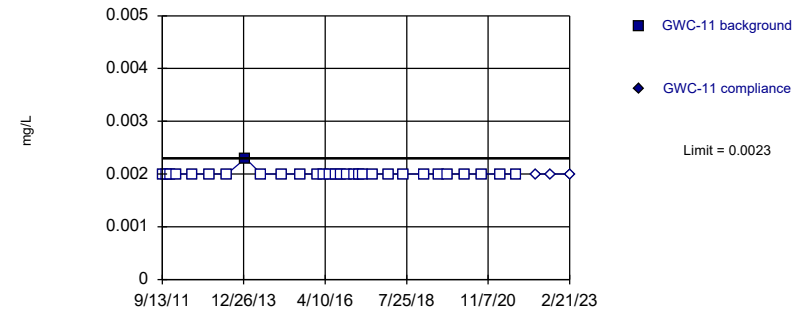


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Antimony Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

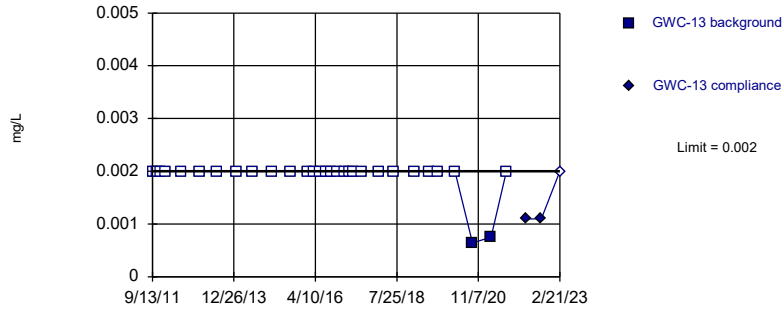


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Antimony Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

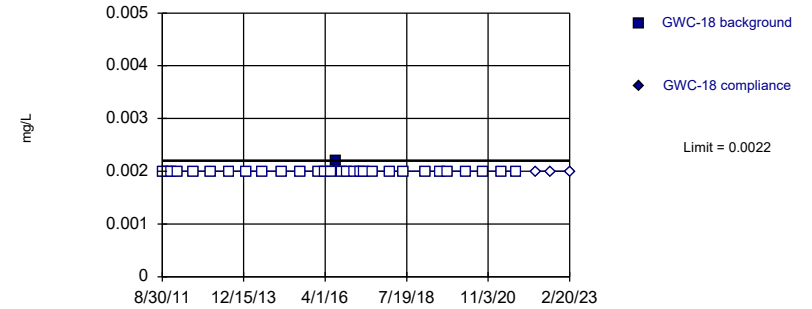


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Antimony Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

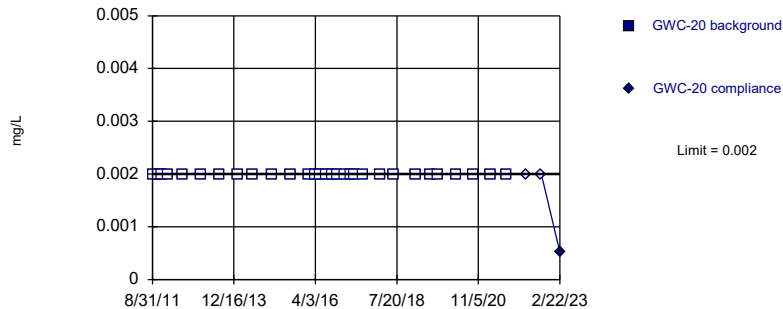


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Antimony Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

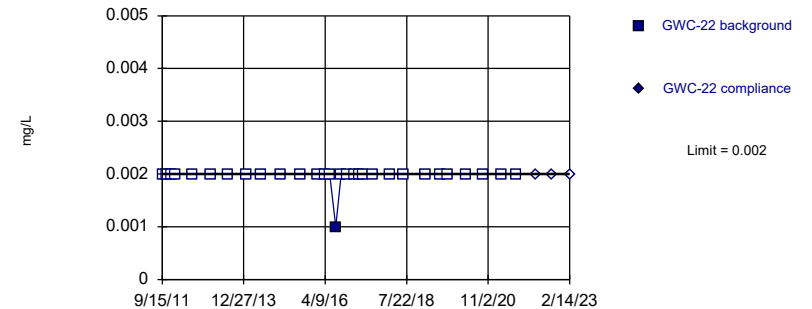


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 30) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Antimony Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

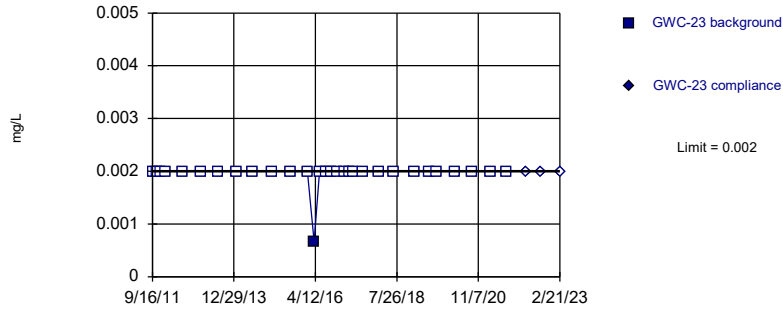


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Antimony Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

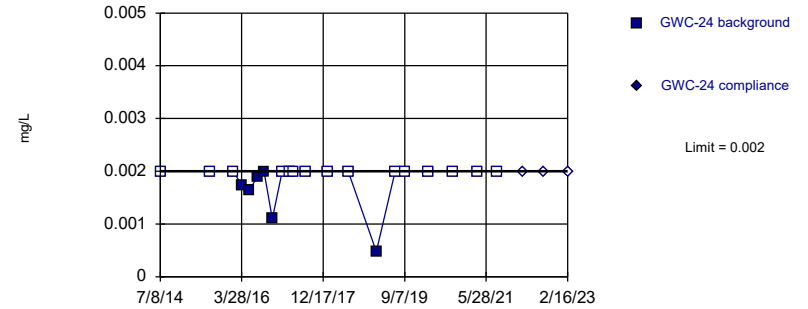


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Antimony Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

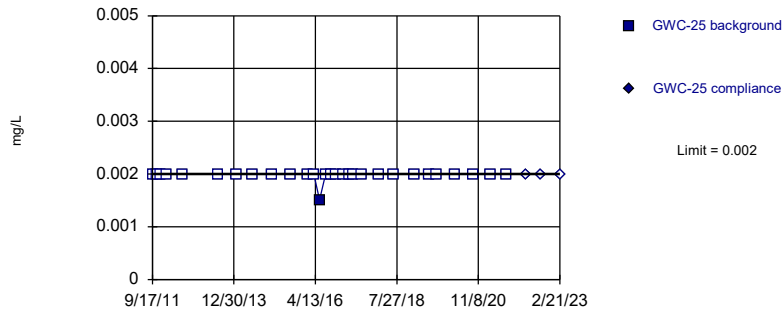


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Antimony Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

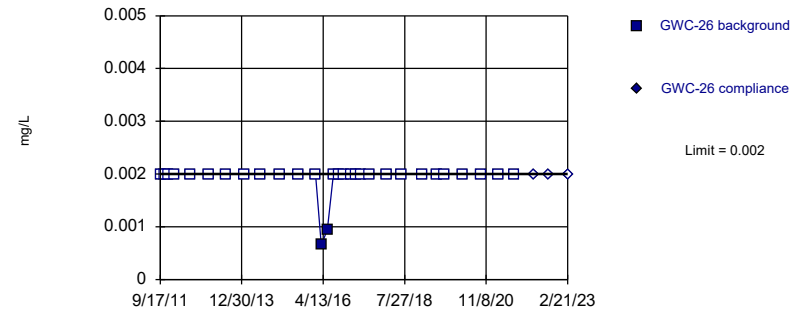


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Antimony Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric



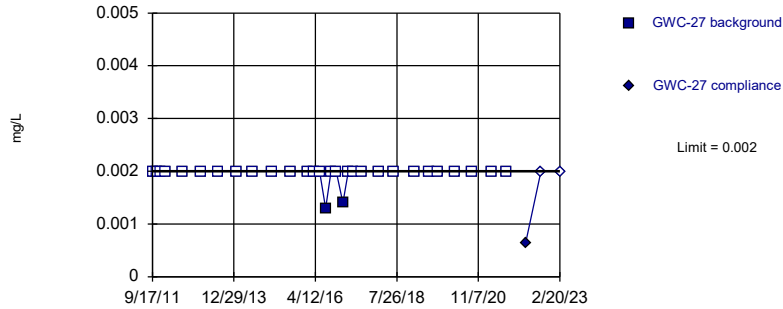
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Antimony Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill



Within Limit

Prediction Limit  
Intrawell Non-parametric

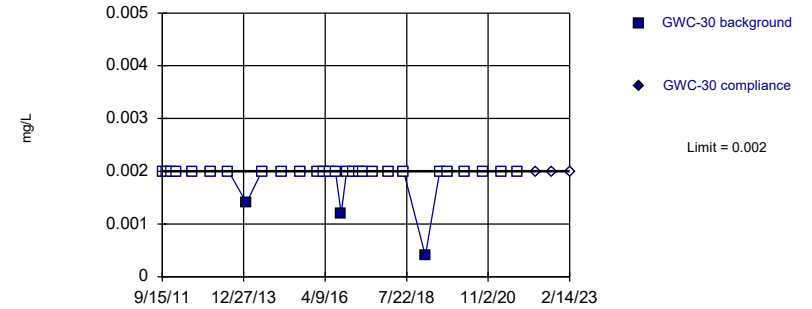


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Antimony Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

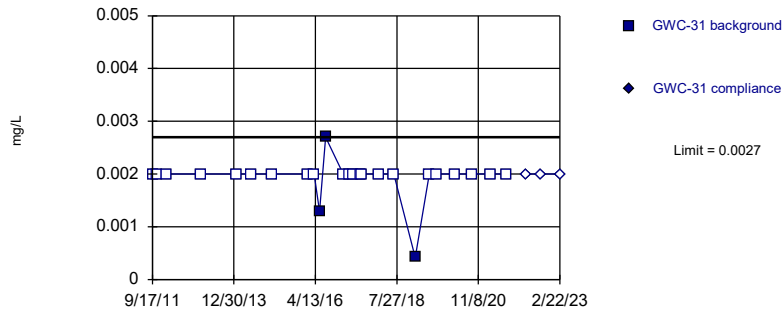


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 90% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Antimony Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

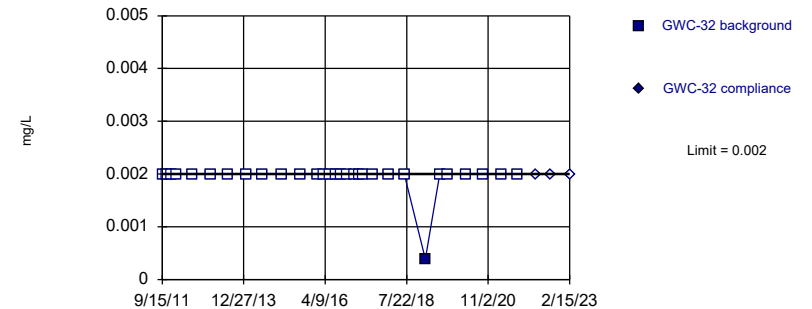


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 88% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Antimony Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

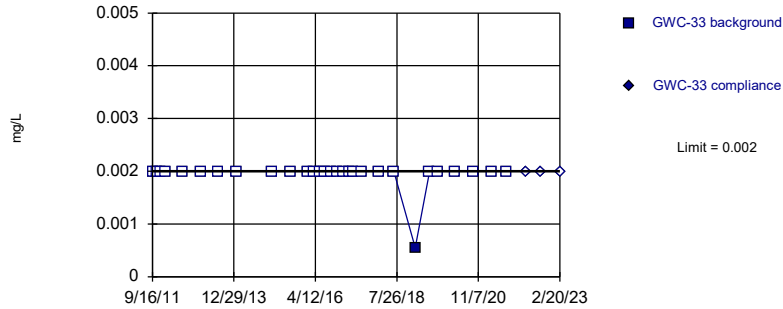


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Antimony Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

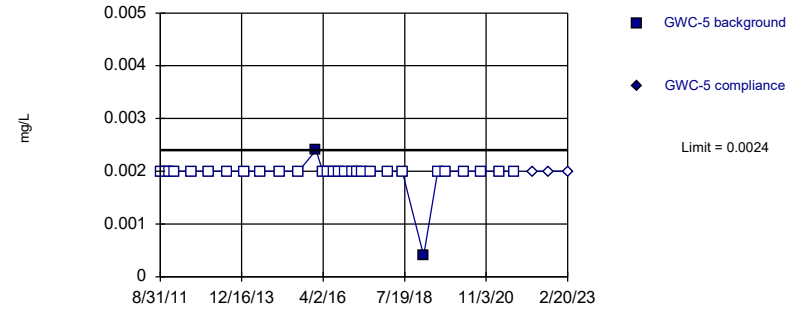


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Antimony Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

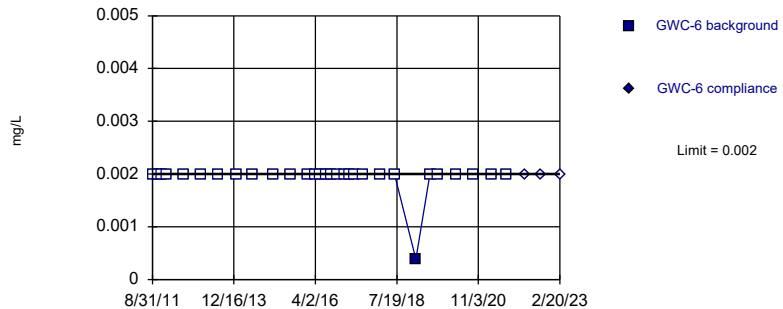


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Antimony Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

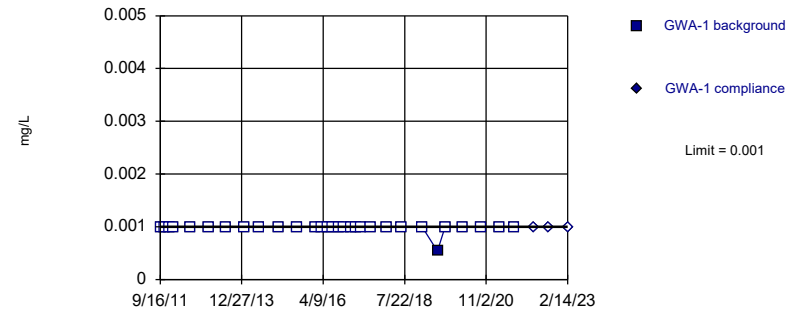


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Antimony Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

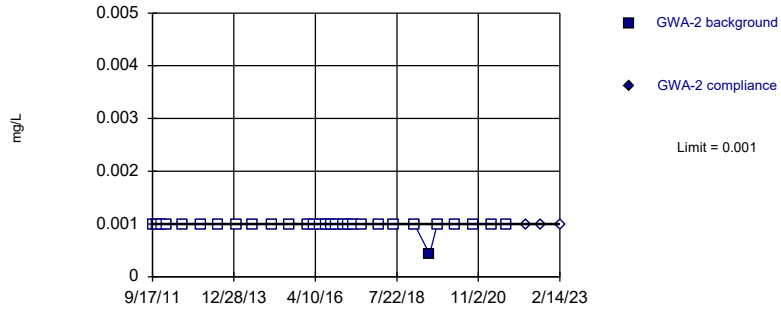


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

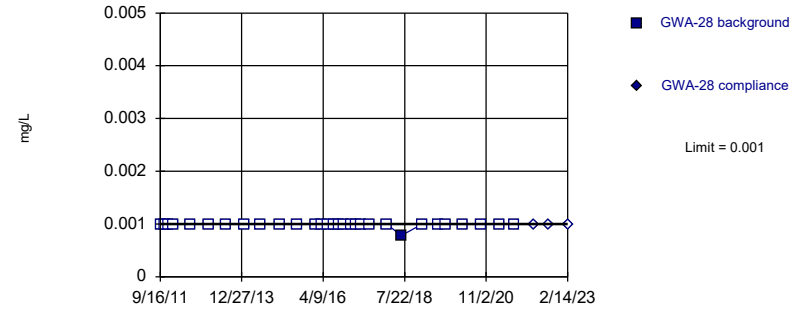


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

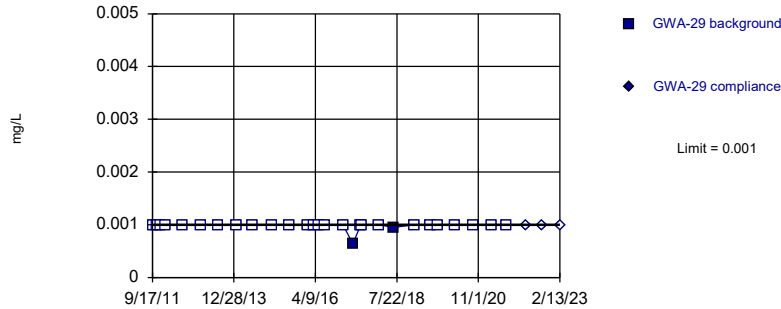


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

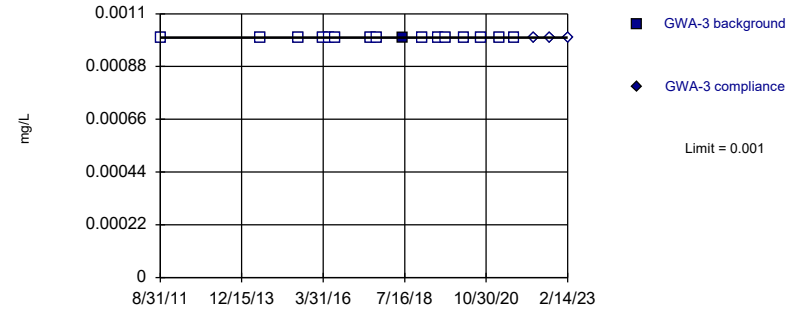


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Arsenic Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

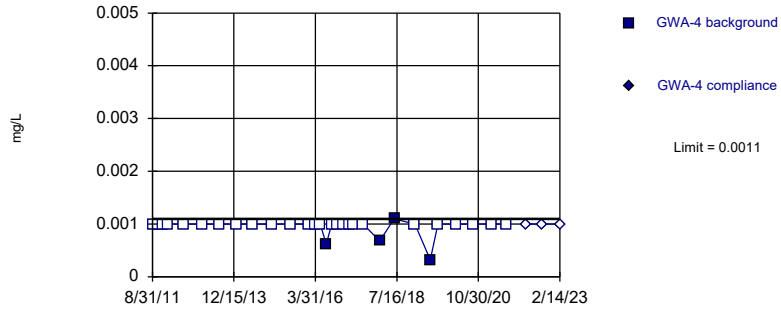


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Arsenic Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

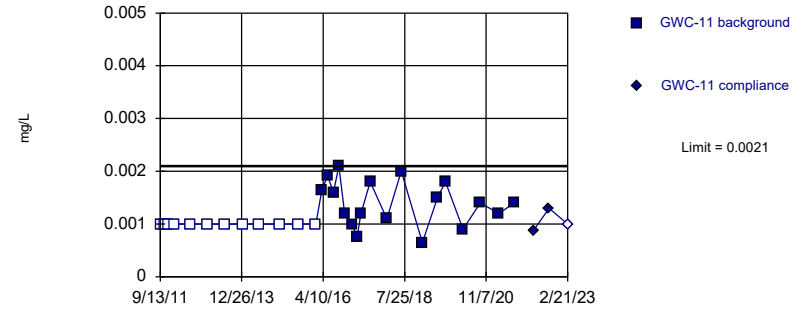


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

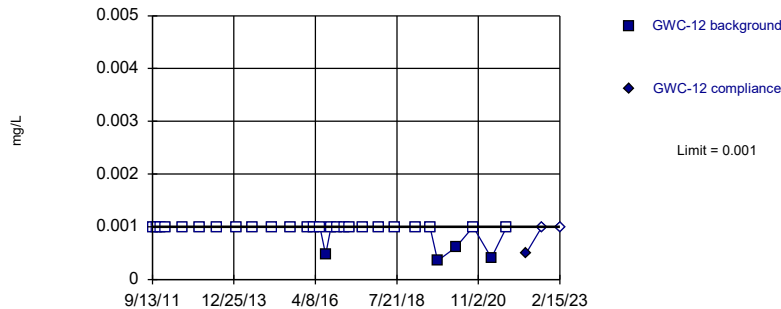


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 30 background values. 40% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

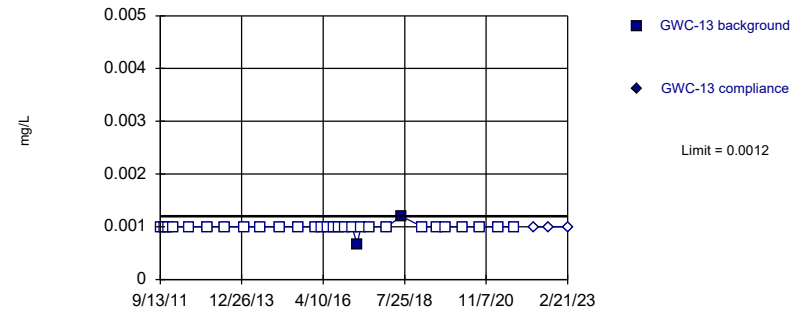


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 86.21% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Arsenic Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

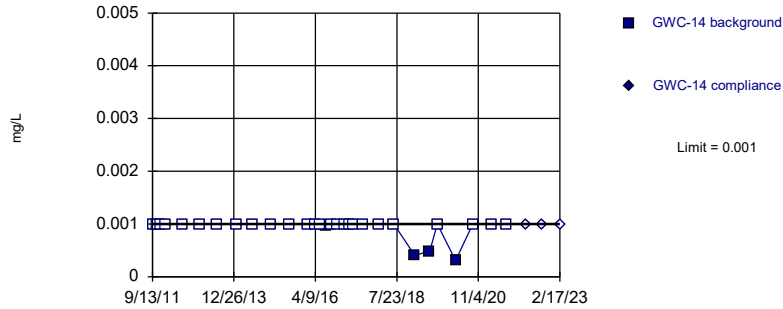


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

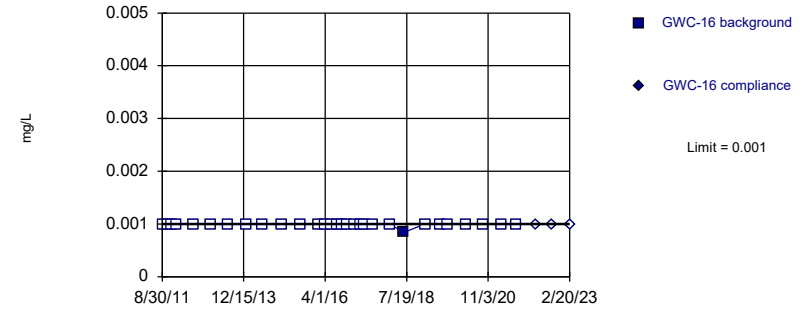


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

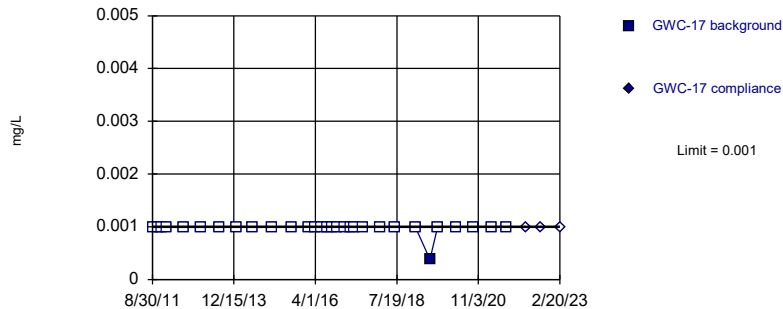


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

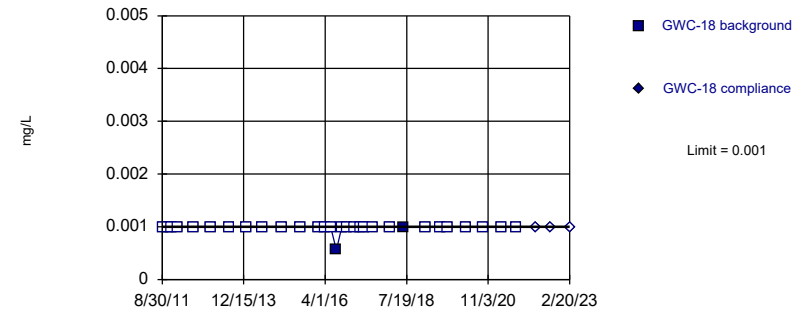


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

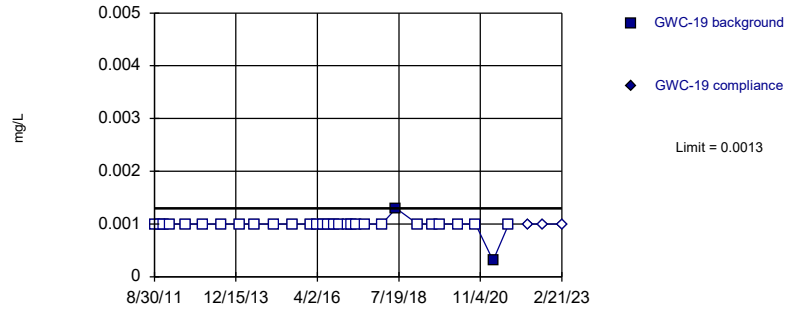


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

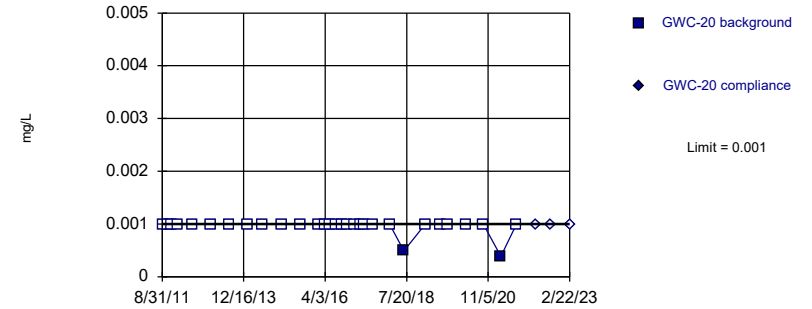


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

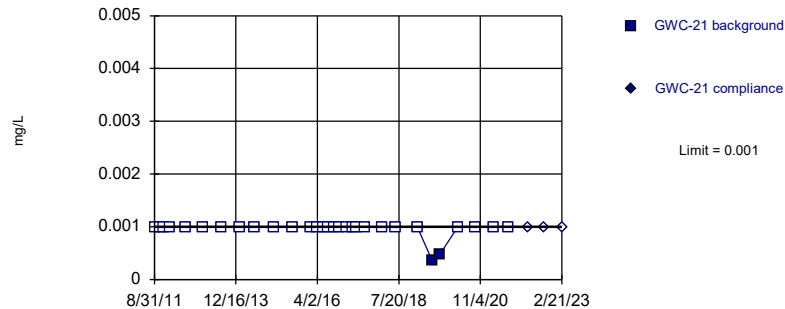


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

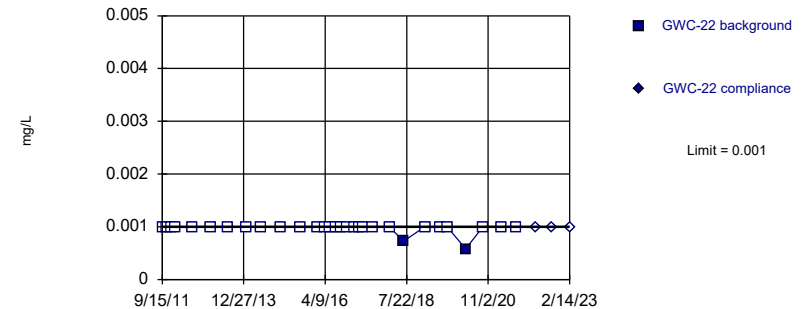


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

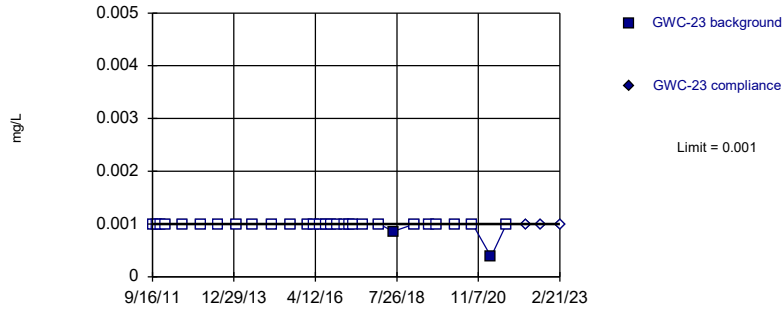


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

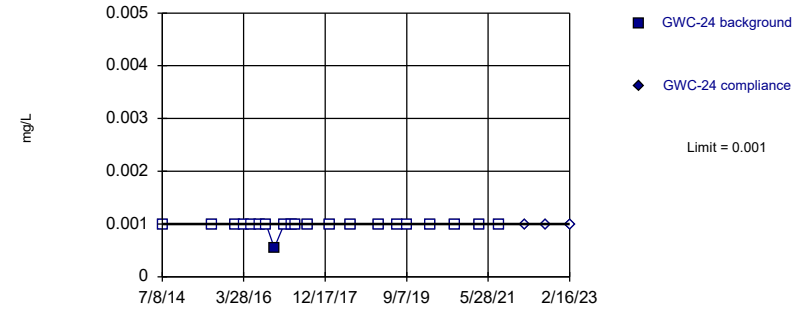


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

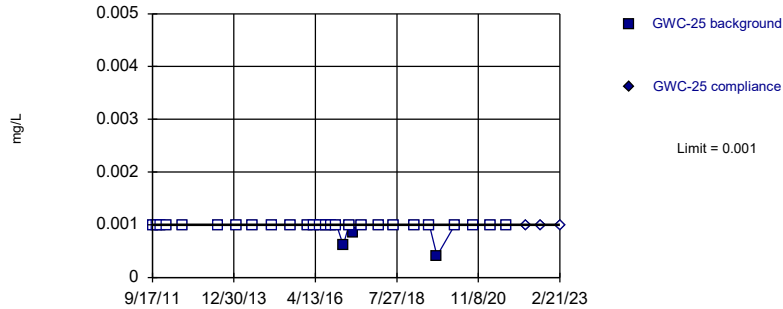


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Arsenic Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

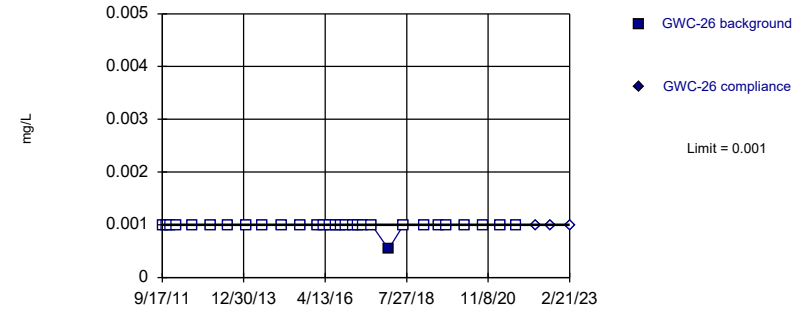


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Arsenic Analysis Run 4/3/2023 9:39 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

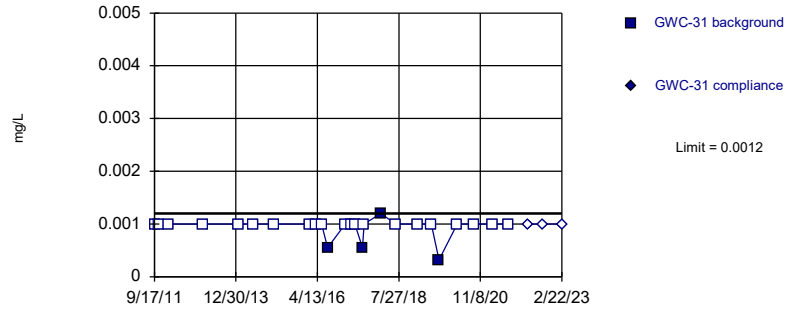


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 4/3/2023 9:40 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

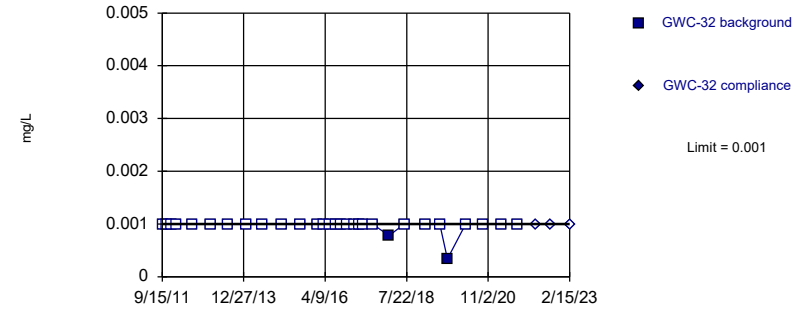


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 84% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Arsenic Analysis Run 4/3/2023 9:40 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

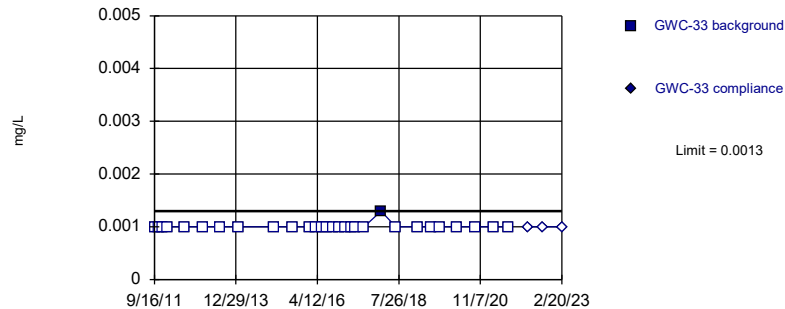


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 4/3/2023 9:40 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

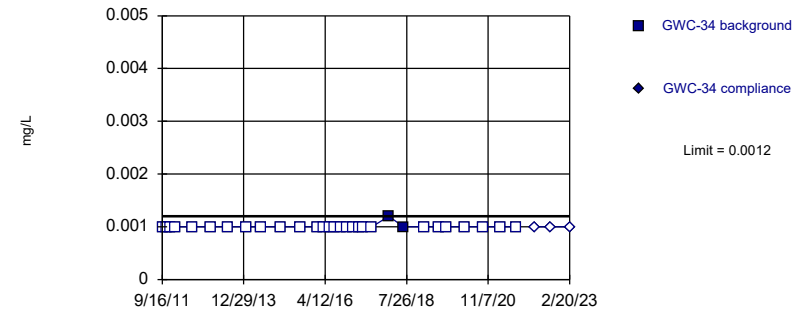


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Arsenic Analysis Run 4/3/2023 9:40 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric



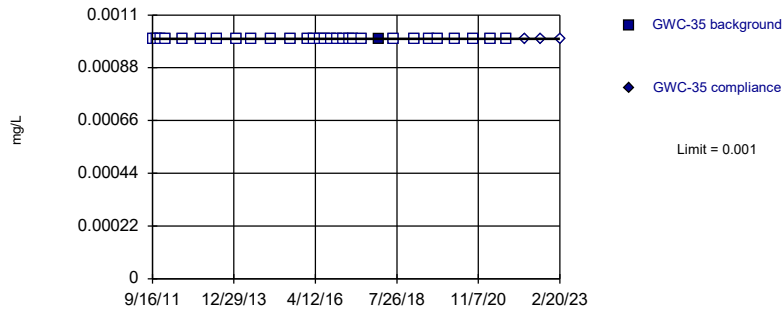
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 4/3/2023 9:40 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill



Within Limit

Prediction Limit  
Intrawell Non-parametric

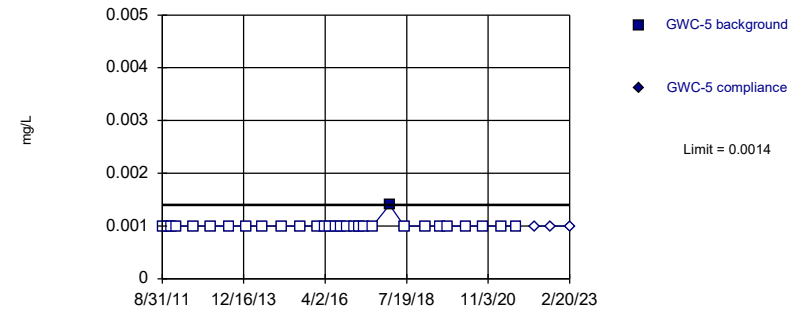


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 4/3/2023 9:40 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

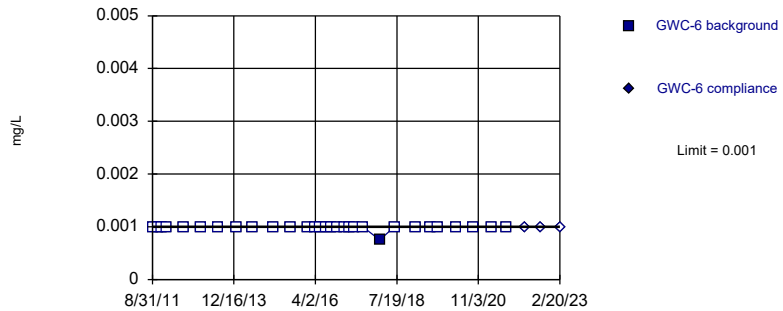


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 4/3/2023 9:40 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

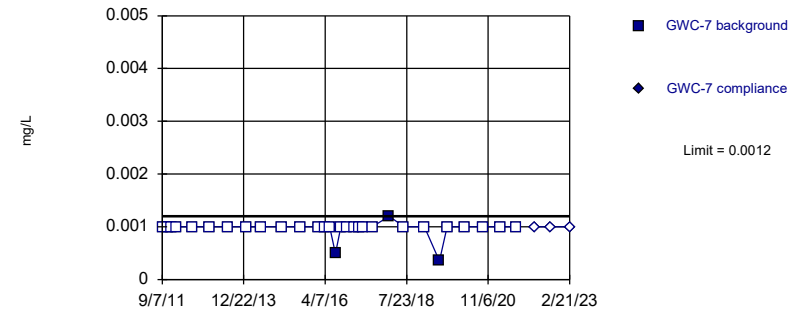


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 4/3/2023 9:40 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

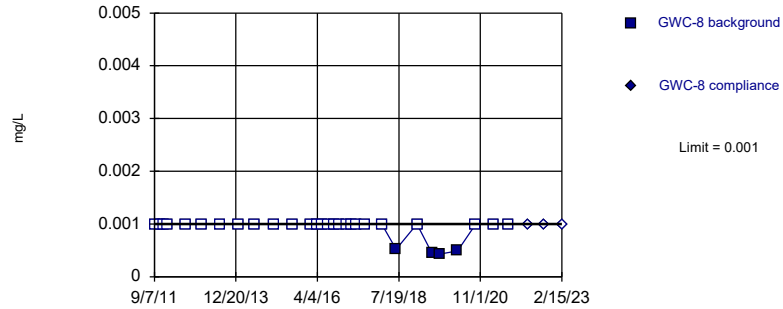


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 90% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 4/3/2023 9:40 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

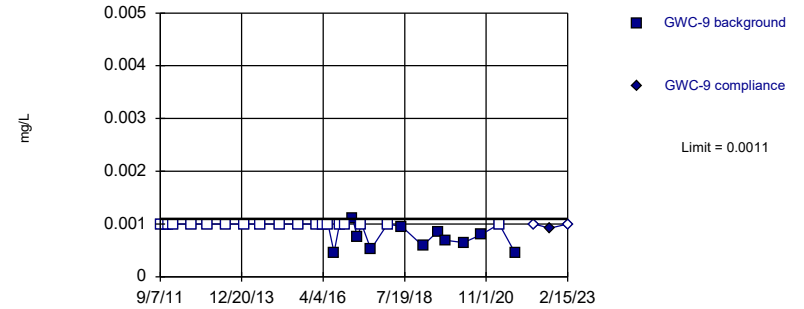


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 4/3/2023 9:40 AM View: PLs - App I  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

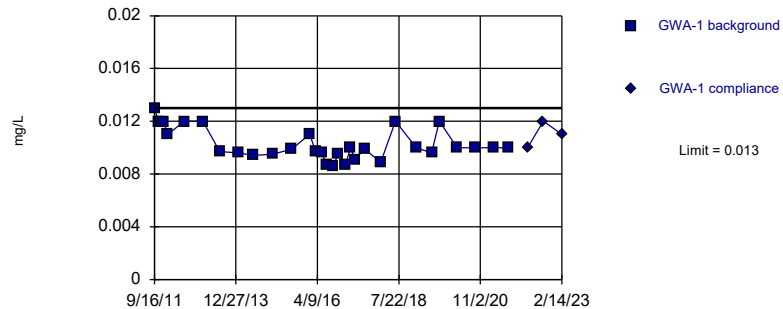


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 63.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Arsenic Analysis Run 4/3/2023 9:40 AM View: PLs - App I  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

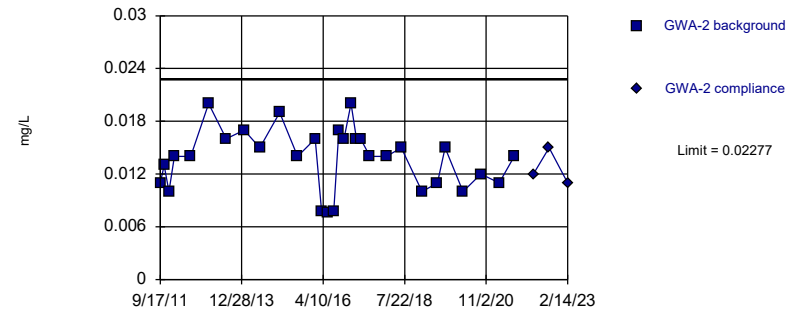


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 30 background values. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Barium Analysis Run 4/3/2023 9:40 AM View: PLs - App I  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
 Intrawell Parametric

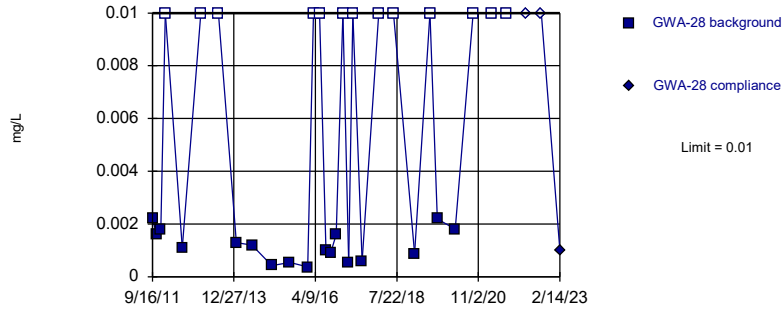


Background Data Summary: Mean=0.01377, Std. Dev.=0.003399, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9532, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 4/3/2023 9:40 AM View: PLs - App I  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

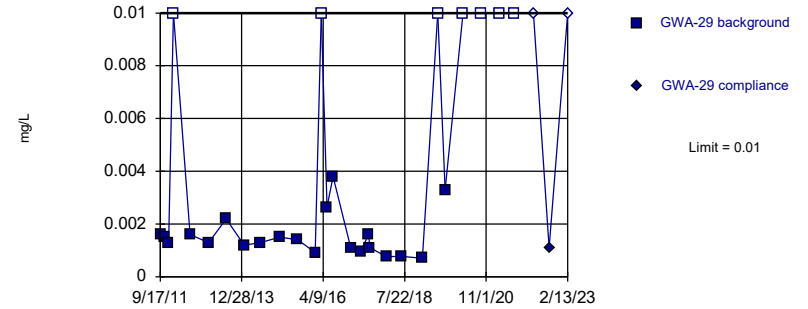


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 30 background values. 43.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Barium Analysis Run 4/3/2023 9:40 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

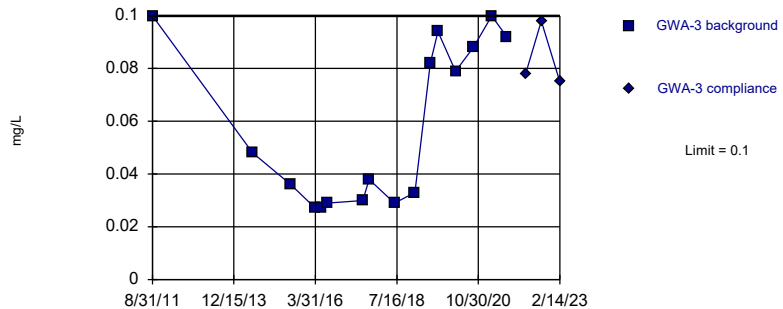


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 25% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Barium Analysis Run 4/3/2023 9:40 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

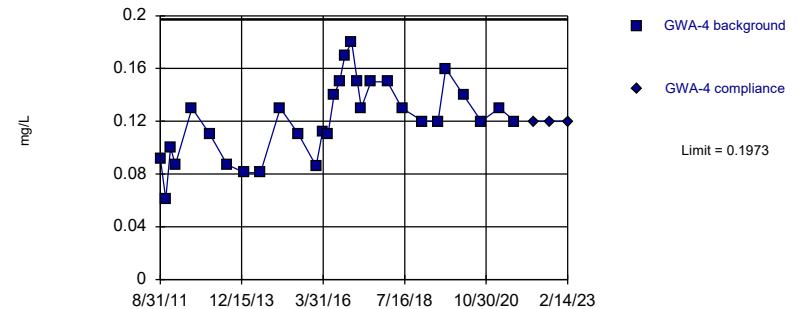


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 16 background values. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Barium Analysis Run 4/3/2023 9:40 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric



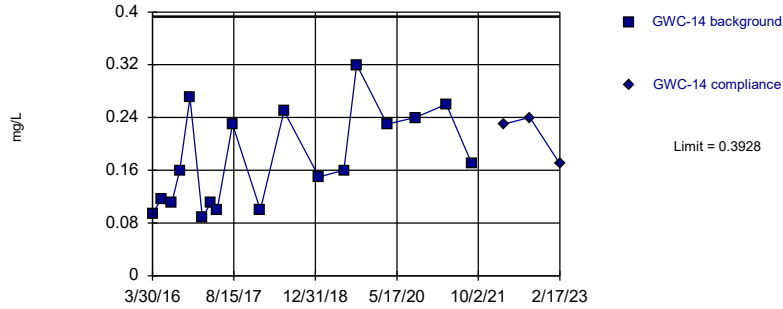
Background Data Summary: Mean=0.1212, Std. Dev.=0.02874, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.979, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 4/3/2023 9:40 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill



Within Limit

### Prediction Limit Intrawell Parametric

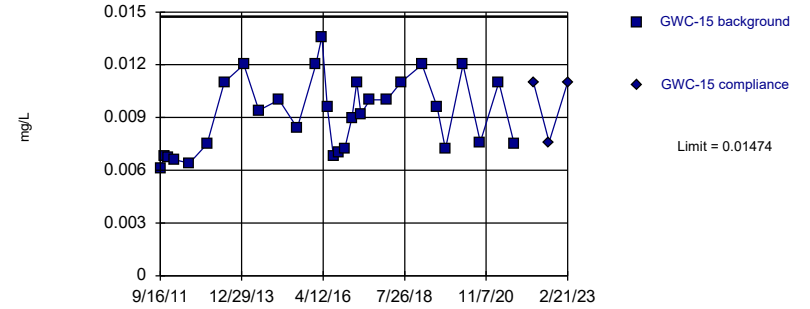


Background Data Summary: Mean=0.1755, Std. Dev.=0.07333, n=18. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9023, critical = 0.897. Kappa = 2.963 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 4/3/2023 9:40 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Parametric

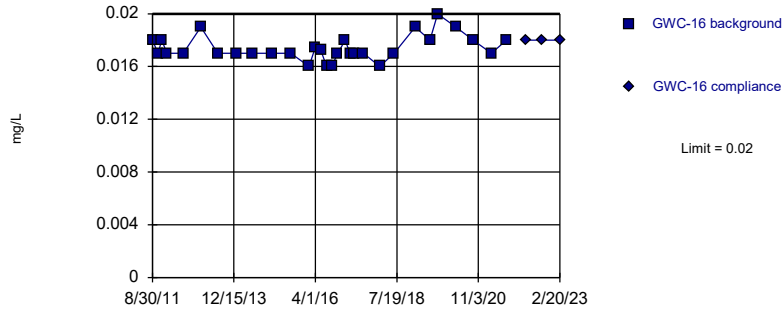


Background Data Summary: Mean=0.009139, Std. Dev.=0.002115, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9297, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 4/3/2023 9:40 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

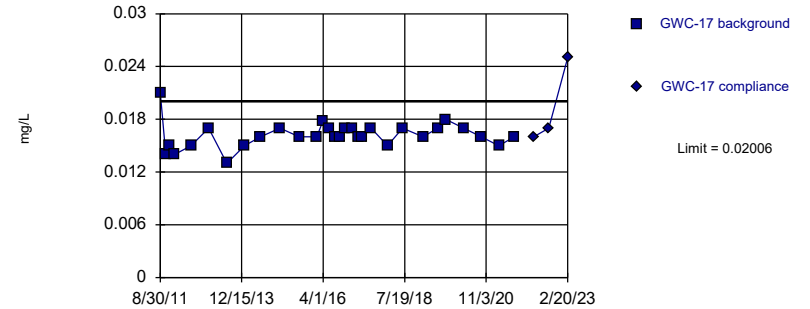


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 30 background values. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Barium Analysis Run 4/3/2023 9:40 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Exceeds Limit

### Prediction Limit Intrawell Parametric

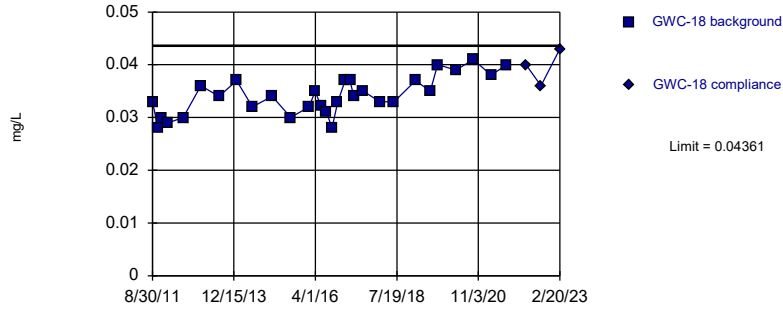


Background Data Summary: Mean=0.01619, Std. Dev.=0.001462, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9053, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 4/3/2023 9:40 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

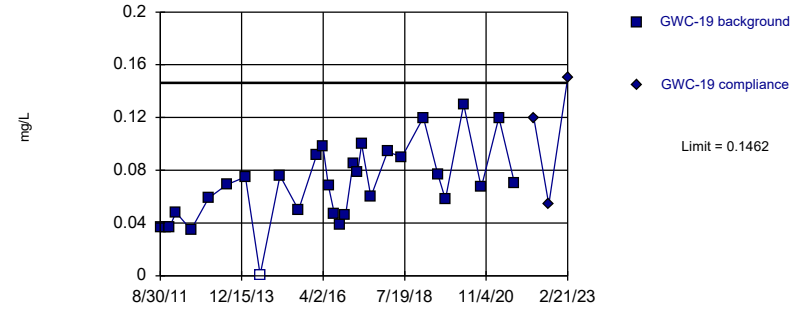


Background Data Summary: Mean=0.03411, Std. Dev.=0.003588, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9675, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 4/3/2023 9:40 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Exceeds Limit

Prediction Limit  
Intrawell Parametric

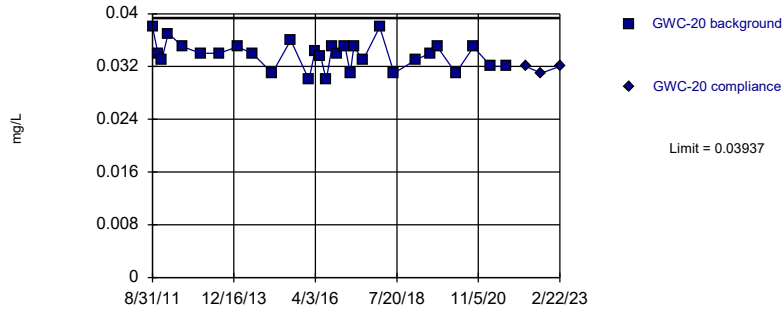


Background Data Summary: Mean=0.06883, Std. Dev.=0.02923, n=30, 3.333% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9779, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 4/3/2023 9:40 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

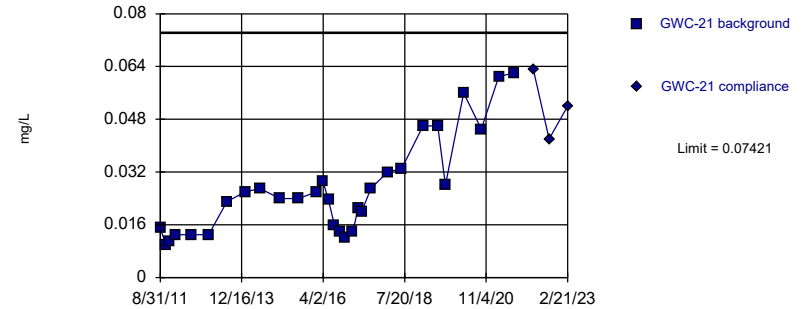


Background Data Summary: Mean=0.03377, Std. Dev.=0.002115, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9461, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 4/3/2023 9:40 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

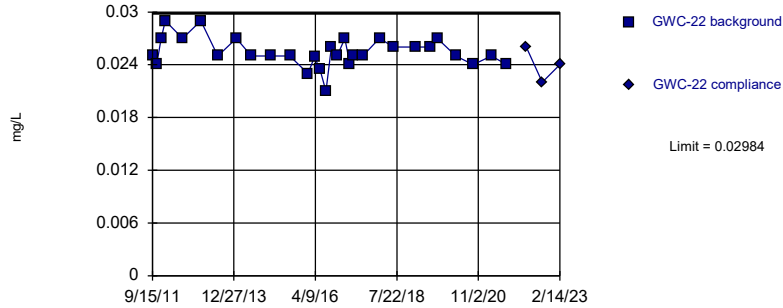


Background Data Summary (based on square root transformation): Mean=0.1589, Std. Dev.=0.04287, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9188, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 4/3/2023 9:40 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Parametric

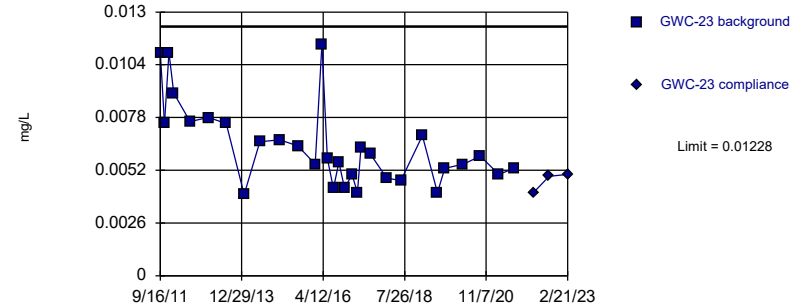


Background Data Summary: Mean=0.02541, Std. Dev.=0.001673, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9389, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 4/3/2023 9:40 AM View: PLs - App I  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Parametric

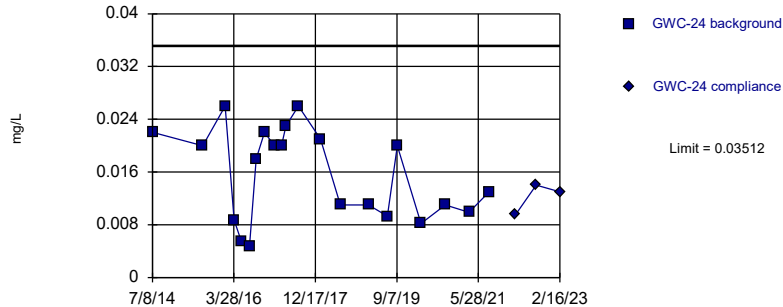


Background Data Summary (based on square root transformation): Mean=0.07888, Std. Dev.=0.01206, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9085, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 4/3/2023 9:40 AM View: PLs - App I  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Parametric

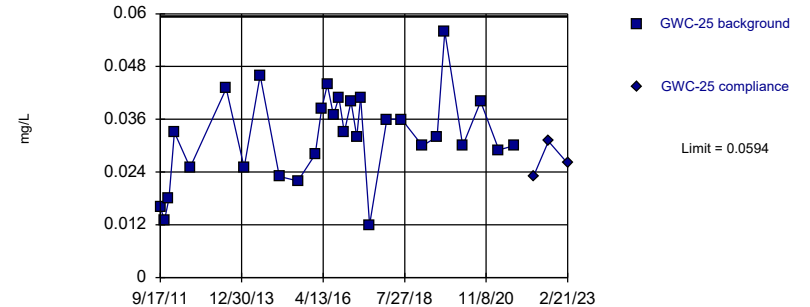


Background Data Summary: Mean=0.01573, Std. Dev.=0.006823, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9148, critical = 0.873. Kappa = 2.842 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 4/3/2023 9:40 AM View: PLs - App I  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Parametric

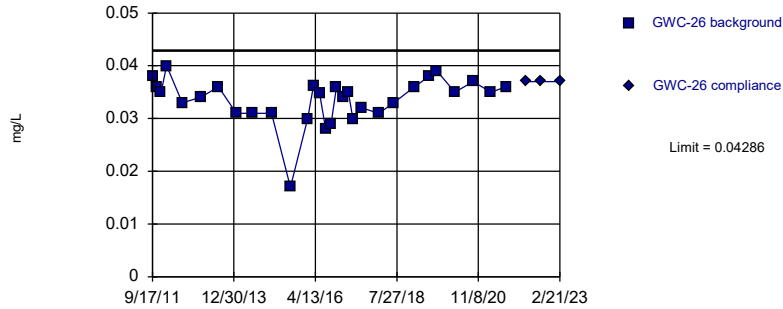


Background Data Summary: Mean=0.03204, Std. Dev.=0.01027, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9817, critical = 0.898. Kappa = 2.665 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 4/3/2023 9:40 AM View: PLs - App I  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

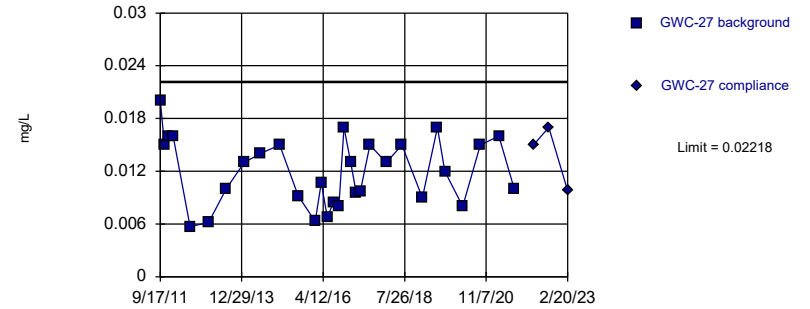


Background Data Summary (based on square transformation): Mean=0.001145, Std. Dev.=0.0002614, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9318, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 4/3/2023 9:40 AM View: PLs - App I  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

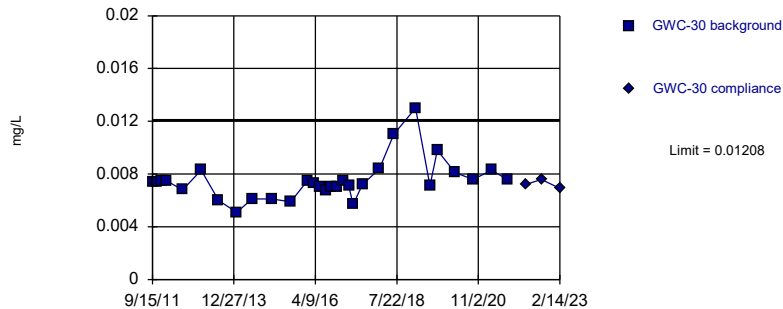


Background Data Summary: Mean=0.01199, Std. Dev.=0.003849, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9493, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 4/3/2023 9:40 AM View: PLs - App I  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

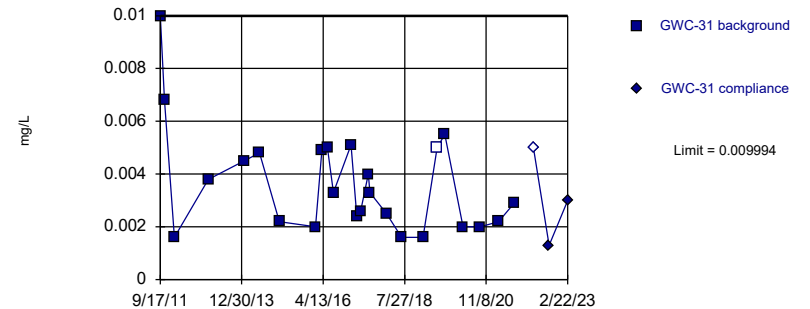


Background Data Summary (based on natural log transformation): Mean=-4.911, Std. Dev.=0.1869, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9159, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 4/3/2023 9:40 AM View: PLs - App I  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric



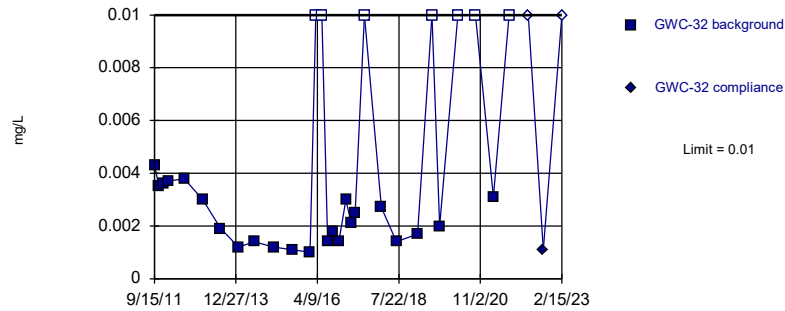
Background Data Summary (based on square root transformation): Mean=0.0587, Std. Dev.=0.0151, n=25, 4% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9216, critical = 0.888. Kappa = 2.733 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 4/3/2023 9:40 AM View: PLs - App I  
 Plant Wansley Client: Southern Company Data: Wansley Landfill



Within Limit

Prediction Limit  
Intrawell Non-parametric

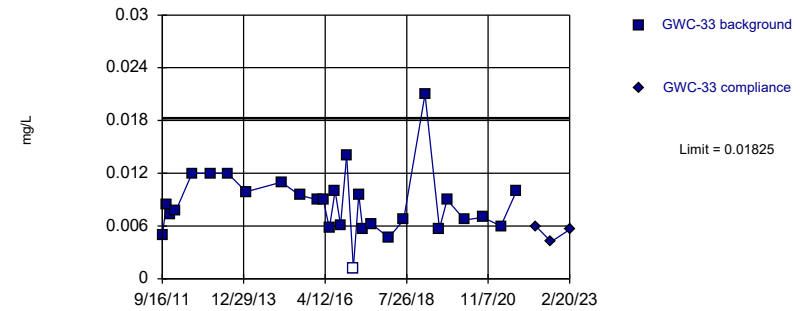


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 30 background values. 23.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Barium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

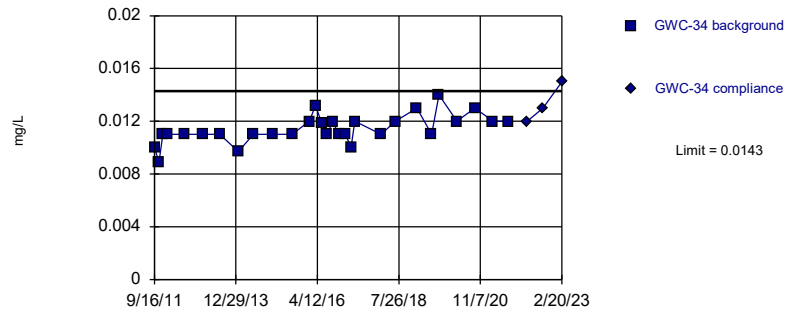


Background Data Summary: Mean=0.008559, Std. Dev.=0.003636, n=29, 3.448% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.912, critical = 0.898. Kappa = 2.665 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Exceeds Limit

Prediction Limit  
Intrawell Parametric

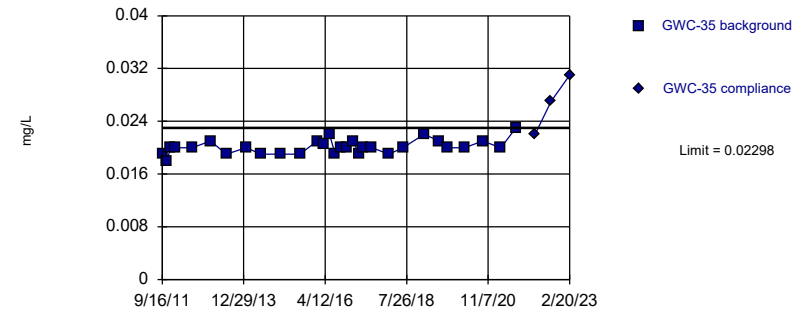


Background Data Summary: Mean=0.0114, Std. Dev.=0.001086, n=29. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9223, critical = 0.898. Kappa = 2.665 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Exceeds Limit

Prediction Limit  
Intrawell Parametric

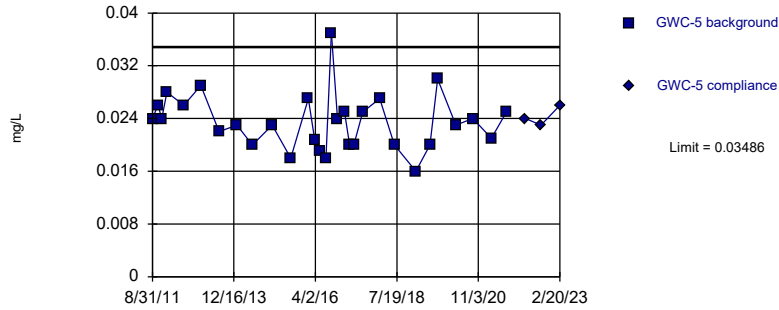


Background Data Summary: Mean=0.02009, Std. Dev.=0.001091, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9108, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Parametric

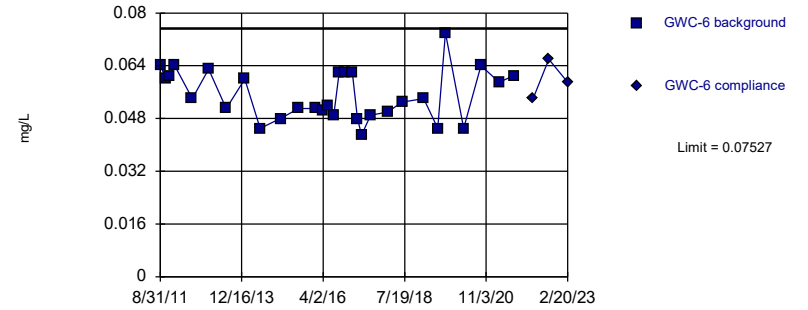


Background Data Summary: Mean=0.02349, Std. Dev.=0.004292, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9466, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Parametric

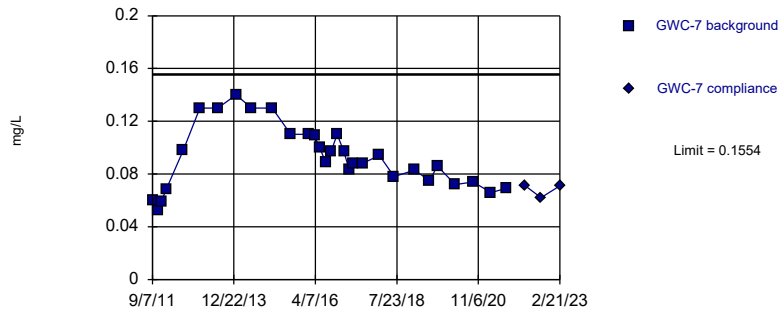


Background Data Summary: Mean=0.05515, Std. Dev.=0.007597, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9371, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Parametric

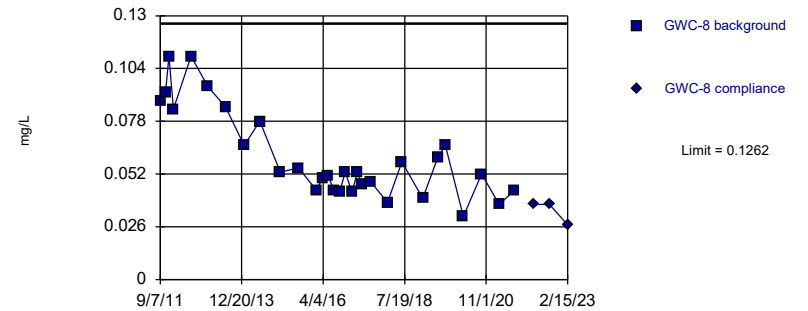


Background Data Summary: Mean=0.09252, Std. Dev.=0.02374, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9538, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Parametric

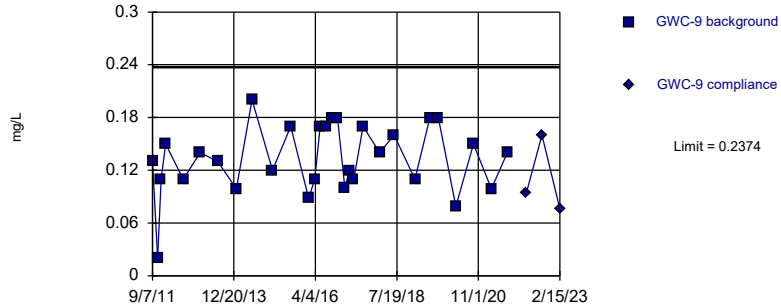


Background Data Summary (based on square root transformation): Mean=0.2426, Std. Dev.=0.04256, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9152, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Parametric

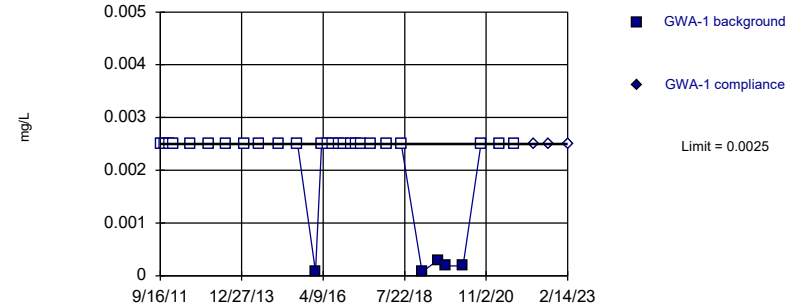


Background Data Summary: Mean=0.1338, Std. Dev.=0.0391, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9471, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Barium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

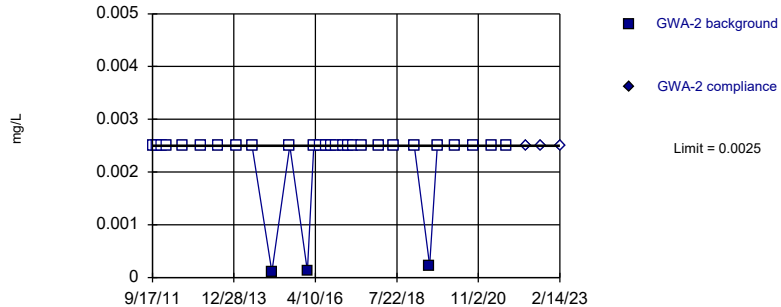


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

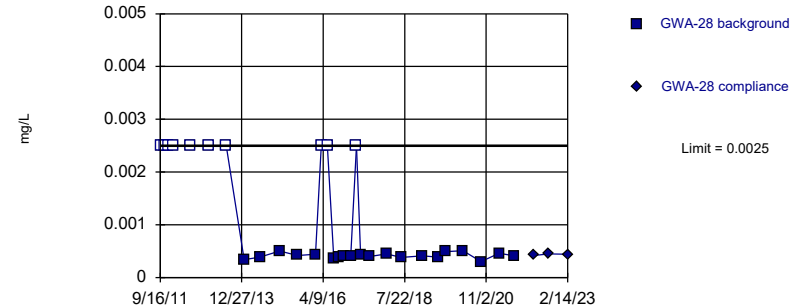


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 90% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

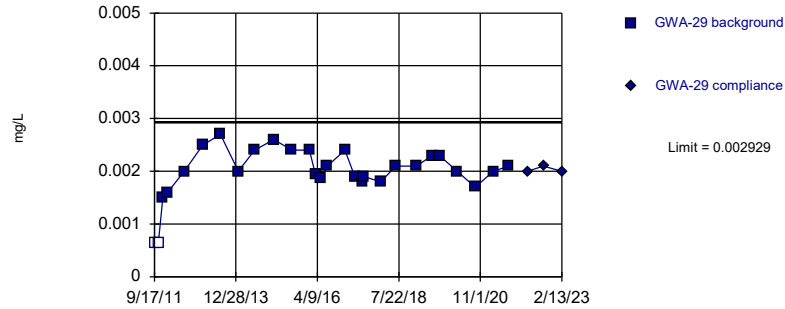


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 30 background values. 33.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

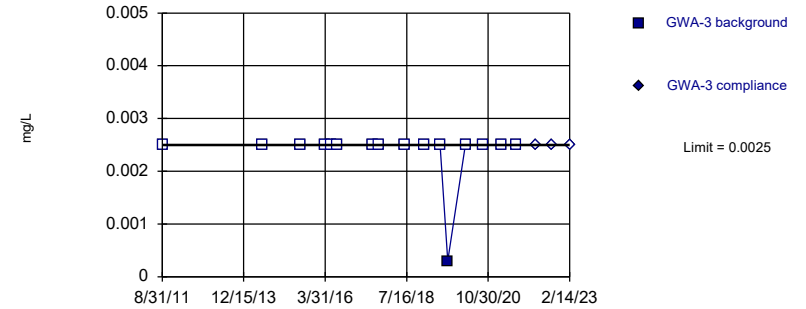


Background Data Summary (based on square transformation): Mean=0.000004182, Std. Dev.=0.00000164, n=28, 7.143% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9567, critical = 0.896. Kappa = 2.682 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Beryllium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

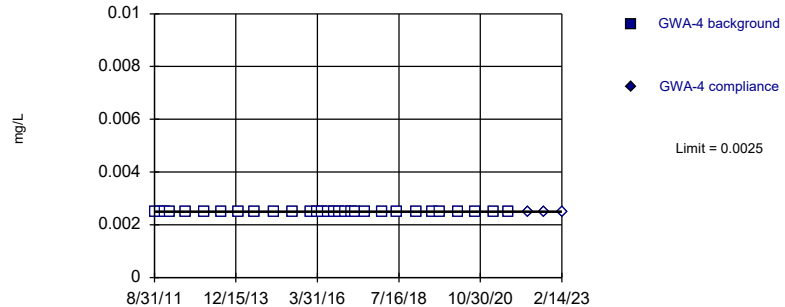


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Beryllium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

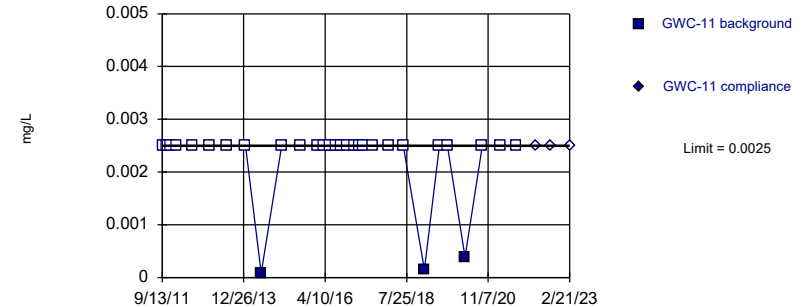


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 30) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

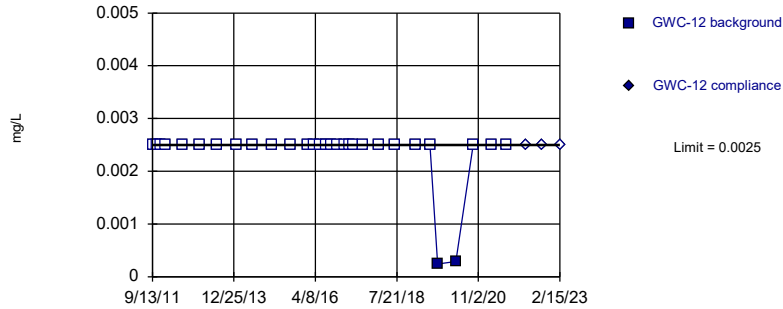


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 90% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

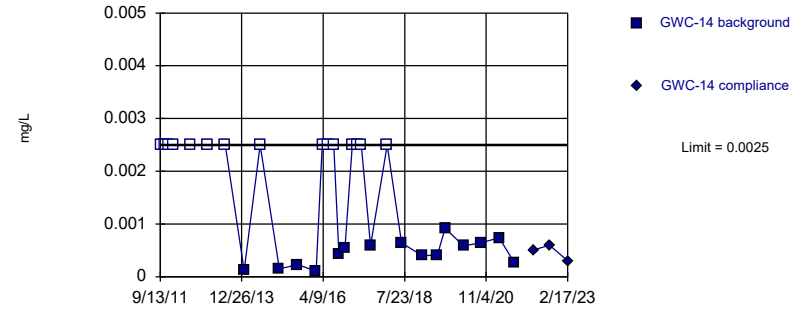


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

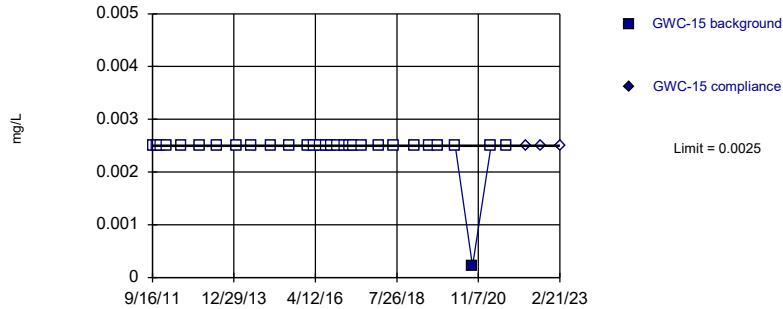


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 30 background values. 50% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

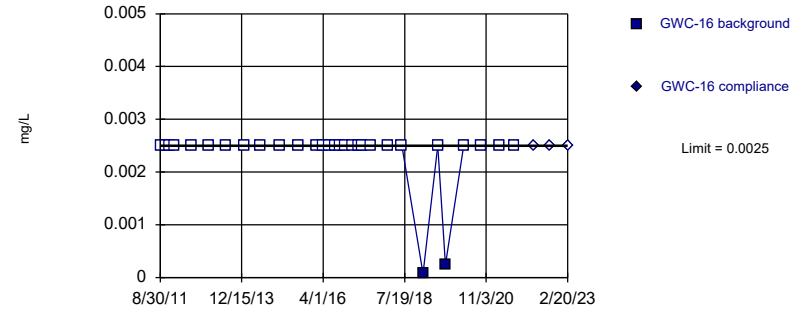


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

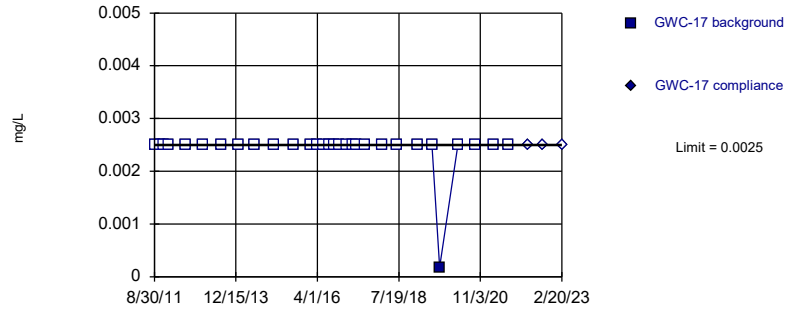


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

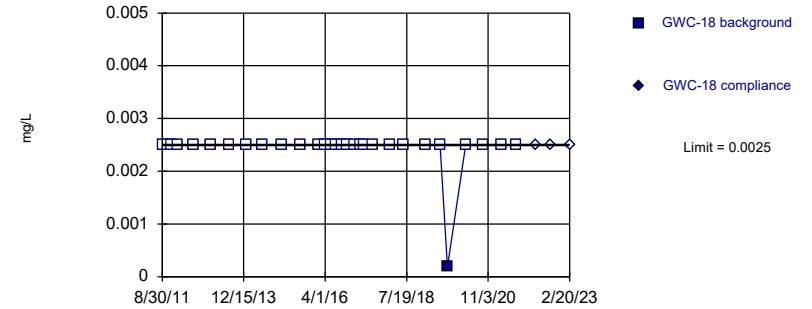


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

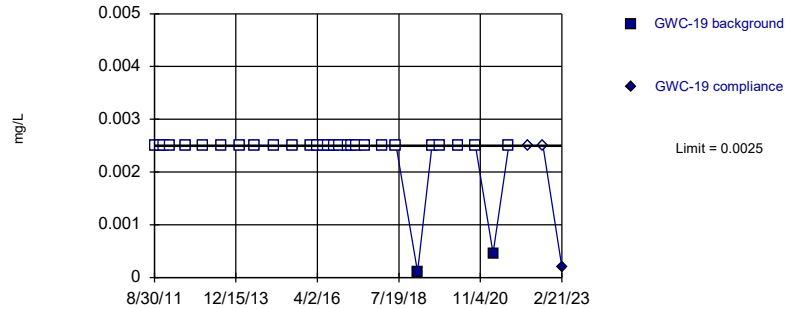


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

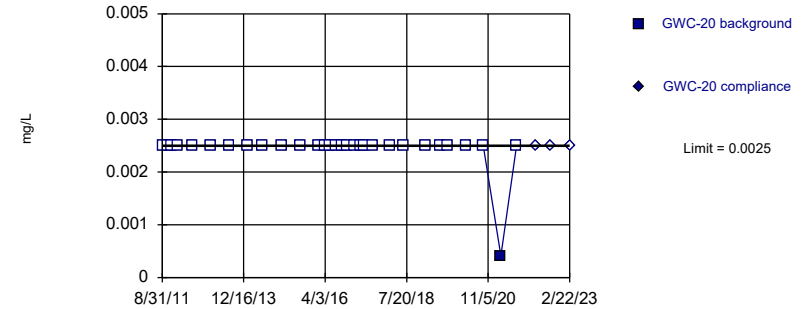


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

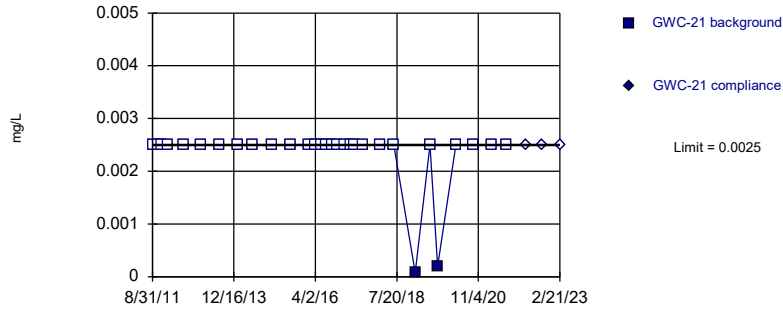


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

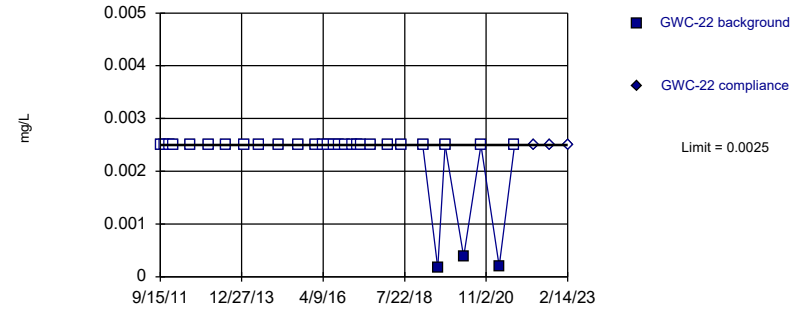


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

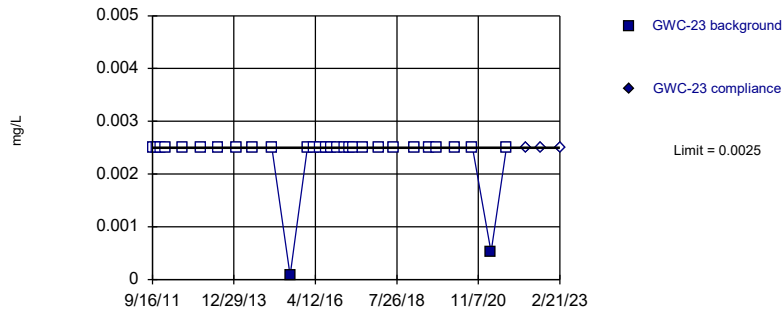


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 90% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

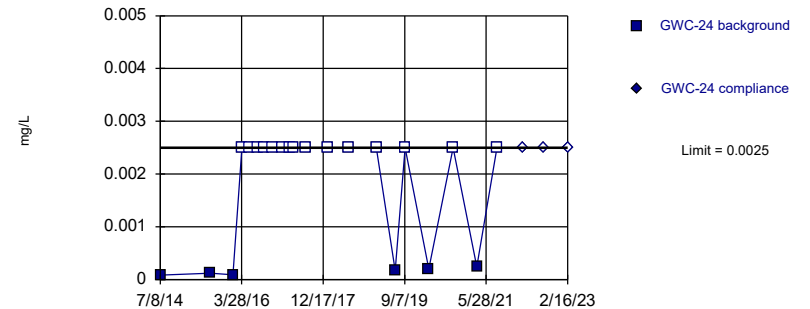


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

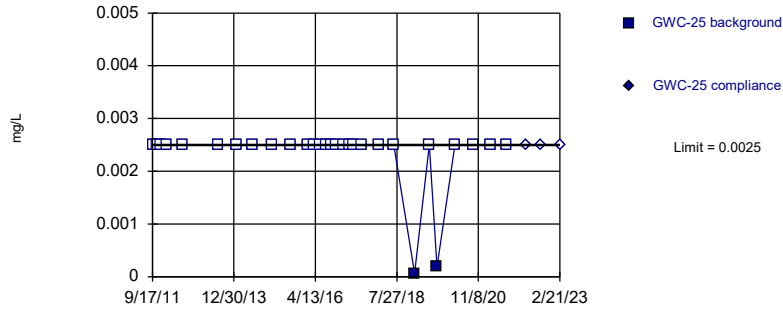


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Beryllium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

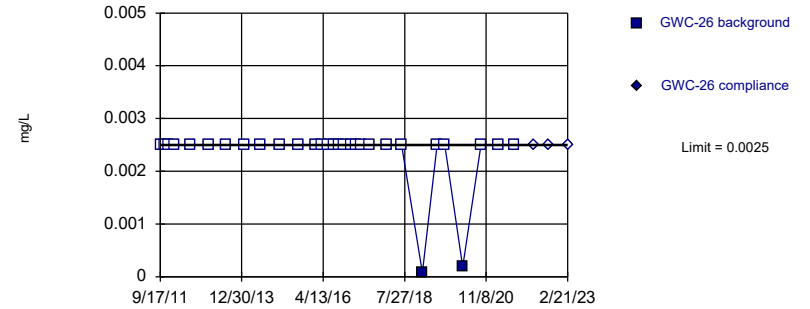


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Beryllium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

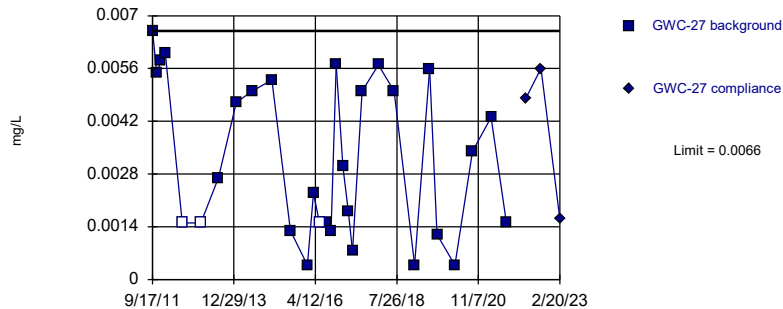


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

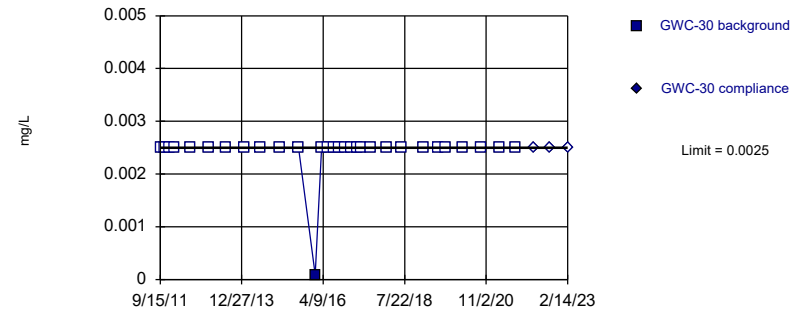


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 30 background values. 10% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric



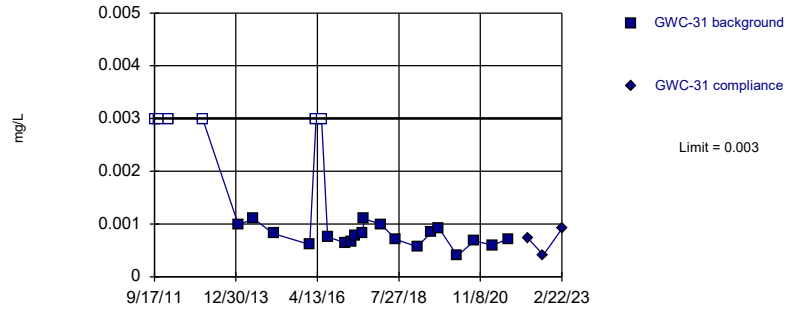
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill



Within Limit

Prediction Limit  
Intrawell Non-parametric

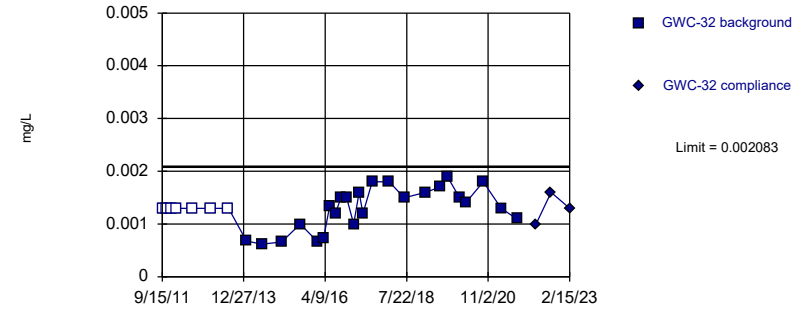


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 25 background values. 24% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Beryllium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

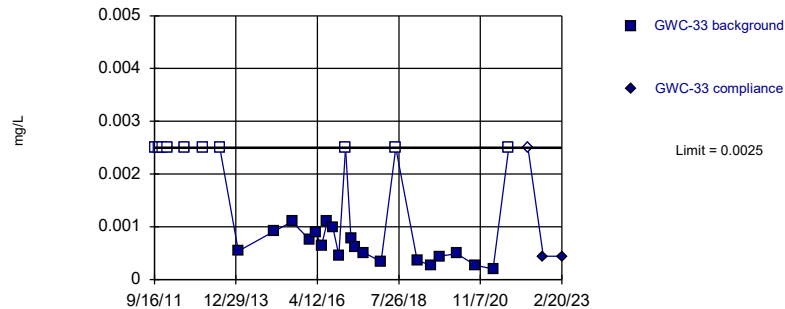


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.001036, Std. Dev.=0.0003974, n=31, 22.58% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9305, critical = 0.902. Kappa = 2.636 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Beryllium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

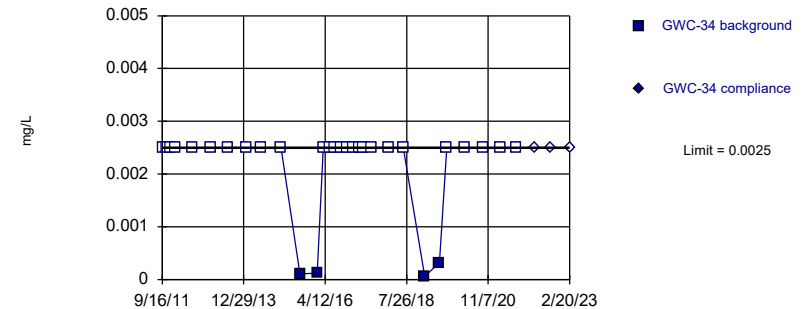


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 29 background values. 34.48% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Beryllium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

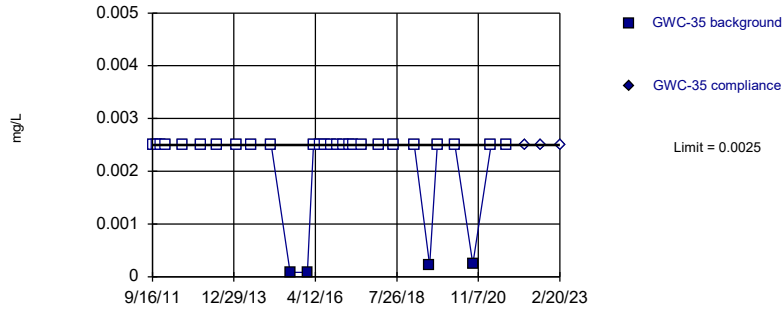


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

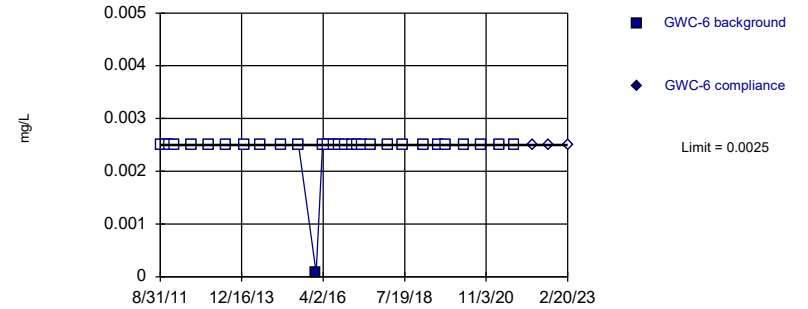


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 4/3/2023 9:41 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

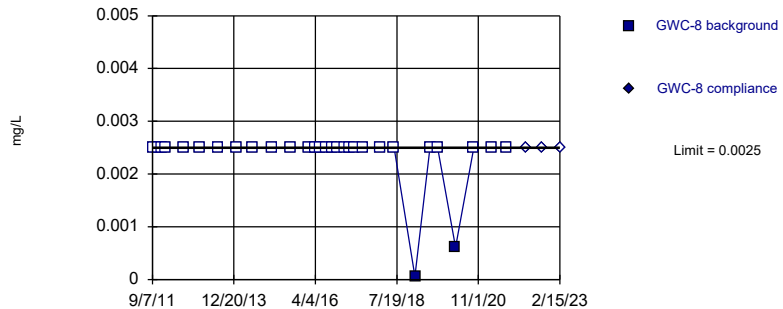


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

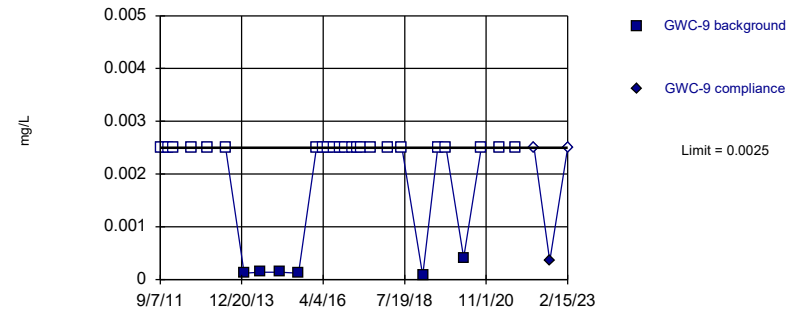


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

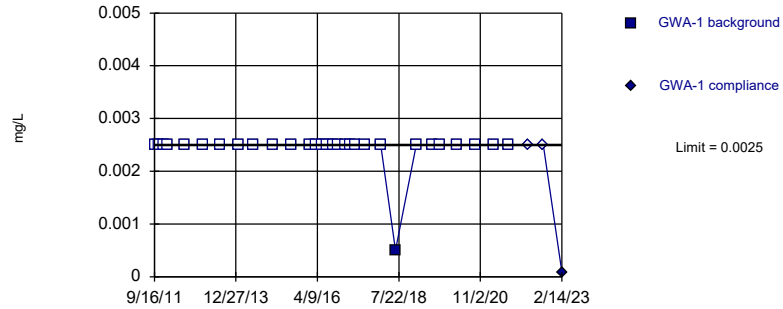


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 80% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Beryllium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

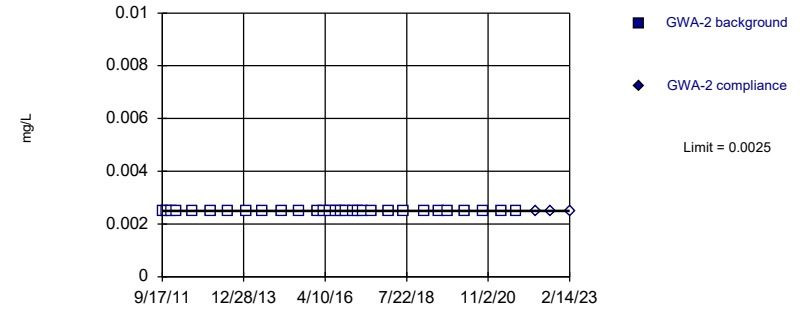


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cadmium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

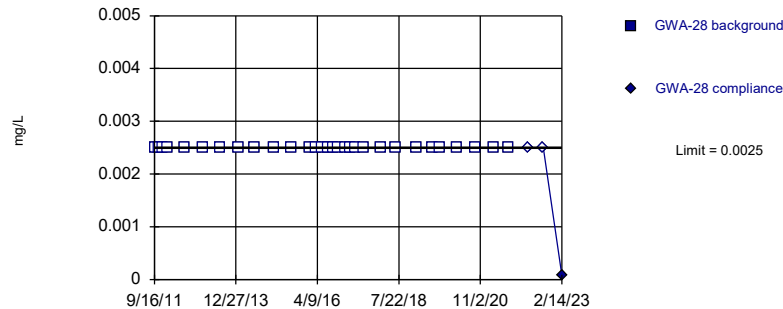


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 30) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cadmium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

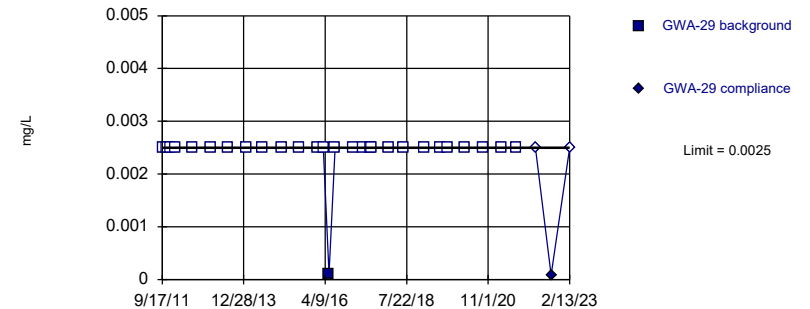


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 30) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cadmium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

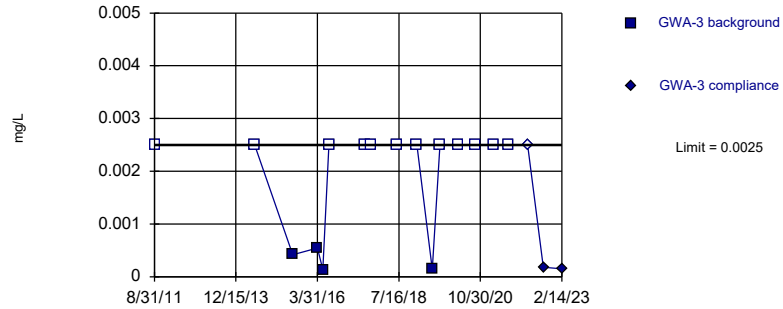


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Cadmium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

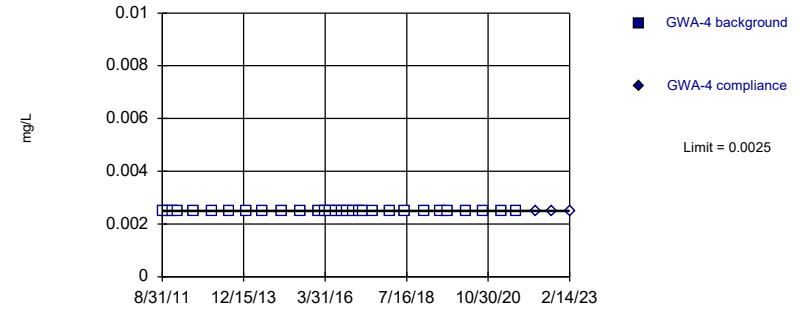


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Cadmium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

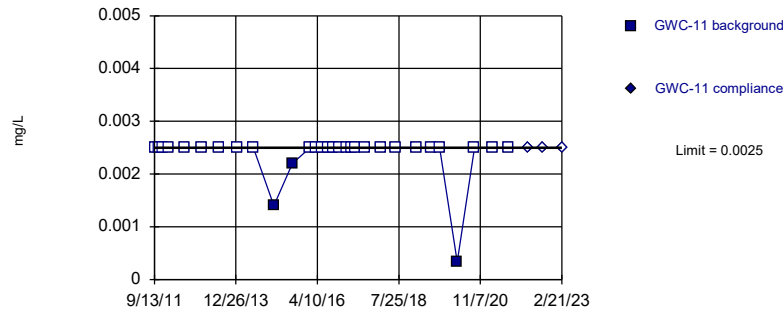


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 30) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cadmium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

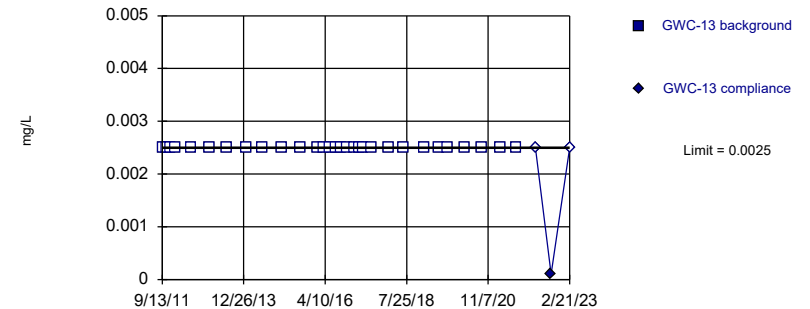


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 90% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cadmium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

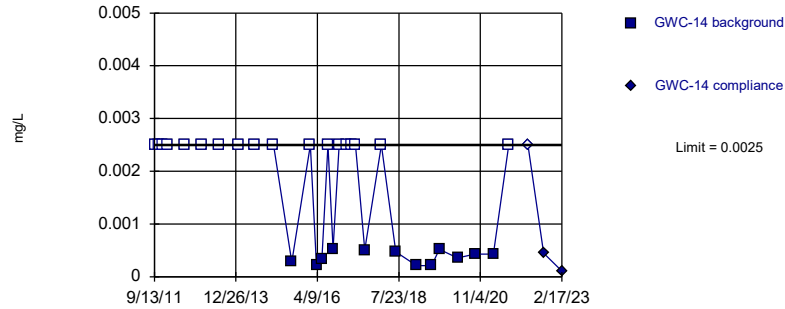


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 30) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cadmium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

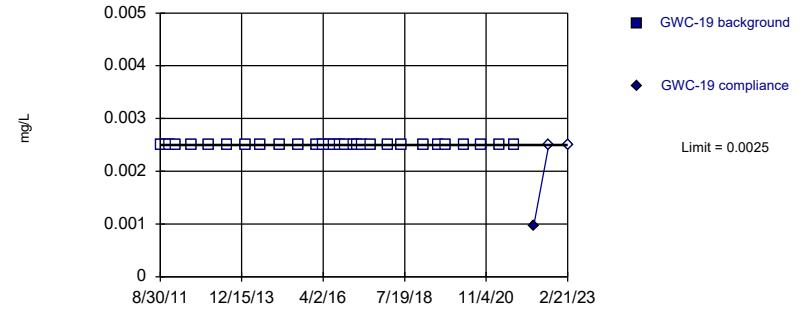


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 60% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cadmium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

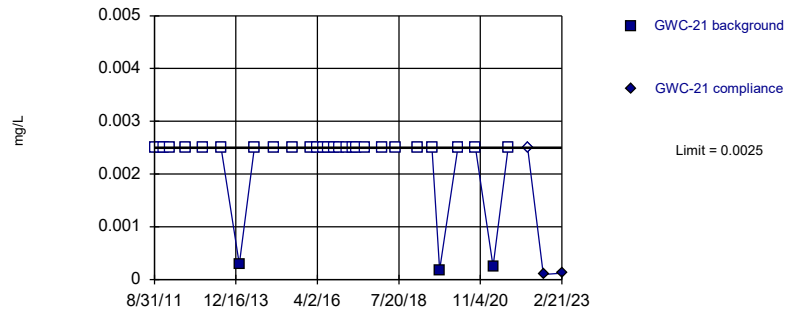


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 30) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cadmium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

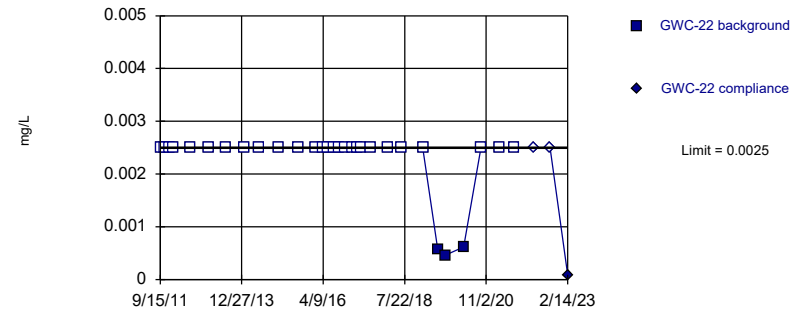


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 90% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cadmium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
 Intrawell Non-parametric

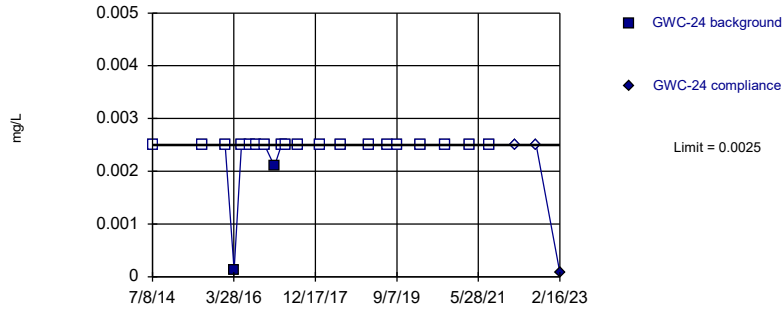


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 90% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cadmium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

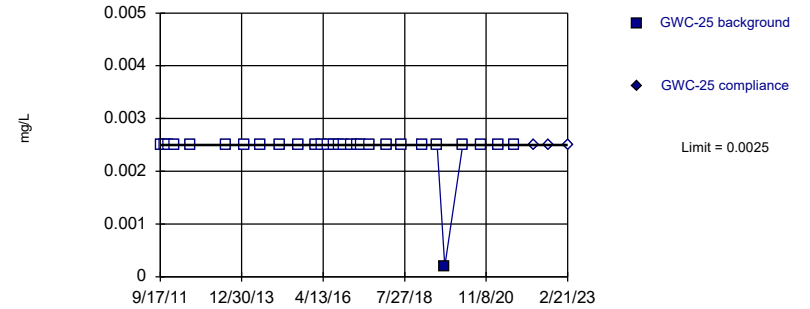


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 90.48% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Cadmium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

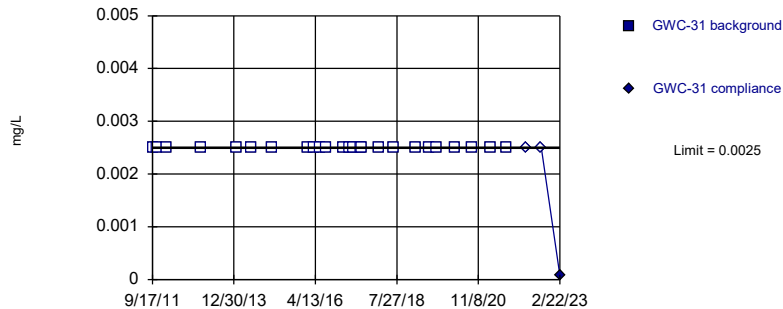


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cadmium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

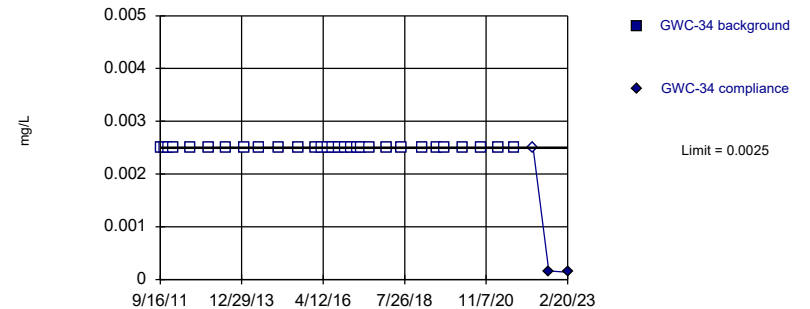


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 25) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Cadmium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

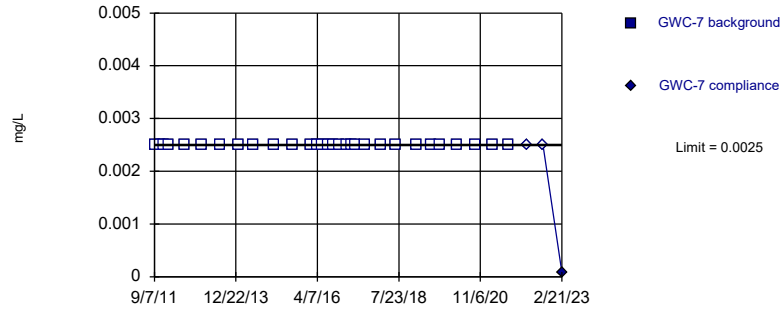


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 30) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cadmium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

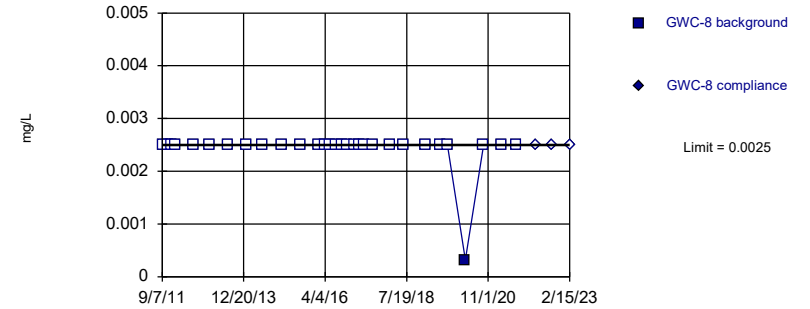


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 30) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cadmium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

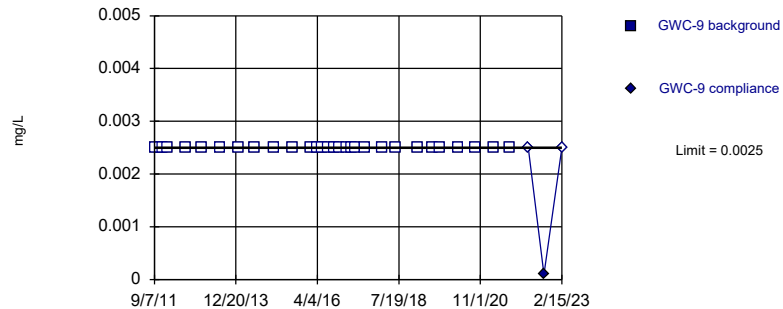


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cadmium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

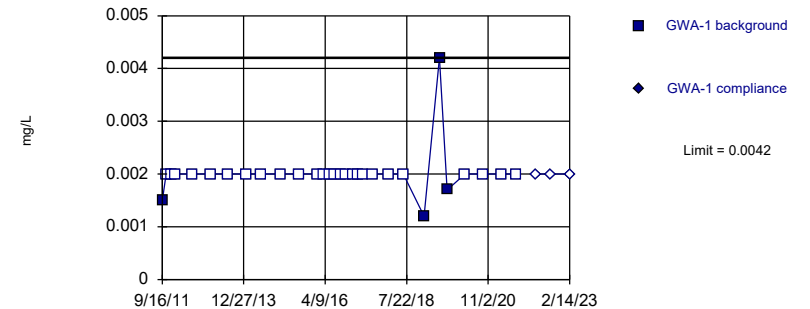


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 30) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cadmium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

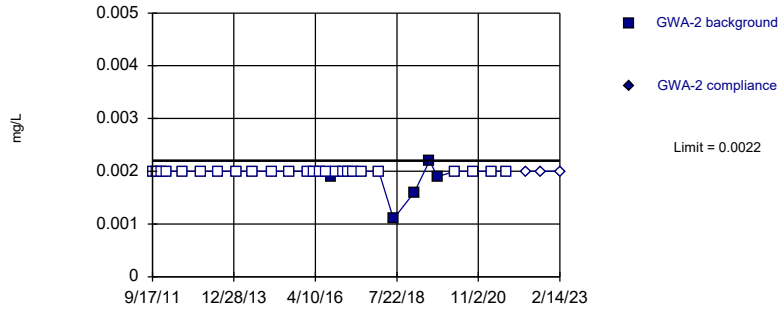


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

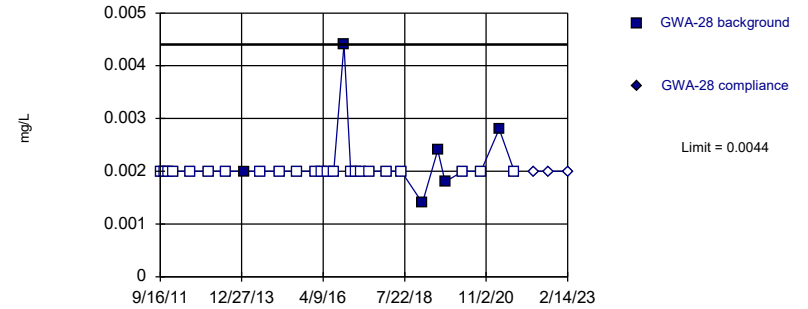


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

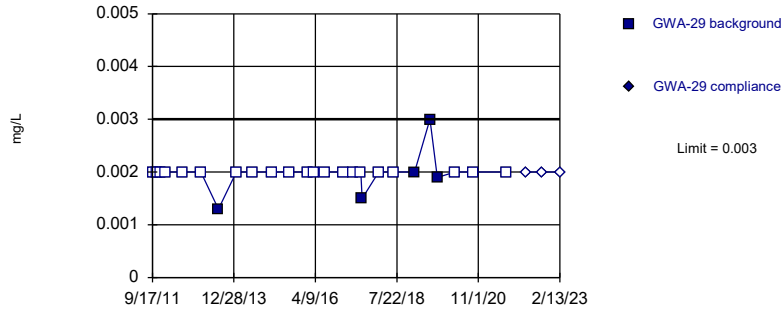


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 79.31% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Chromium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

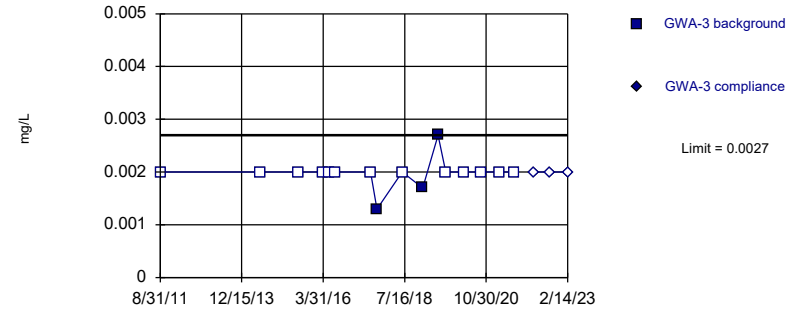


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 26 background values. 80.77% NDs. Well-constituent pair annual alpha = 0.005327. Individual comparison alpha = 0.002667 (1 of 2).

Constituent: Chromium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric



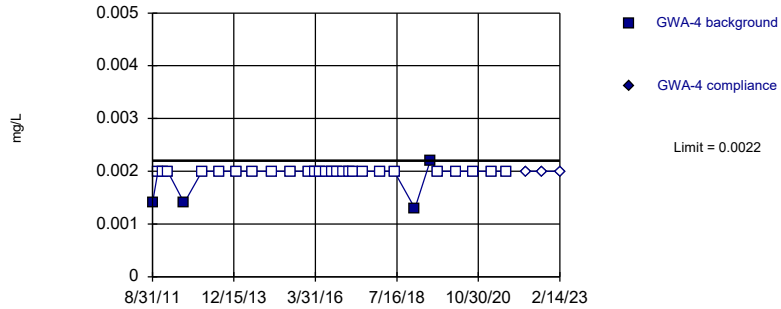
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 81.25% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Chromium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill



Within Limit

Prediction Limit  
Intrawell Non-parametric

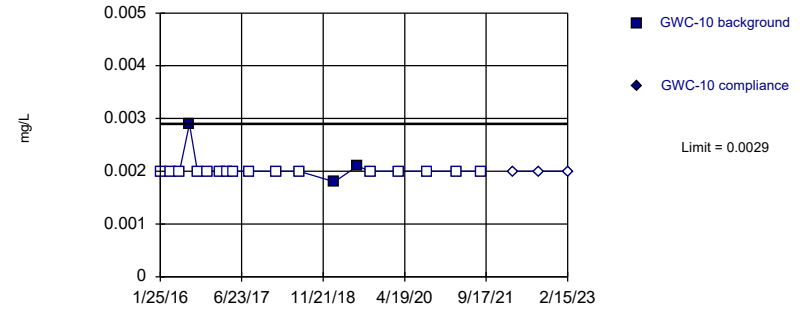


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

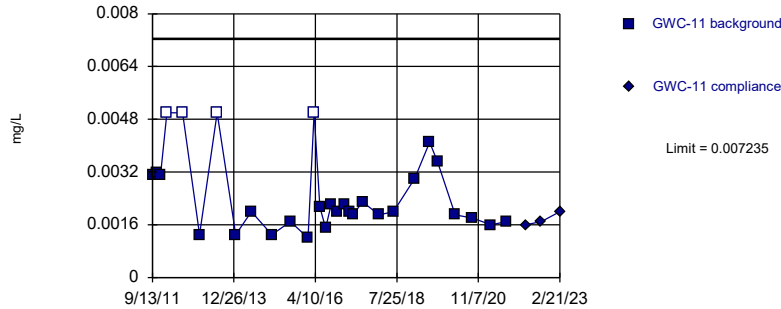


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 84.21% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Chromium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

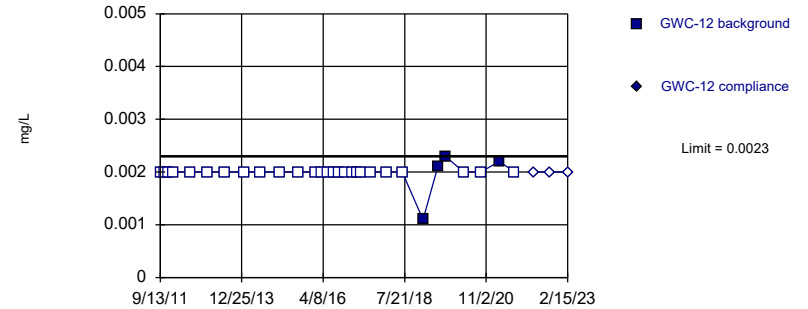


Background Data Summary (based on natural log transformation): Mean=-6.075, Std. Dev.=0.4329, n=30, 13.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9136, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Chromium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

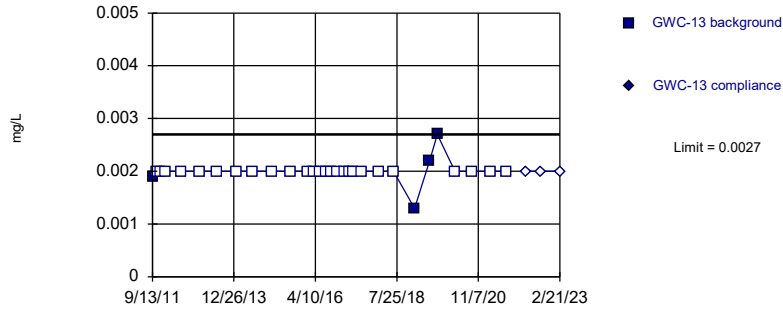


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

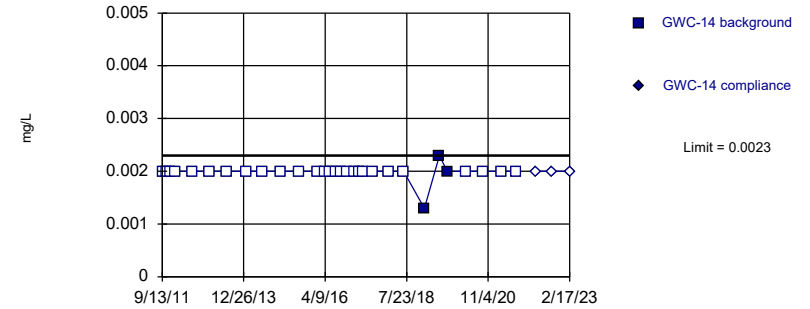


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

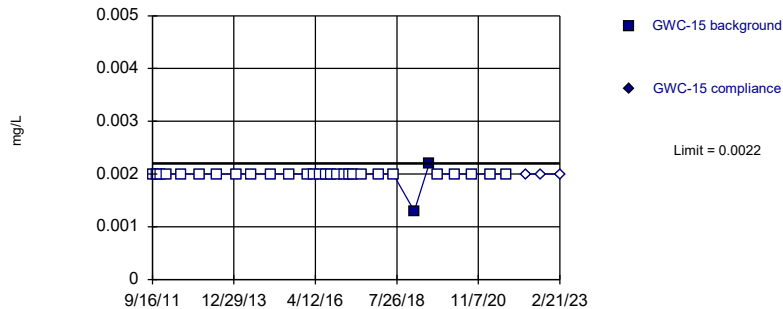


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 90% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

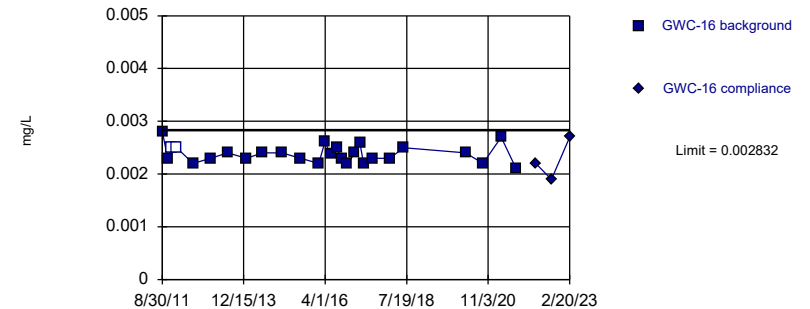


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

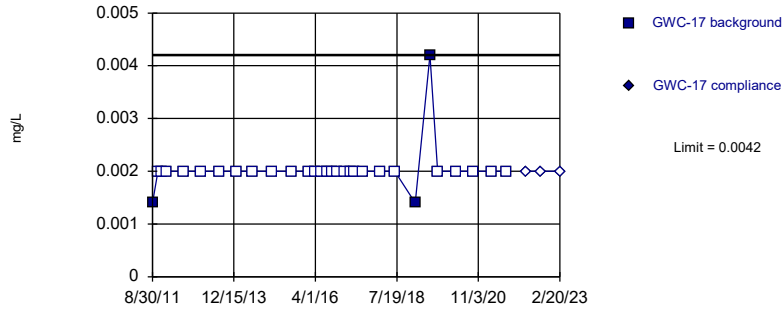


Background Data Summary: Mean=0.002381, Std. Dev.=0.000167, n=27, 7.407% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9406, critical = 0.894. Kappa = 2.699 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Chromium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

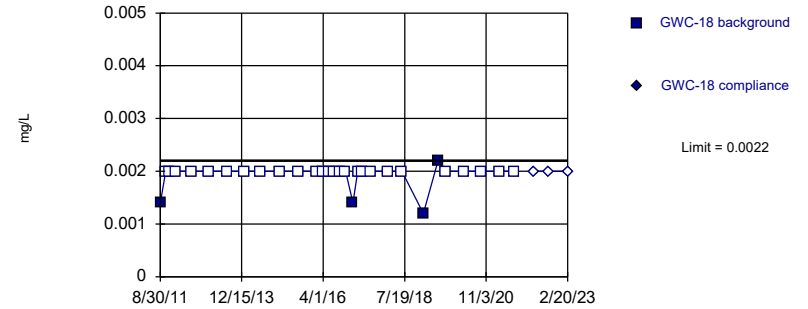


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 90% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

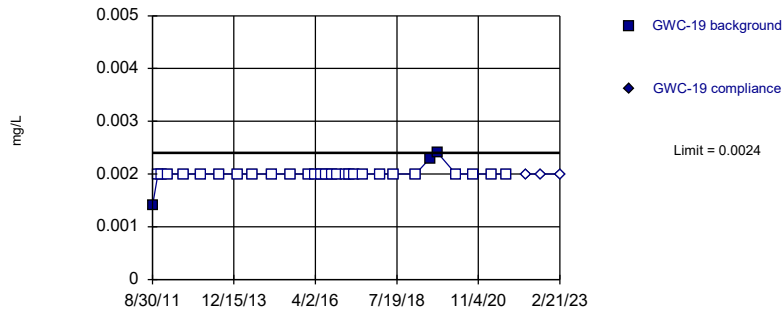


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

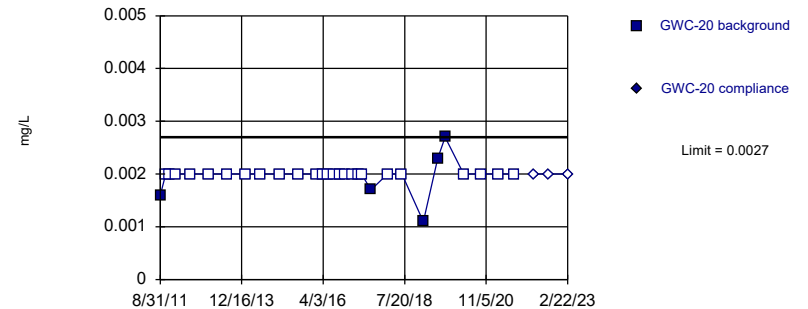


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 90% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

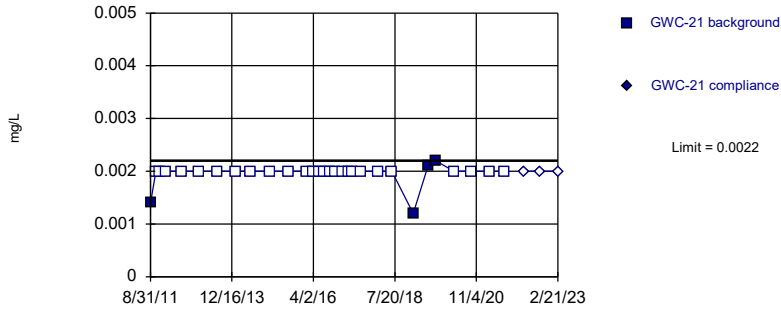


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 4/3/2023 9:42 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

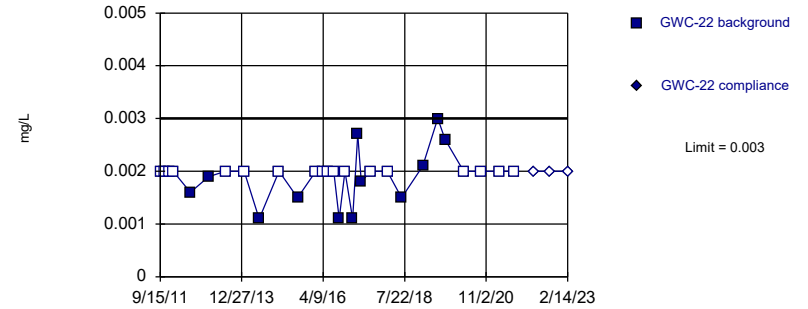


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

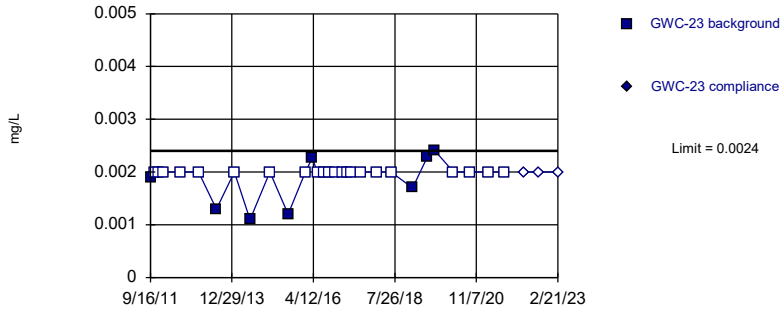


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 60% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

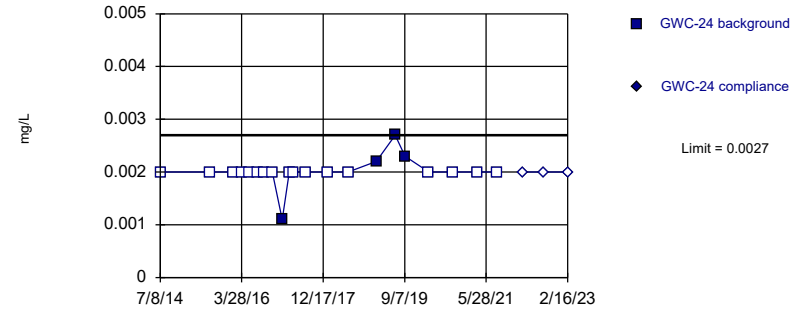


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 73.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

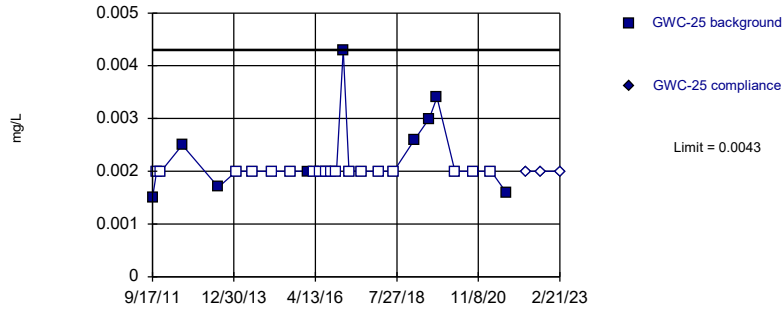


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 80.95% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Chromium Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

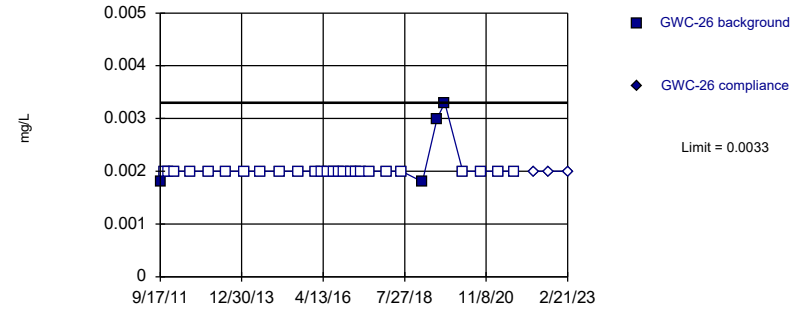


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 66.67% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Chromium Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

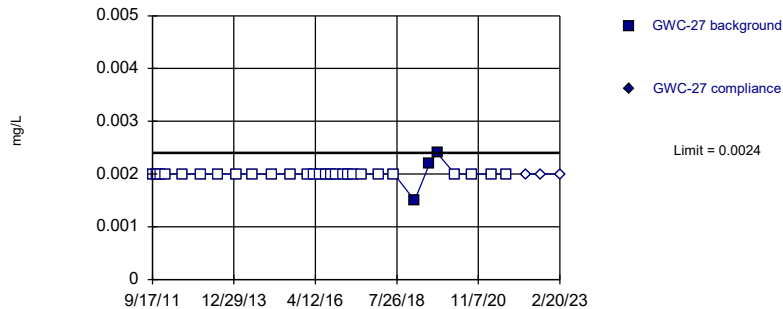


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

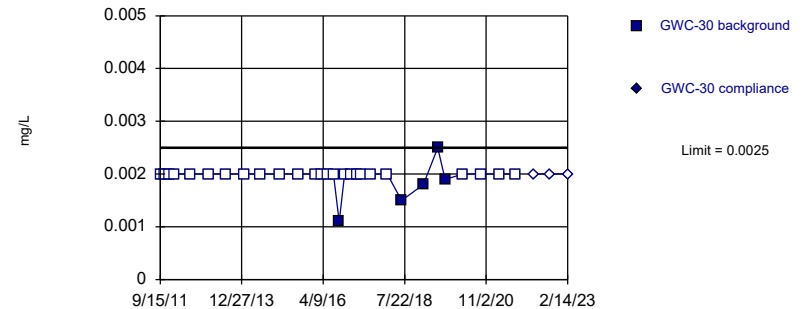


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 90% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

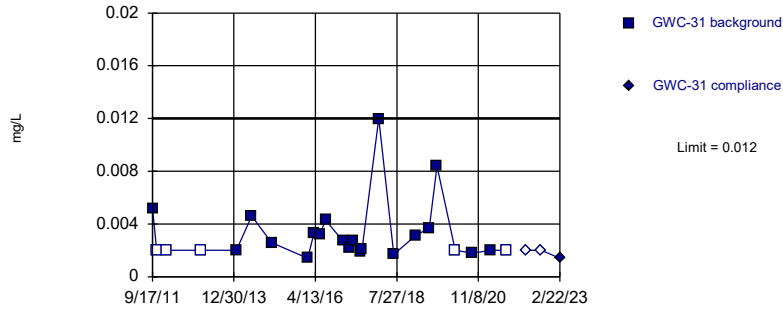


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

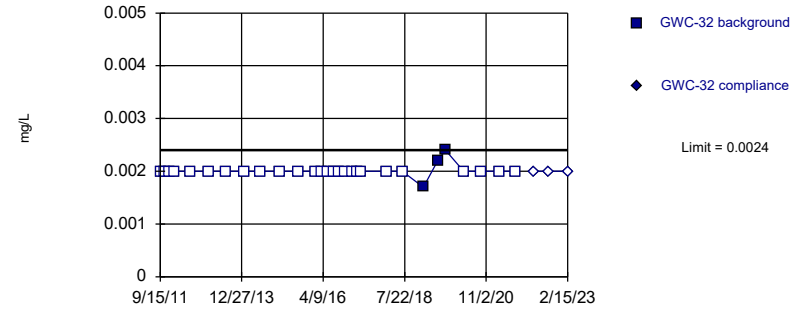


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 25 background values. 20% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Chromium Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

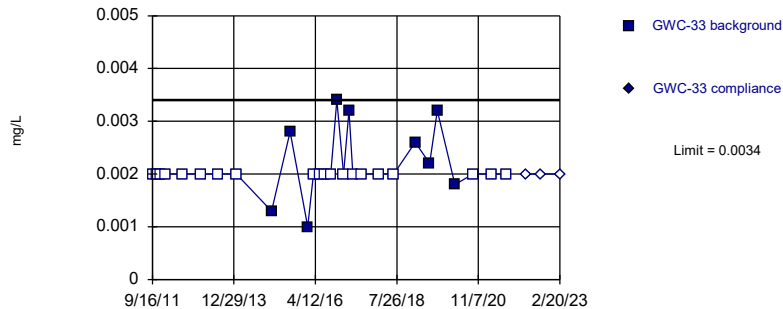


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Chromium Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

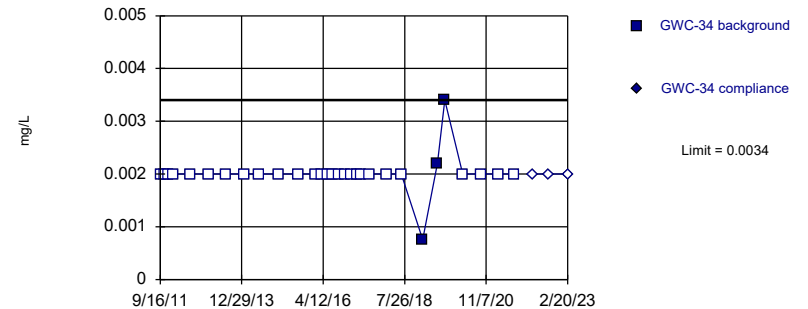


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 68.97% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Chromium Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

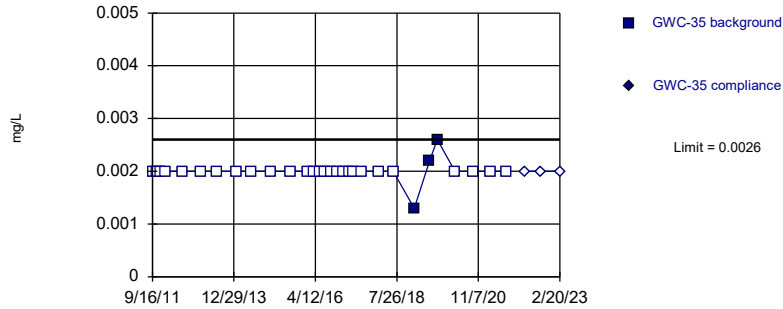


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 90% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

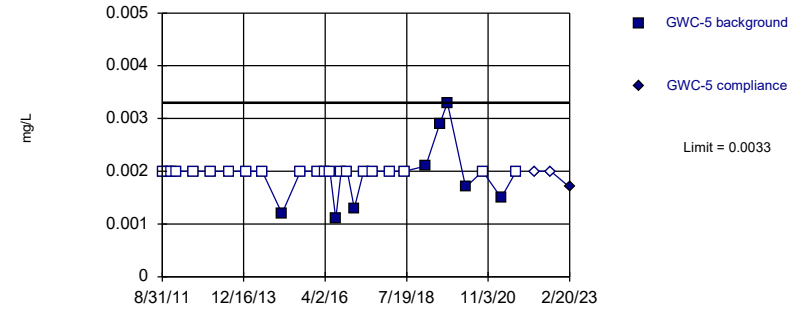


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 90% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

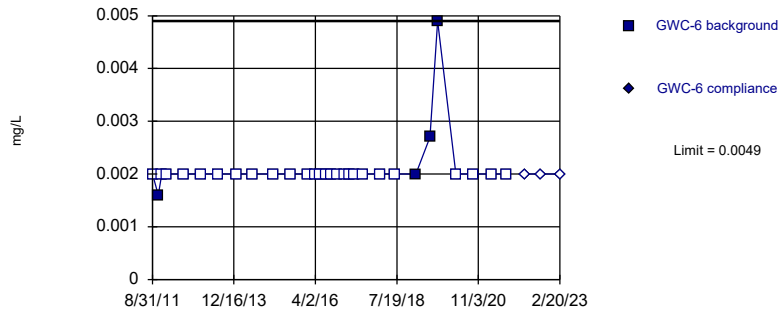


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 72.41% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Chromium Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

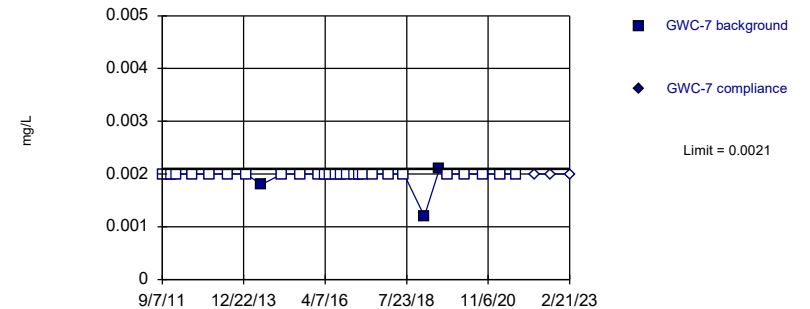


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

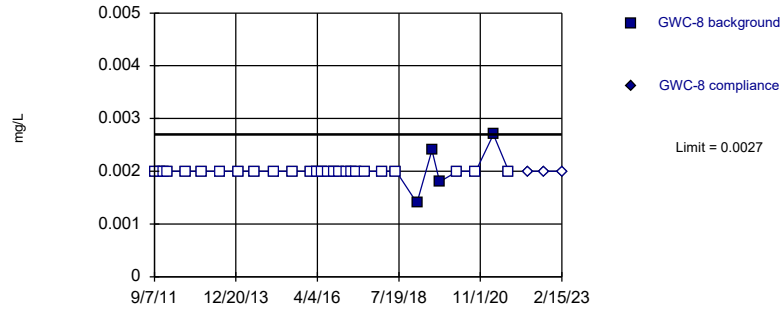


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 90% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

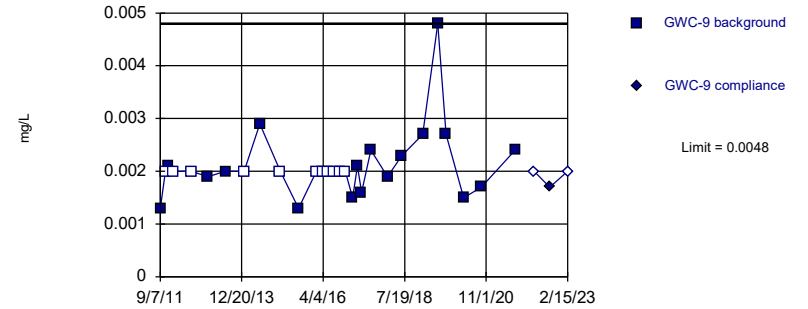


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Chromium Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

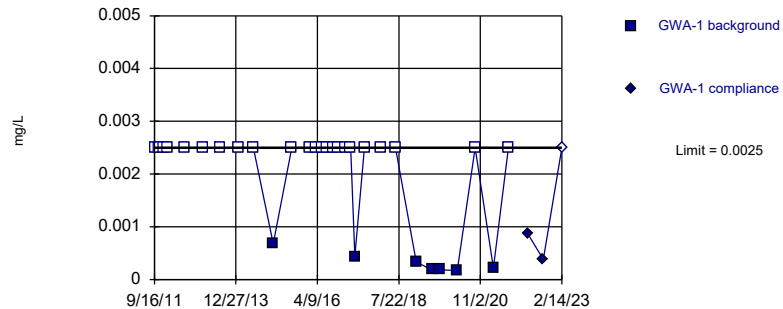


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 29 background values. 37.93% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Chromium Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

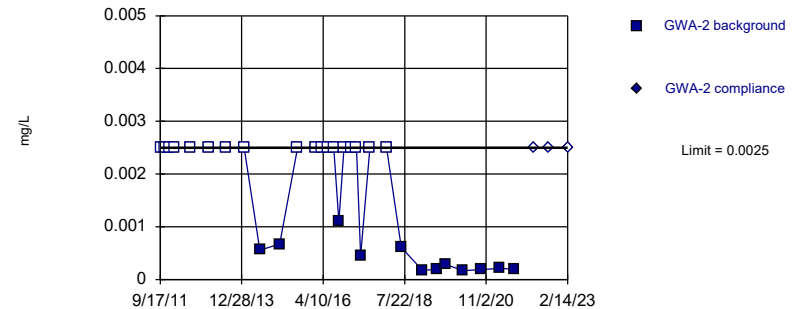


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 76.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cobalt Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric



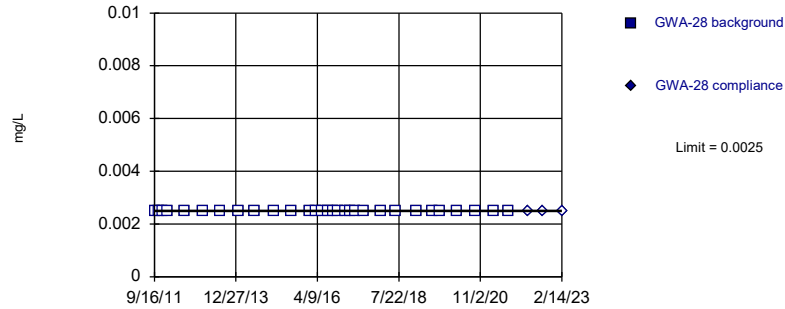
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 60% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cobalt Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill



Within Limit

Prediction Limit  
Intrawell Non-parametric

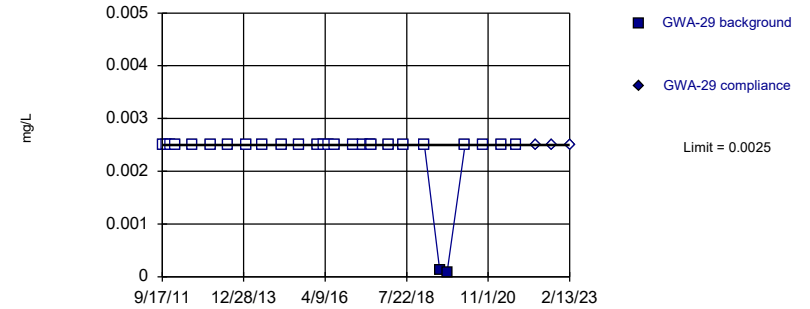


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 30) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cobalt Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

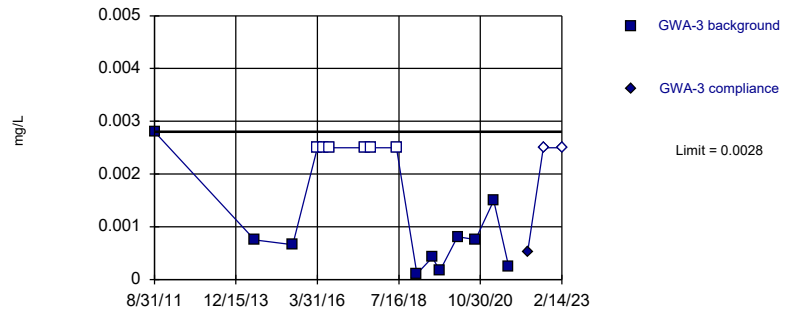


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Cobalt Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

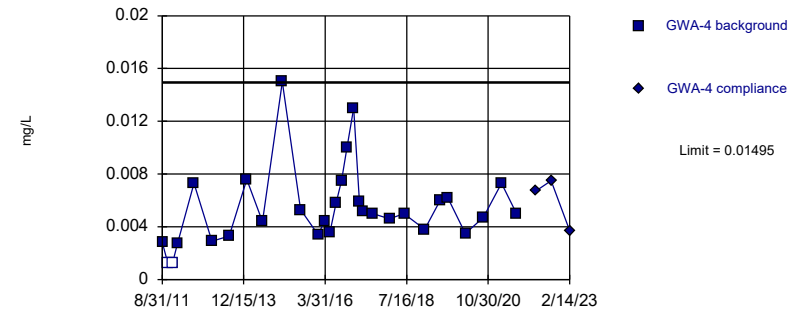


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 16 background values. 37.5% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Cobalt Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

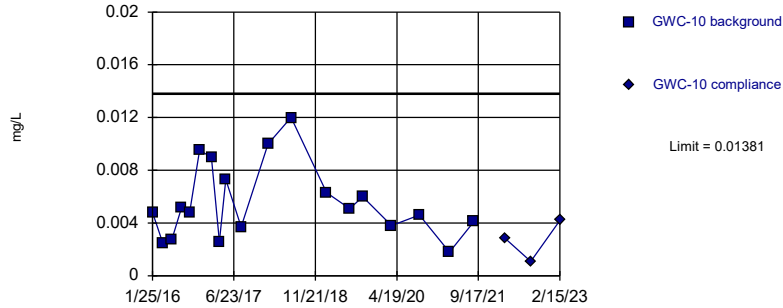


Background Data Summary (based on square root transformation): Mean=0.07142, Std. Dev.=0.01921, n=30, 6.667% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9493, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Cobalt Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Parametric

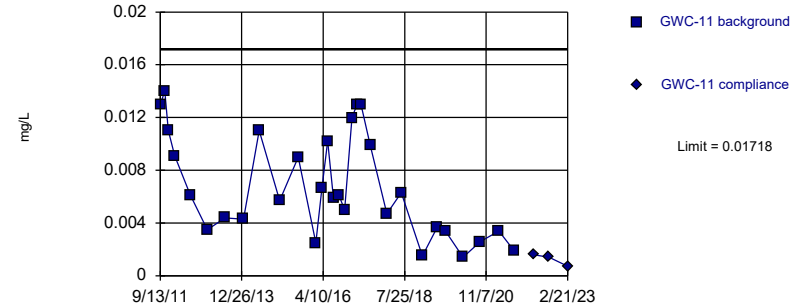


Background Data Summary: Mean=0.005569, Std. Dev.=0.002826, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9232, critical = 0.901. Kappa = 2.916 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Cobalt Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Parametric

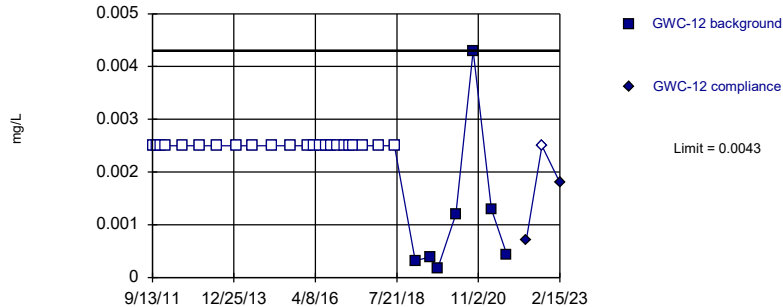


Background Data Summary: Mean=0.006808, Std. Dev.=0.003916, n=30. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9167, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Cobalt Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

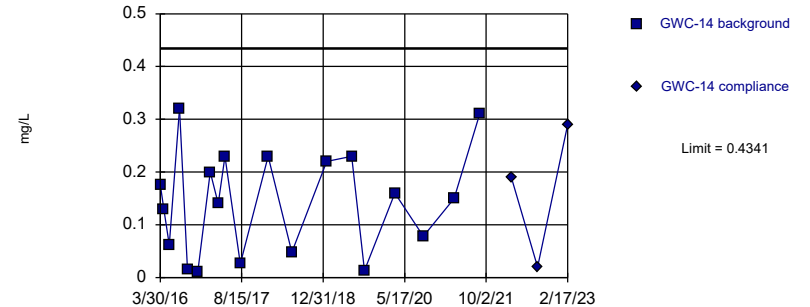


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 76.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cobalt Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Parametric

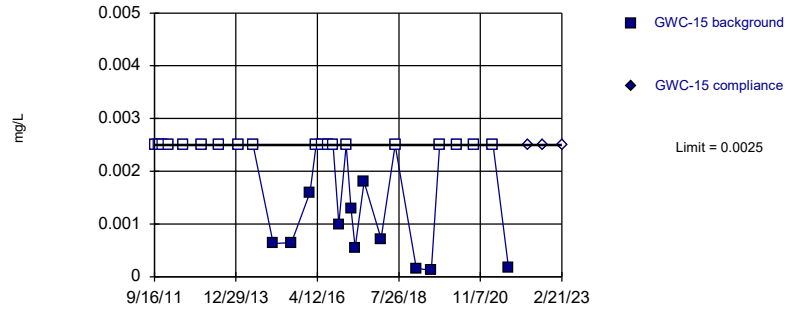


Background Data Summary: Mean=0.1446, Std. Dev.=0.09929, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9341, critical = 0.901. Kappa = 2.916 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Cobalt Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

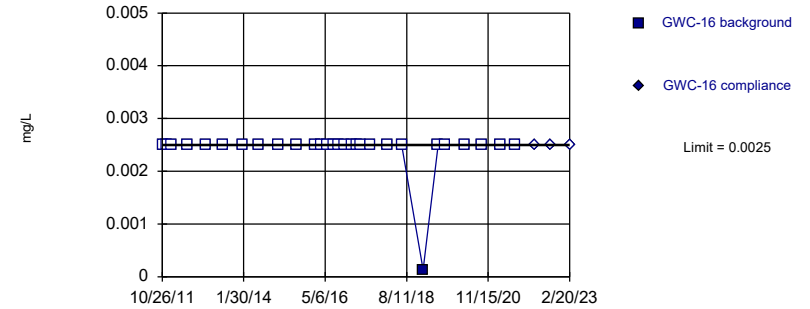


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 63.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cobalt Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

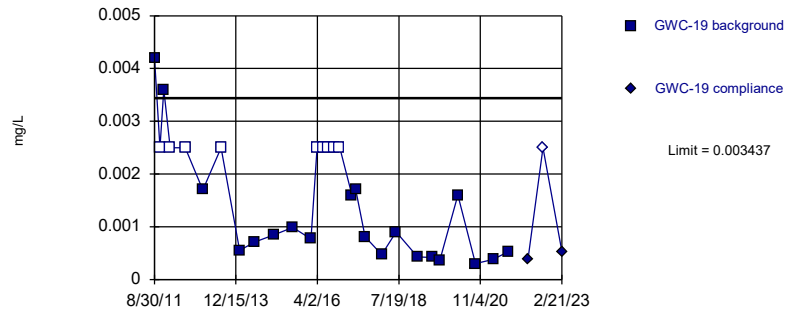


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

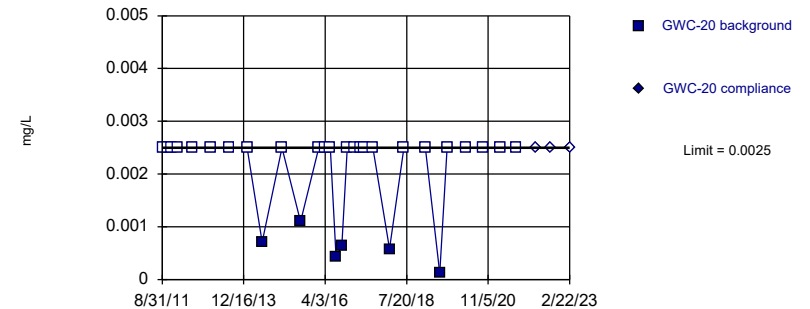


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.02856, Std. Dev.=0.01128, n=29, 31.03% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9023, critical = 0.898. Kappa = 2.665 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Cobalt Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

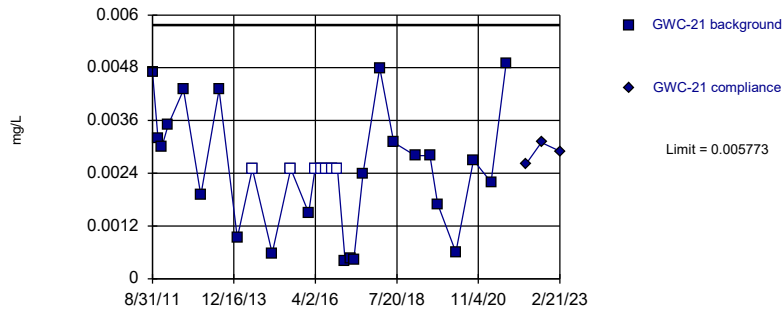


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 80% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cobalt Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

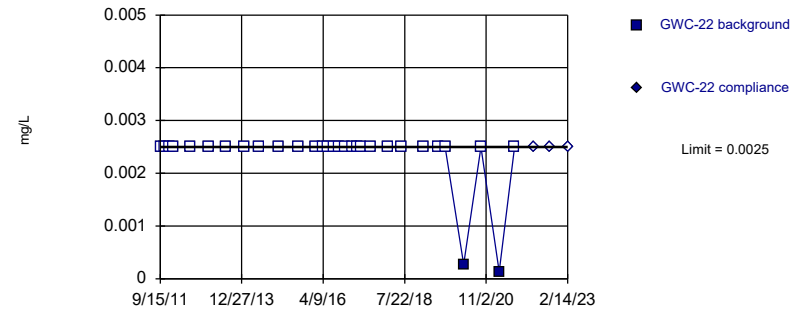


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.002045, Std. Dev.=0.001408, n=30, 23.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9307, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Cobalt Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

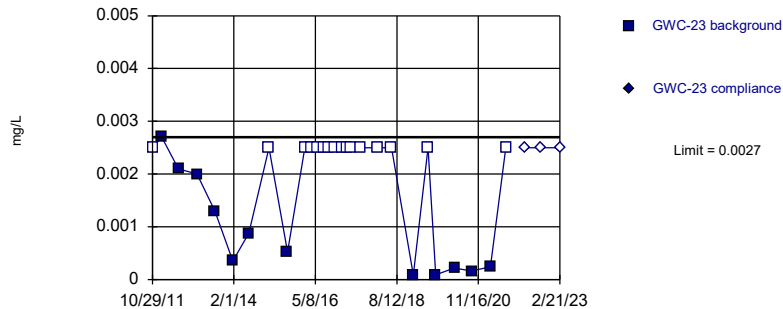


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cobalt Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

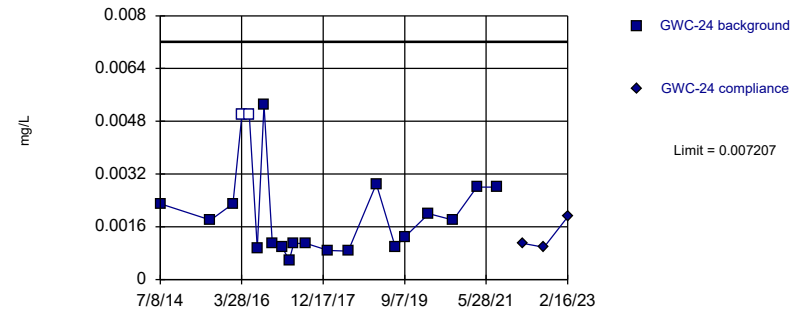


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 57.14% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Cobalt Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

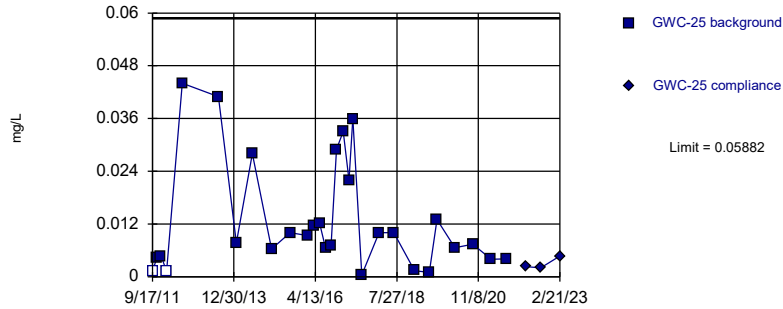


Background Data Summary (based on square root transformation): Mean=0.04342, Std. Dev.=0.01459, n=21, 9.524% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8884, critical = 0.873. Kappa = 2.842 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Cobalt Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

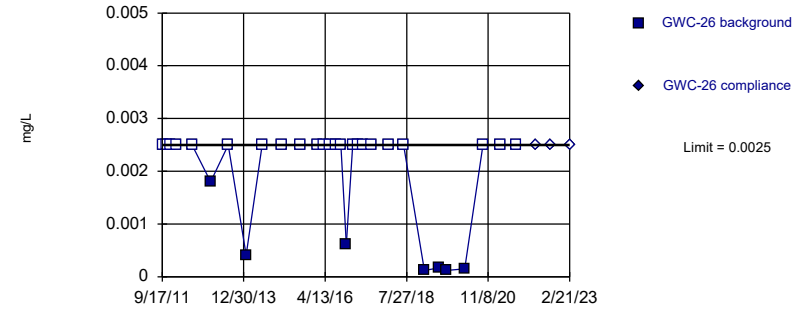


Background Data Summary (based on square root transformation): Mean=0.1007, Std. Dev.=0.05324, n=29, 6.897% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9231, critical = 0.898. Kappa = 2.665 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Cobalt Analysis Run 4/3/2023 9:43 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

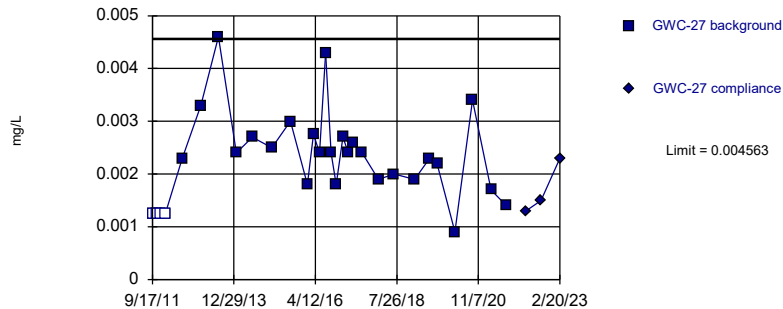


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 76.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cobalt Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

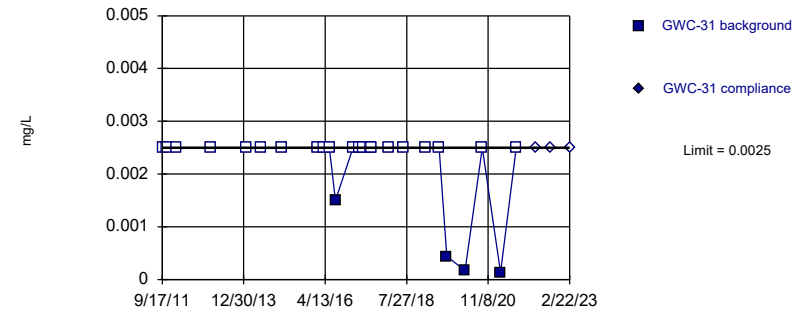


Background Data Summary: Mean=0.002302, Std. Dev.=0.000854, n=30, 13.33% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9349, critical = 0.9. Kappa = 2.648 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Cobalt Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

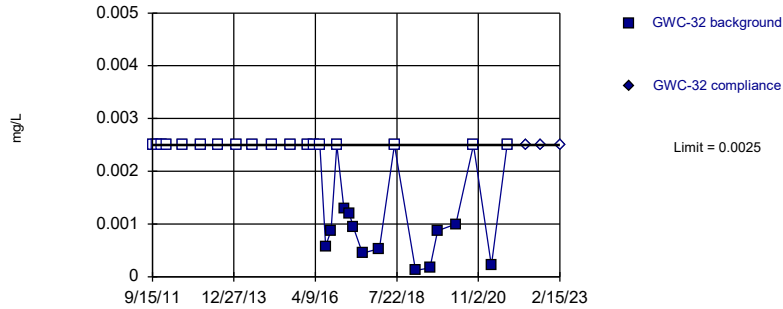


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 84% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Cobalt Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

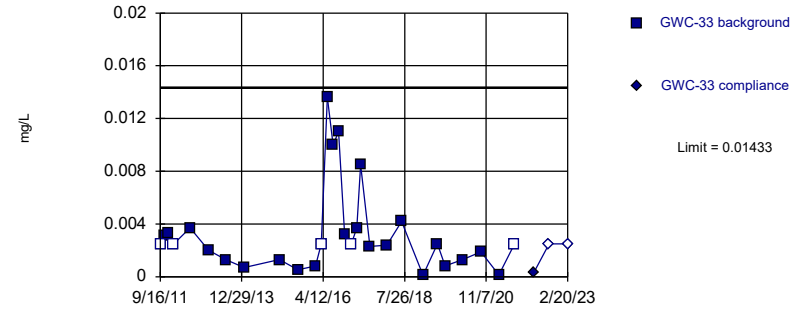


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 60% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cobalt Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

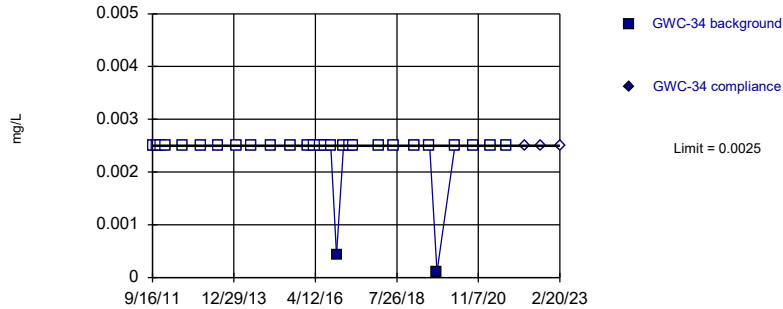


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.04555, Std. Dev.=0.02783, n=29, 17.24% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9027, critical = 0.898. Kappa = 2.665 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Cobalt Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

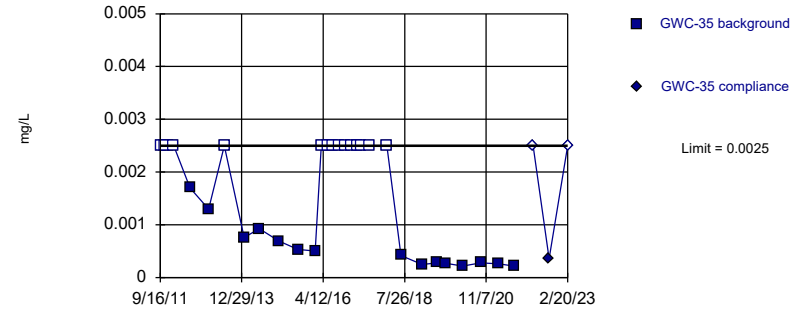


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

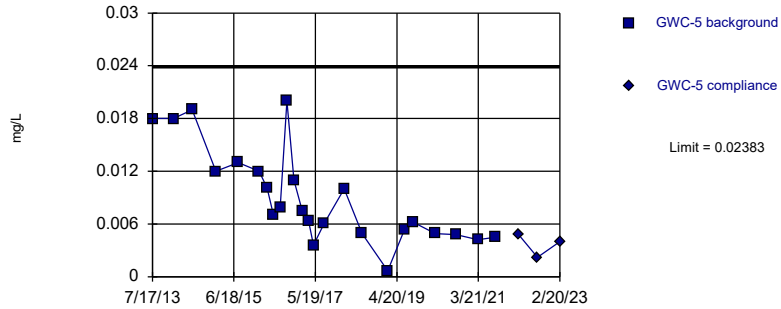


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 30 background values. 46.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Cobalt Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Parametric

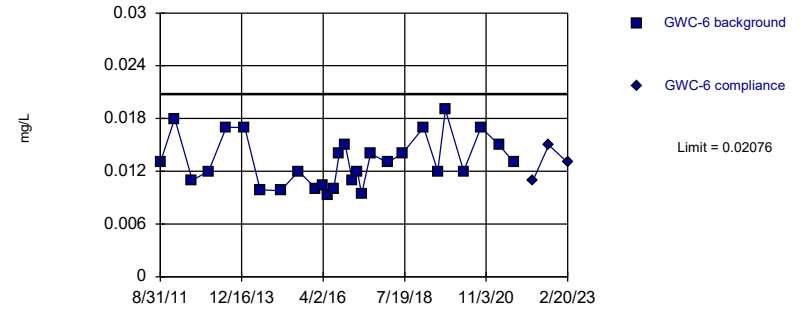


Background Data Summary: Mean=0.009045, Std. Dev.=0.005357, n=24. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9047, critical = 0.884. Kappa = 2.76 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Cobalt Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Parametric

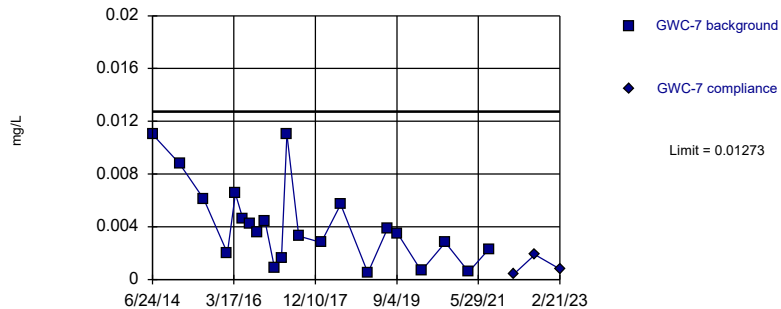


Background Data Summary: Mean=0.0131, Std. Dev.=0.002856, n=28. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9257, critical = 0.896. Kappa = 2.682 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Cobalt Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Parametric

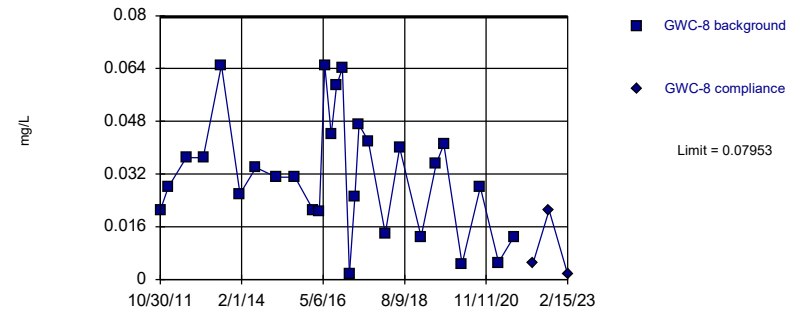


Background Data Summary: Mean=0.004127, Std. Dev.=0.003055, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8943, critical = 0.878. Kappa = 2.815 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Cobalt Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Parametric

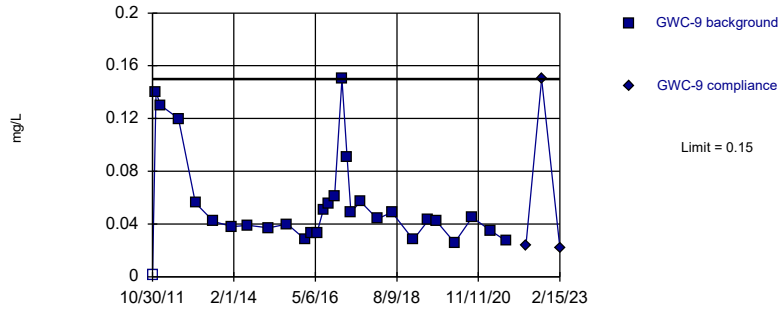


Background Data Summary: Mean=0.0319, Std. Dev.=0.01776, n=28. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9573, critical = 0.896. Kappa = 2.682 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Cobalt Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

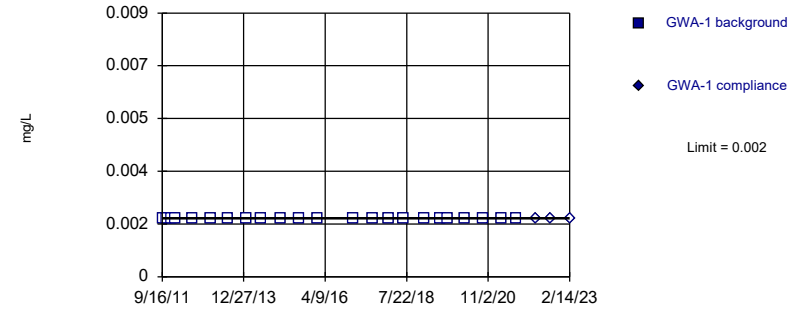


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 29 background values. 3.448% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Cobalt Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

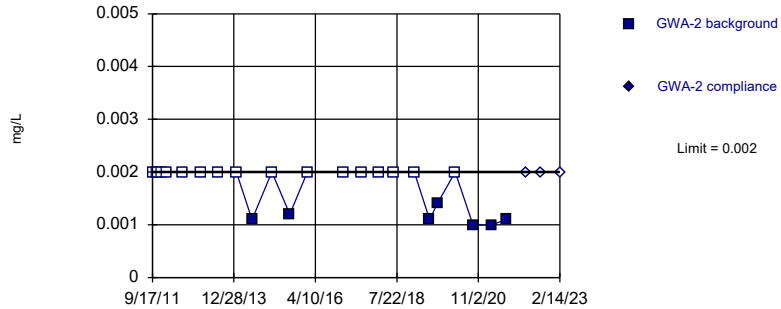


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 23) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

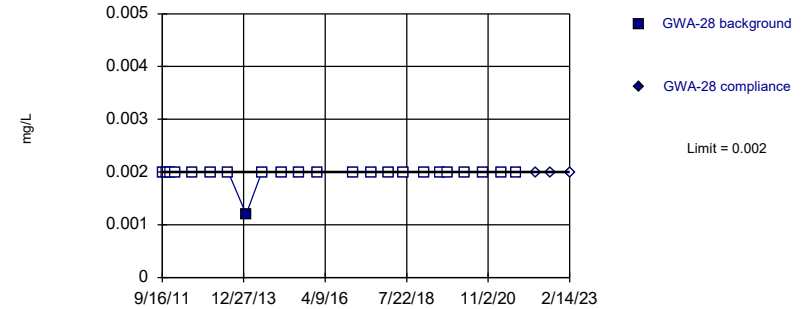


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 69.57% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric



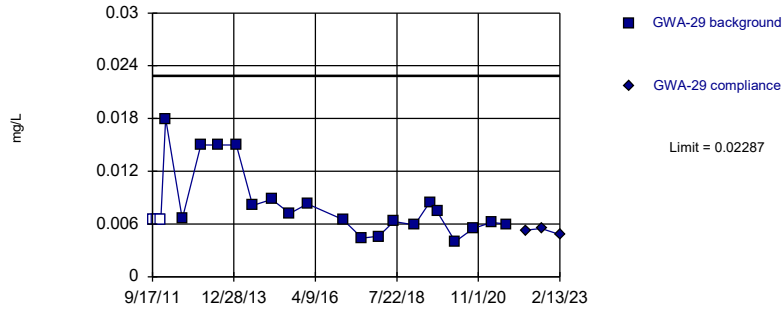
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill



Within Limit

Prediction Limit  
Intrawell Parametric

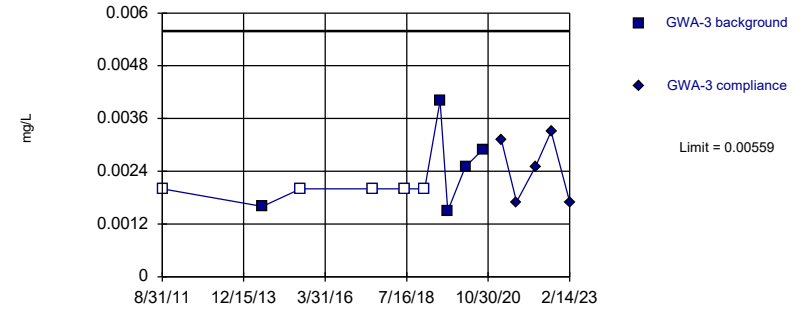


Background Data Summary (based on natural log transformation): Mean=-4.898, Std. Dev.=0.4019, n=23, 13.04% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8915, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Copper Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

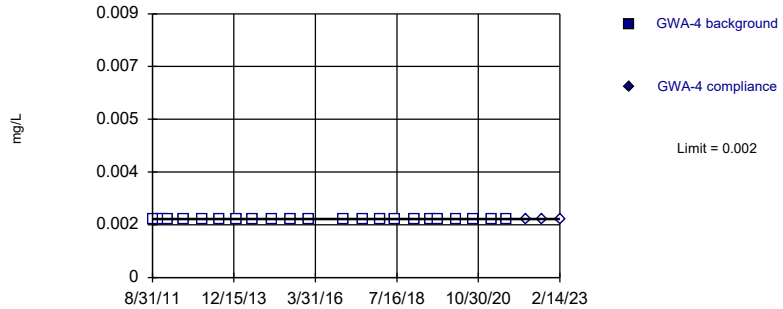


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.04427, Std. Dev.=0.008099, n=10, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8428, critical = 0.842. Kappa = 3.766 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Copper Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

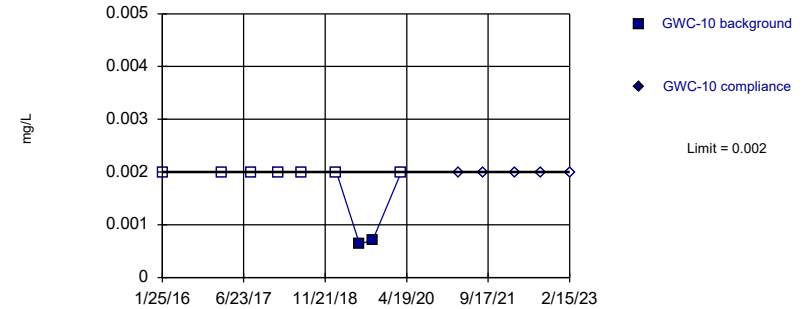


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 23) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

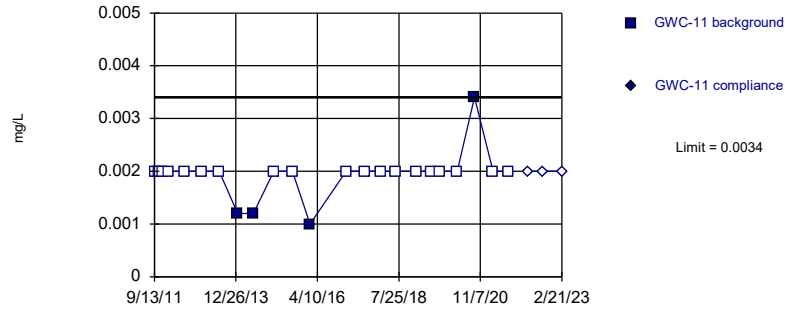


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 9 background values. 77.78% NDs. Well-constituent pair annual alpha = 0.03586. Individual comparison alpha = 0.01809 (1 of 2).

Constituent: Copper Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

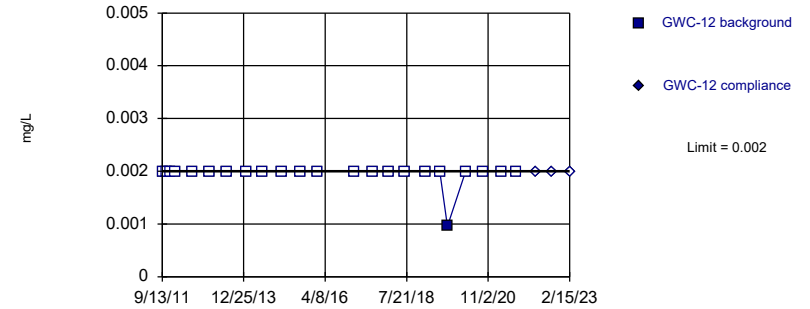


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 82.61% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

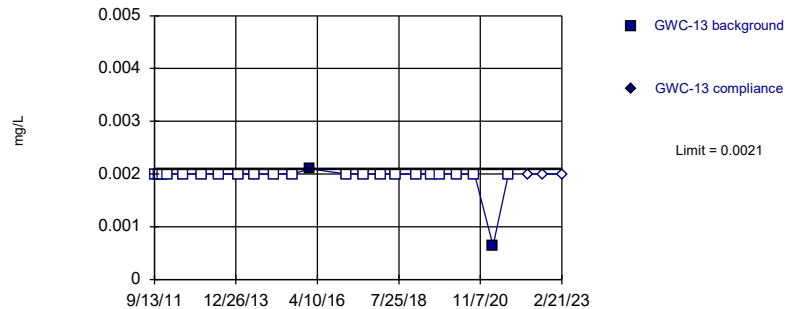


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

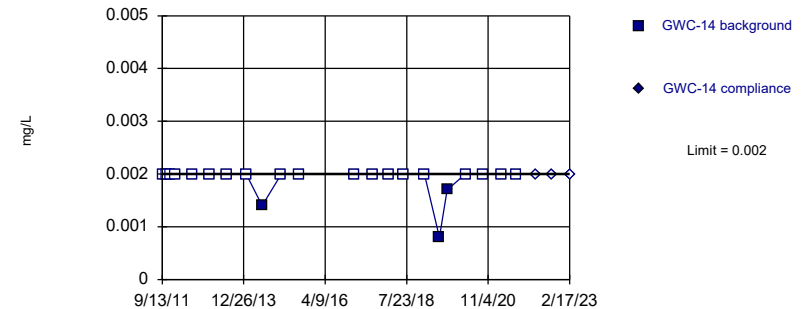


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

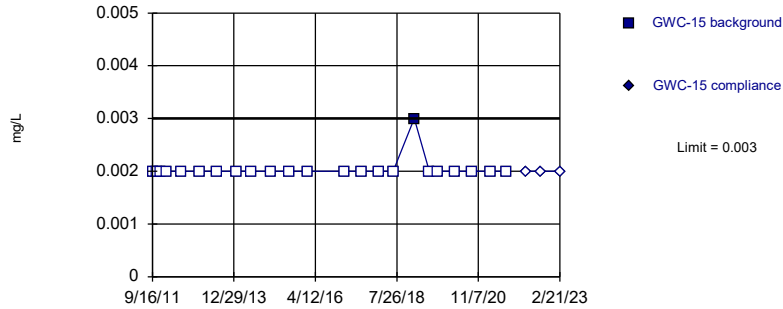


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 86.36% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Copper Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

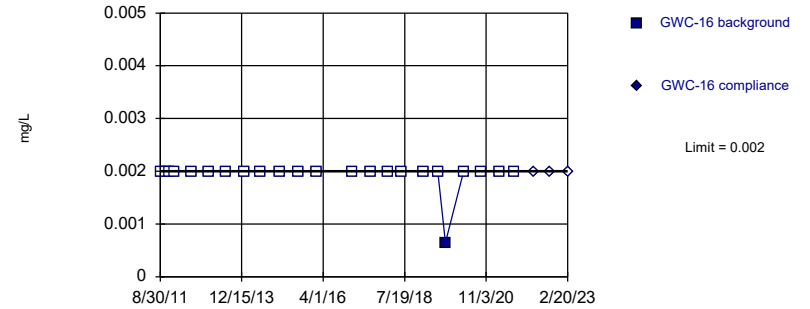


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

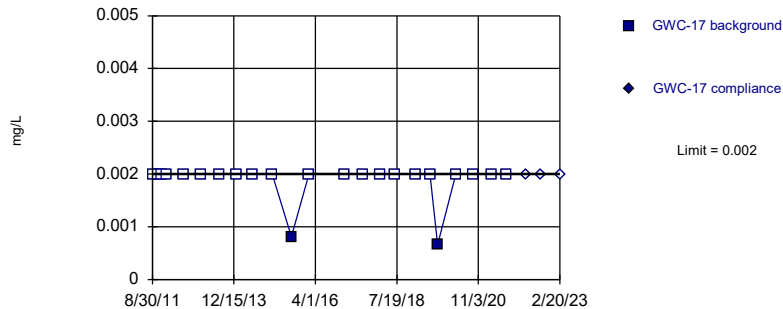


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

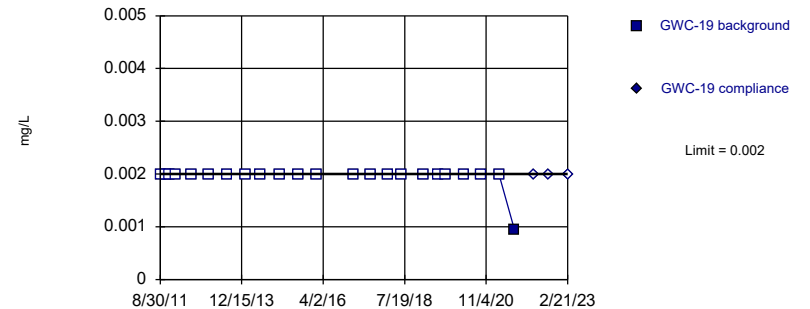


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

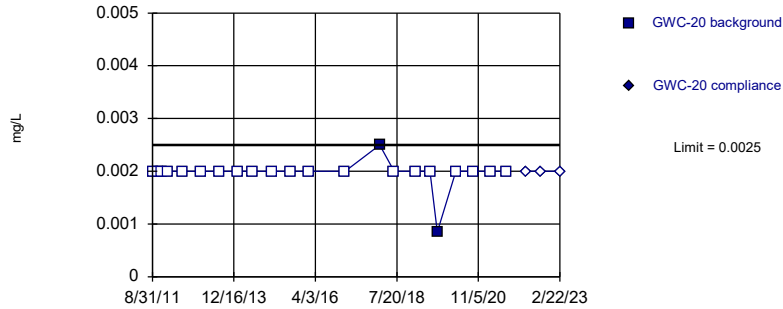


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

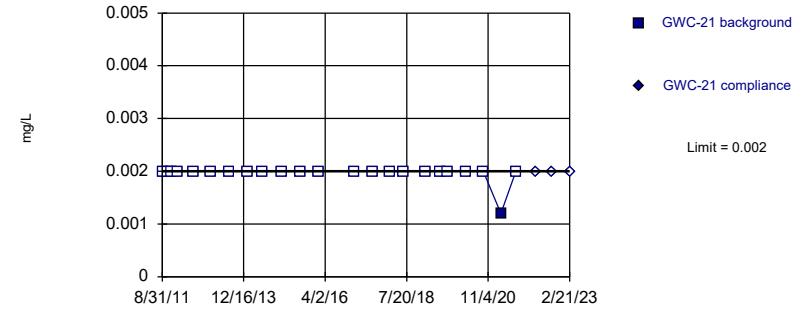


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Copper Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

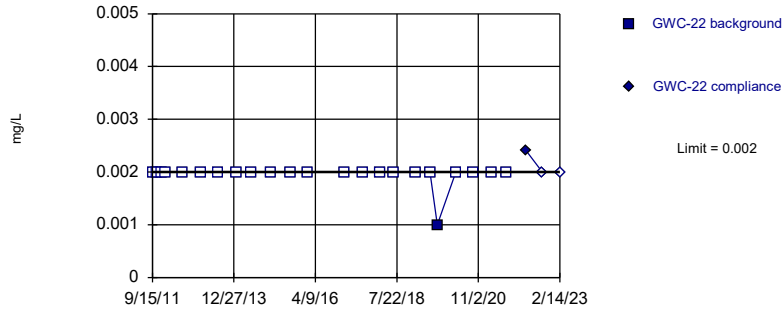


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

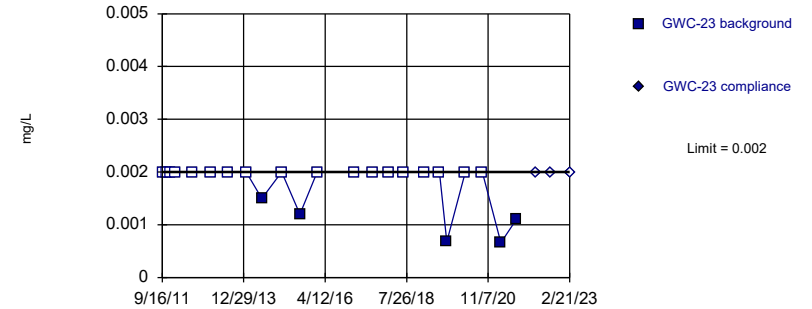


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

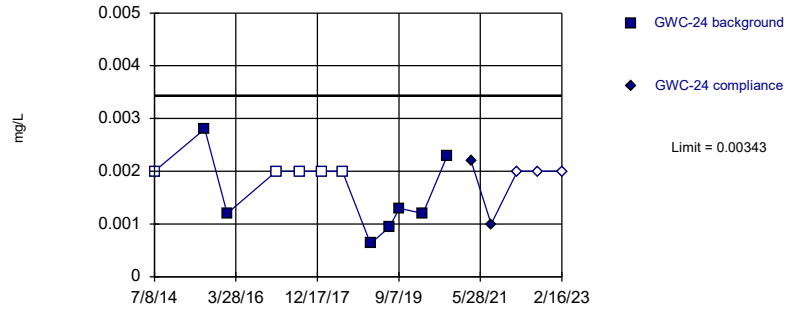


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 78.26% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

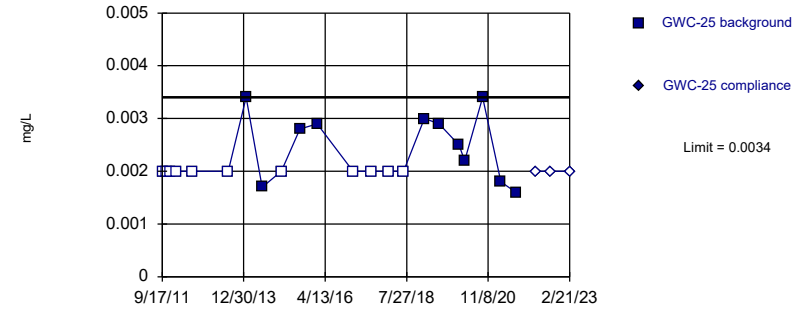


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.001234, Std. Dev.=0.0006425, n=12, 41.67% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9264, critical = 0.859. Kappa = 3.418 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Copper Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

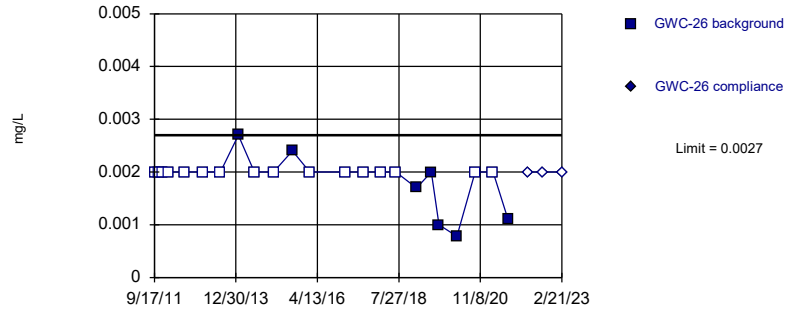


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 22 background values. 50% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Copper Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

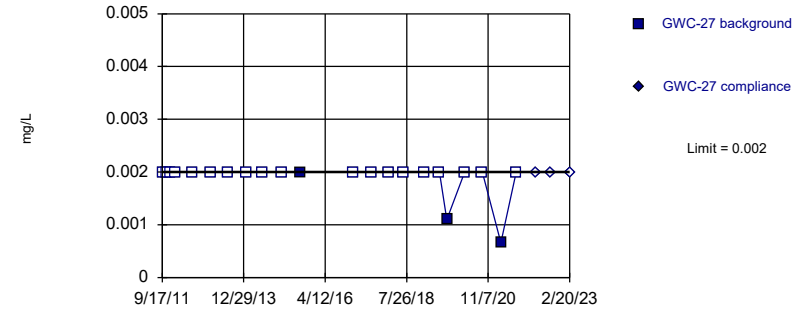


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 69.57% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

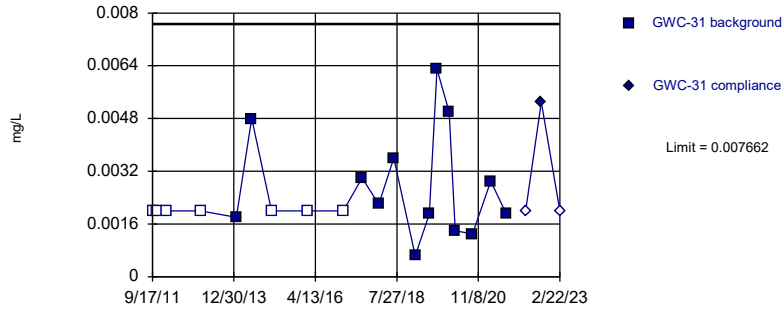


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 86.36% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Copper Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

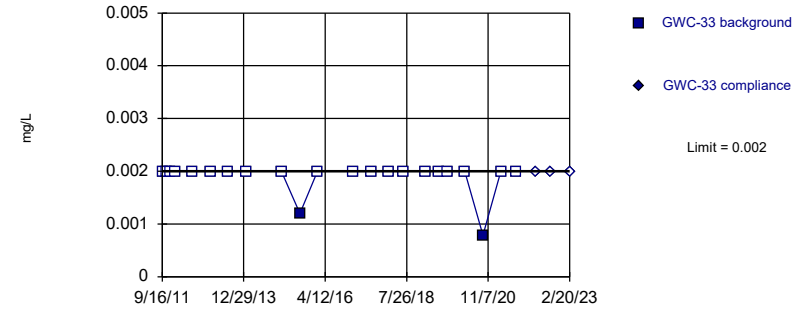


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.04559, Std. Dev.=0.01462, n=20, 35% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8792, critical = 0.868. Kappa = 2.869 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Copper Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

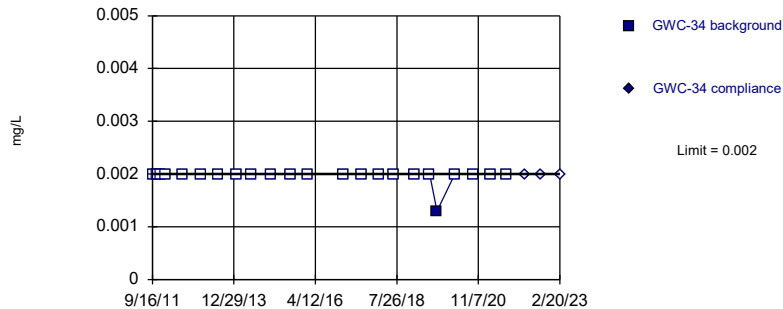


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 90.91% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Copper Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

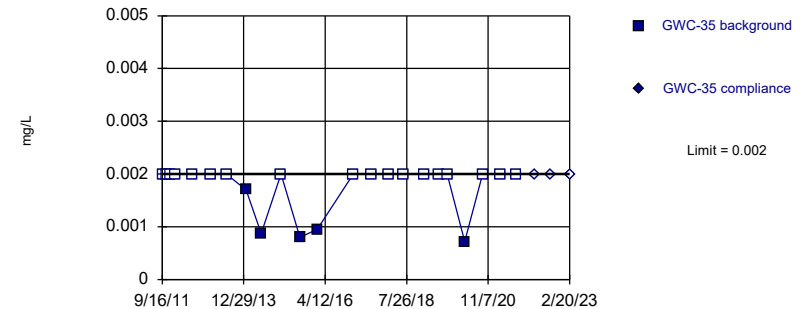


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 4/3/2023 9:44 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

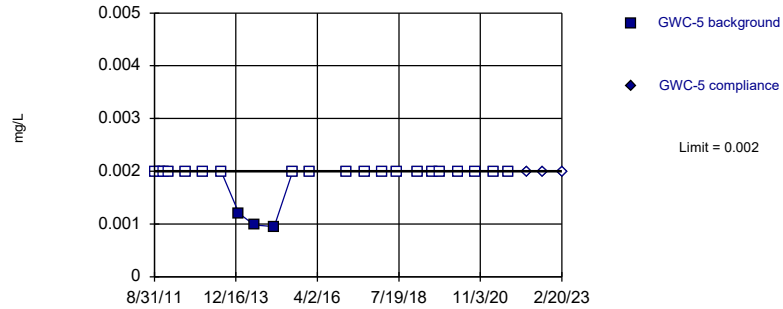


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 78.26% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

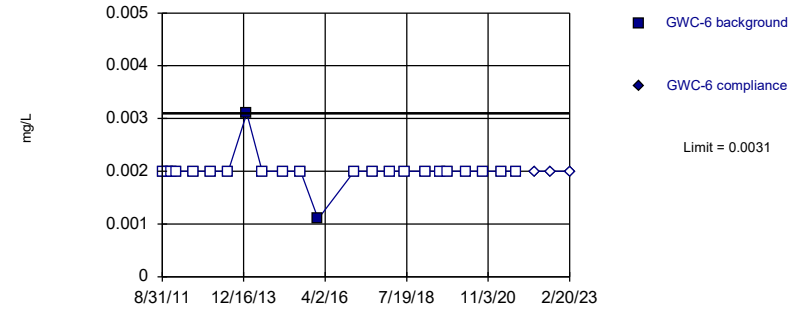


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

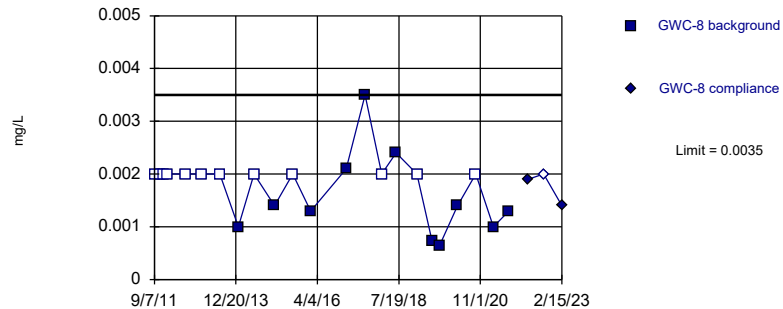


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

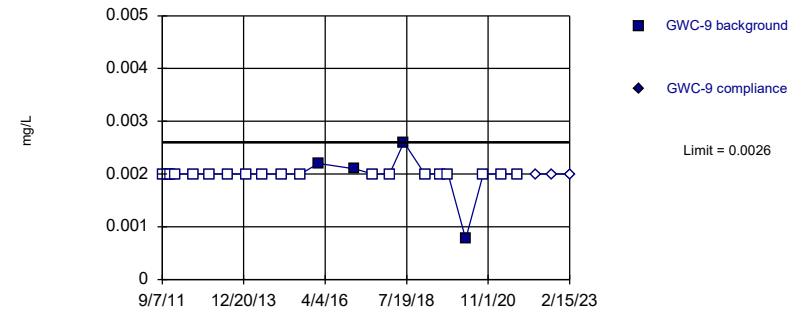


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 52.17% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

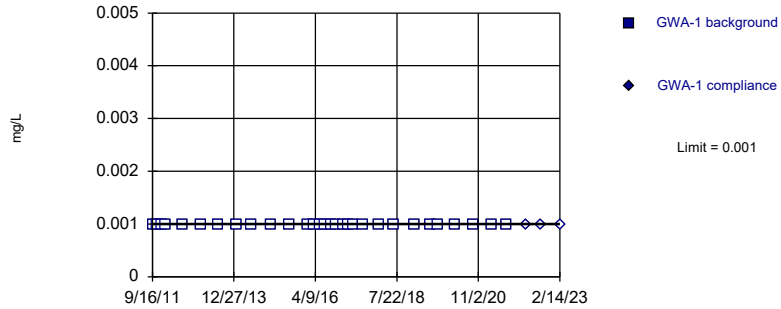


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 82.61% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Copper Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

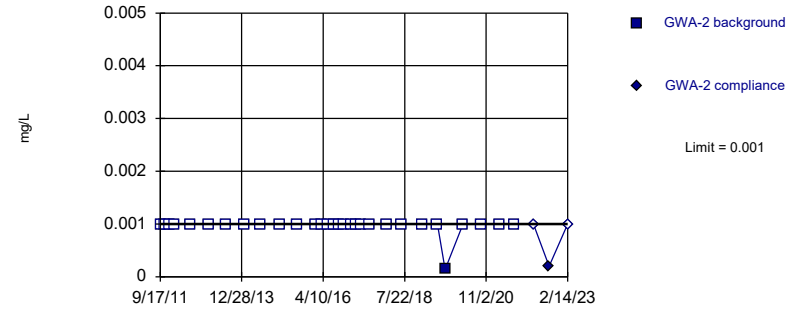


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 30) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Lead Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

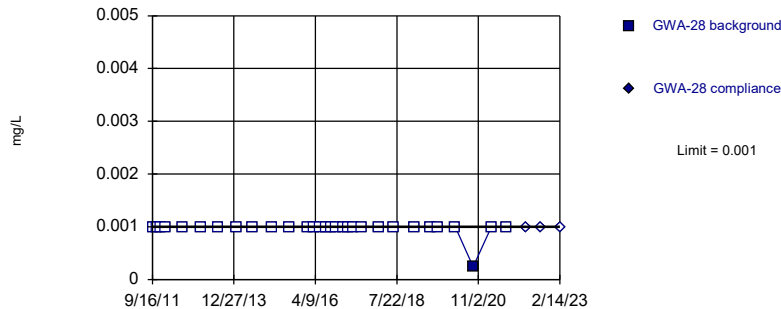


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Lead Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

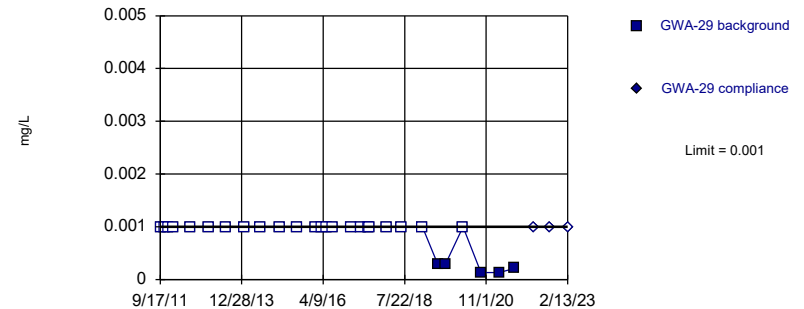


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Lead Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric



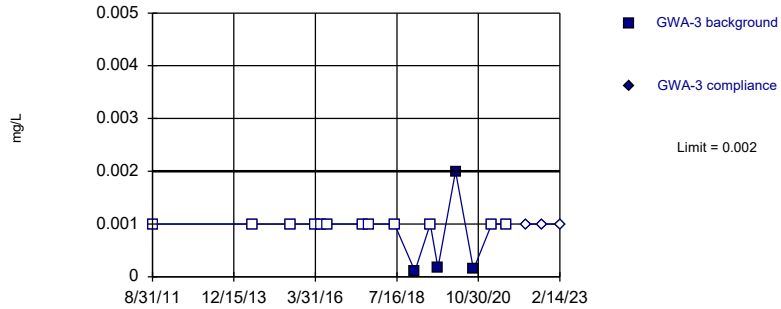
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 82.14% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Lead Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill



Within Limit

Prediction Limit  
Intrawell Non-parametric

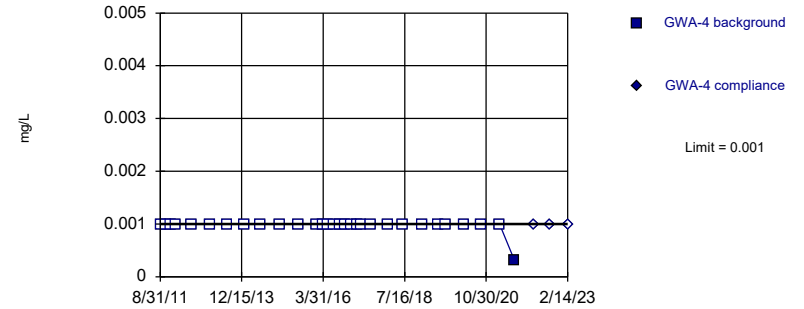


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Lead Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

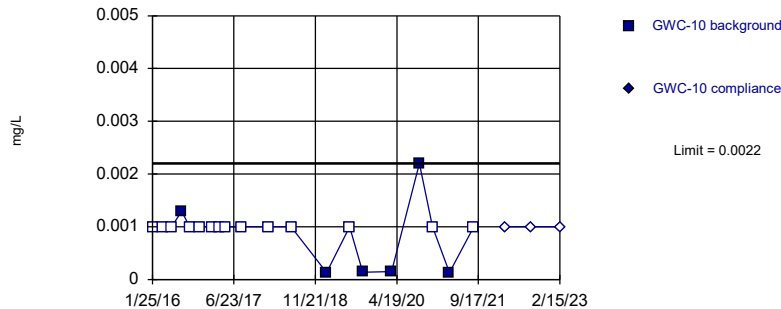


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Lead Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

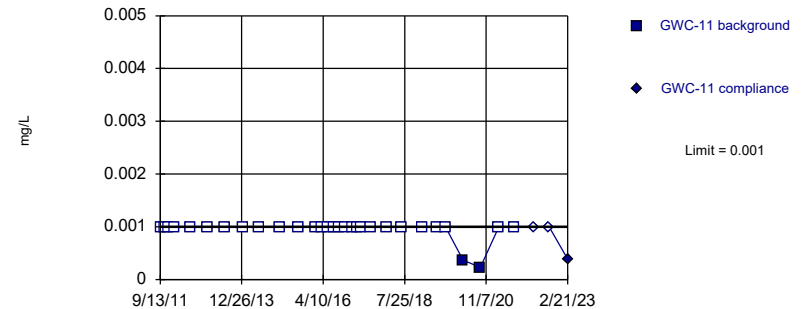


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 70% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Lead Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

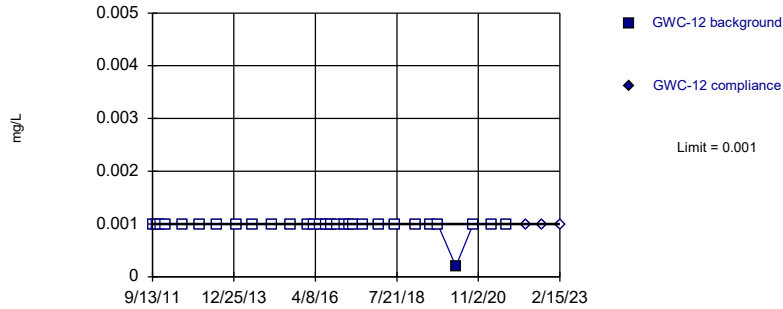


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Lead Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

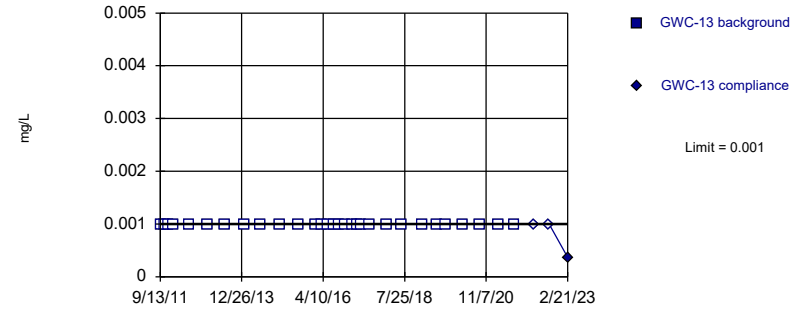


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Lead Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

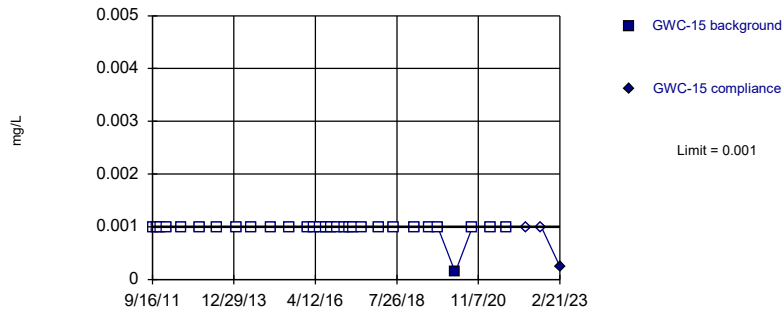


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 30) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Lead Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

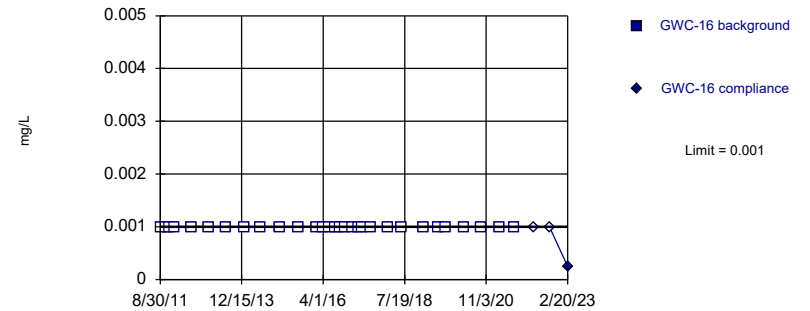


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Lead Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

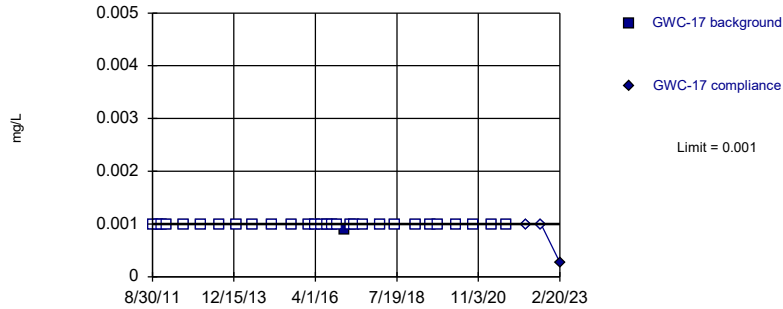


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 30) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Lead Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

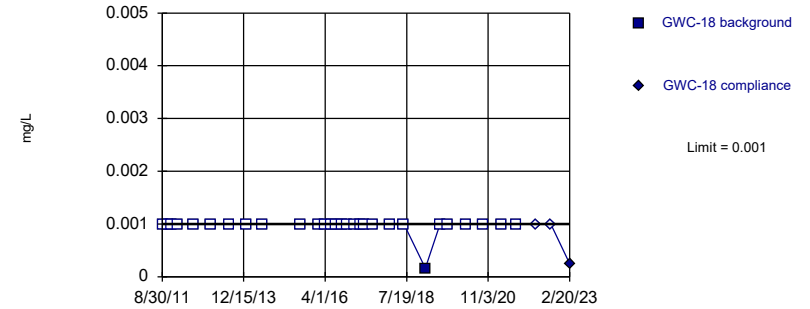


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Lead Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

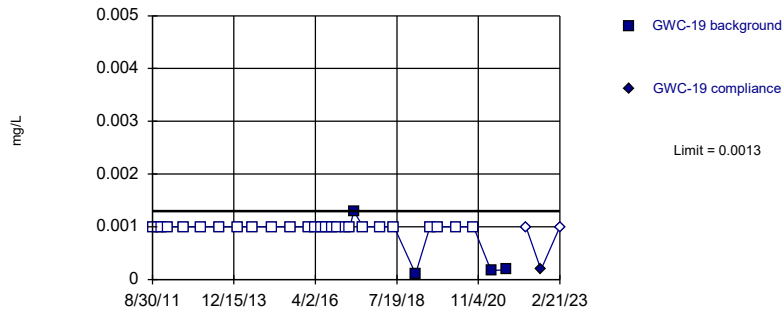


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Lead Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

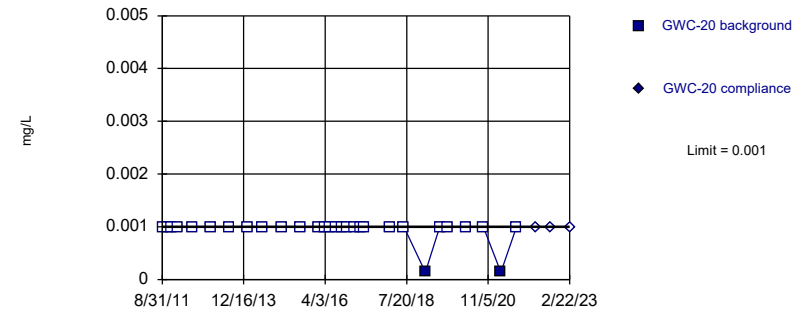


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Lead Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

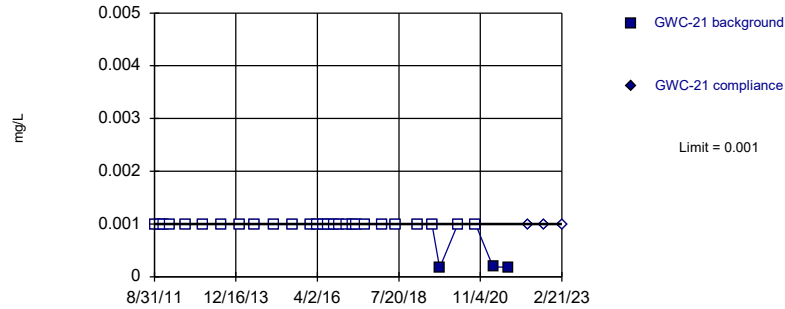


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 93.1% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Lead Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

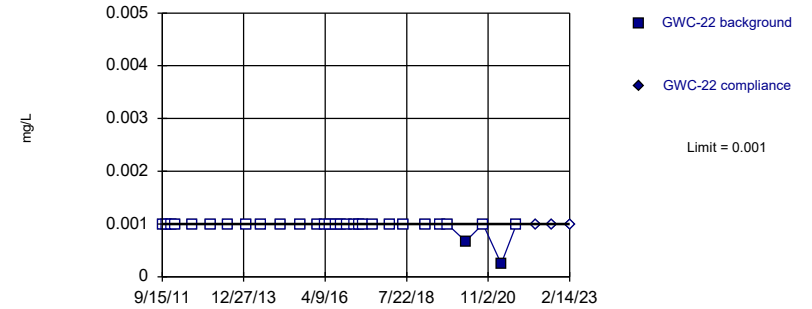


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 90% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Lead Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

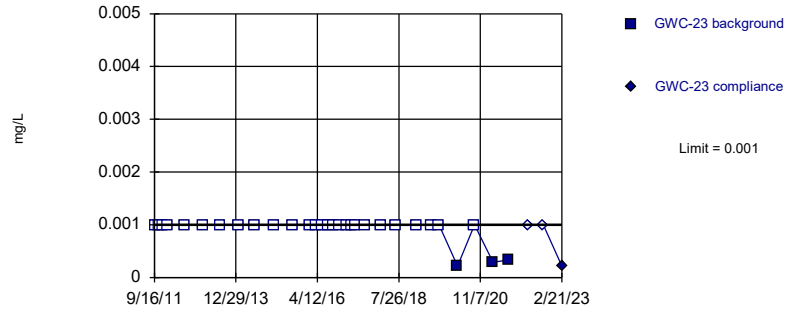


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Lead Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

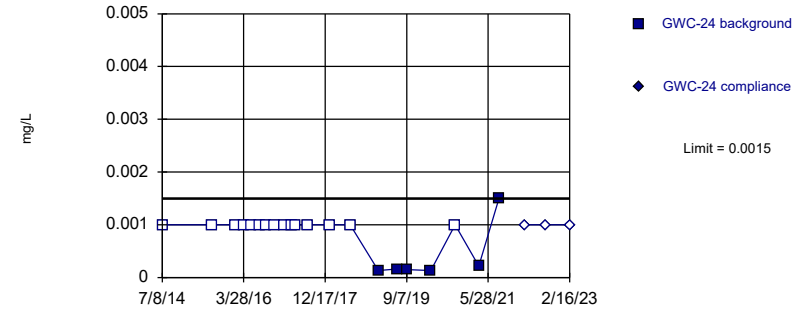


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 90% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Lead Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

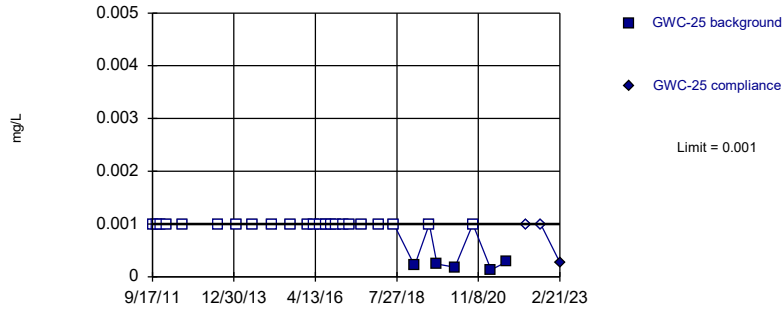


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 71.43% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Lead Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

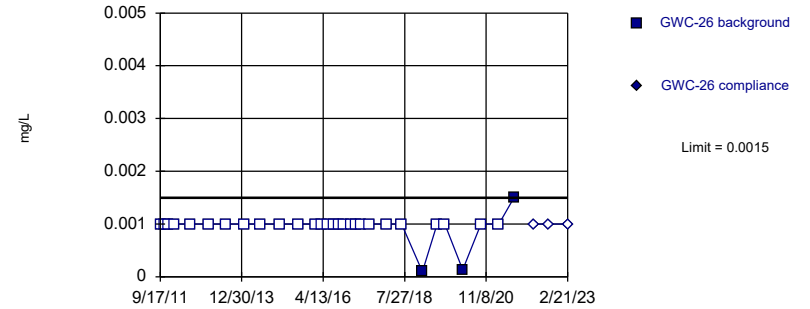


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 82.14% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Lead Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

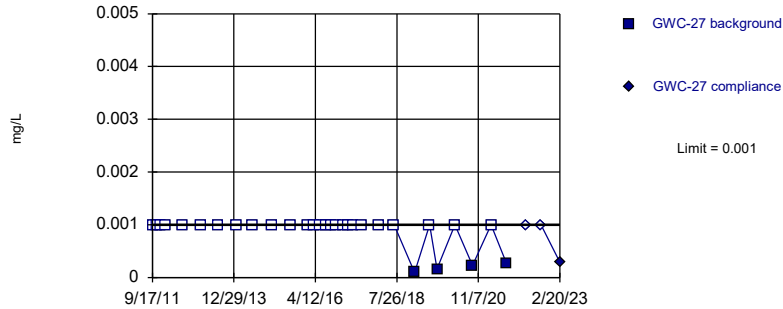


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 90% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Lead Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

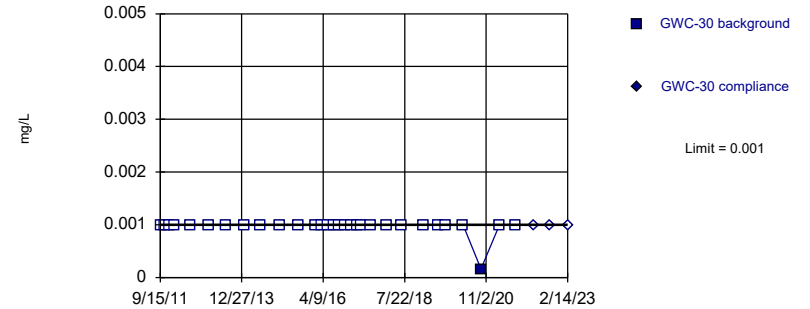


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Lead Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

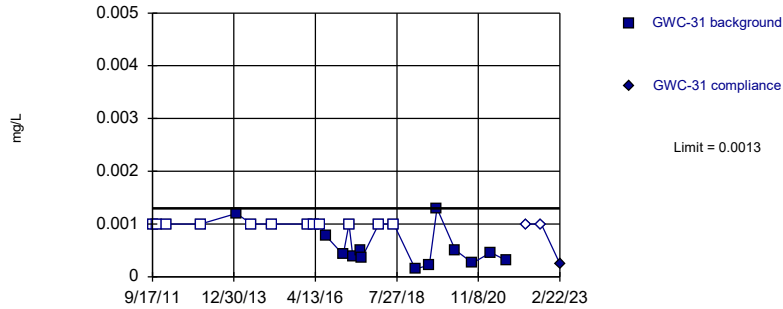


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Lead Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

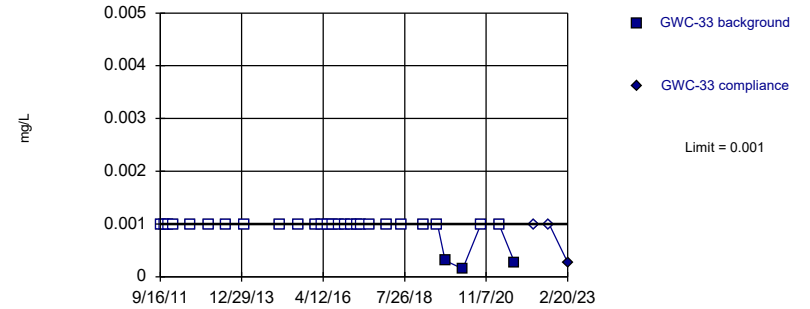


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 25 background values. 48% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Lead Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

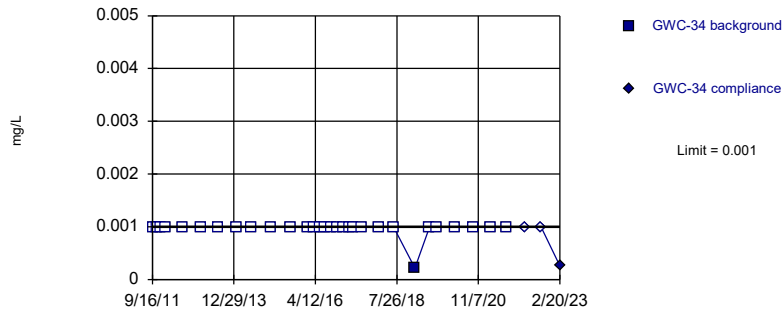


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Lead Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

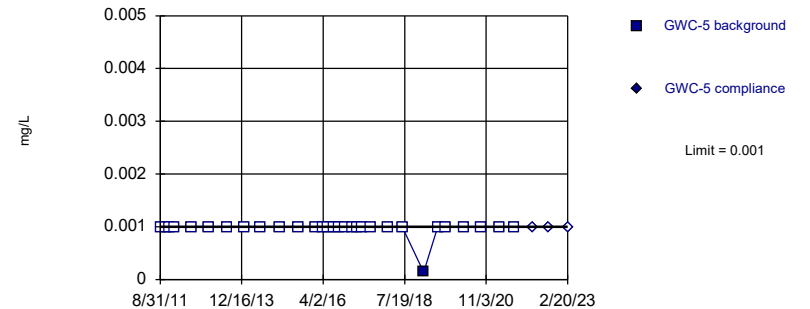


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Lead Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

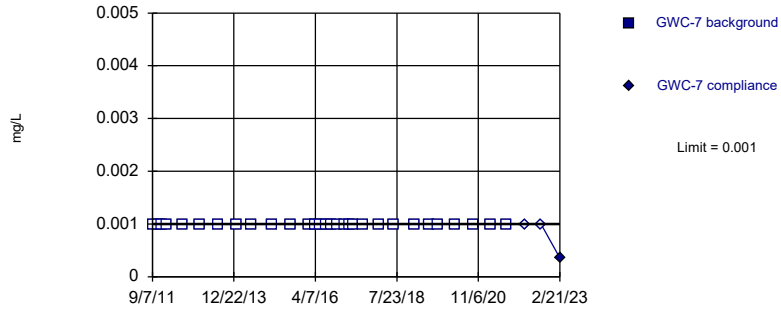


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Lead Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

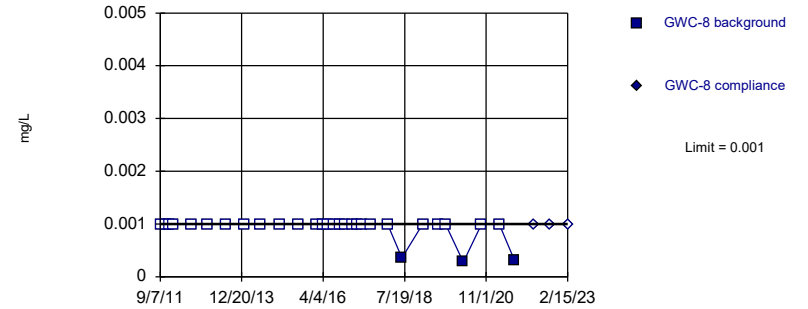


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 30) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Lead Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

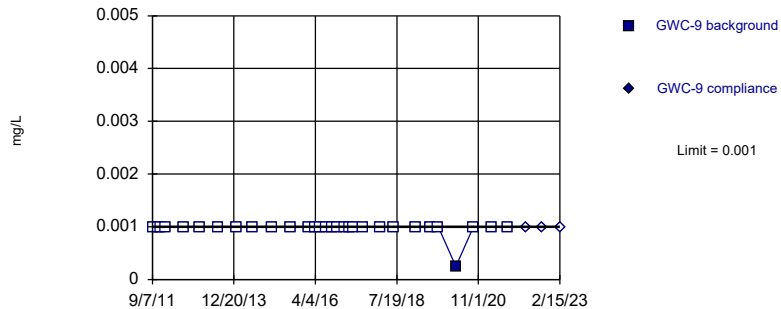


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 90% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Lead Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

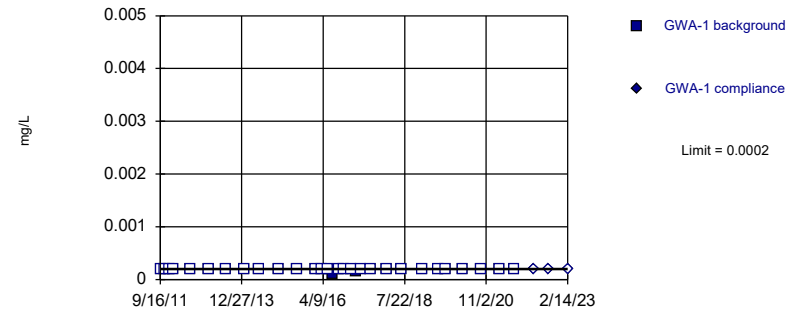


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Lead Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

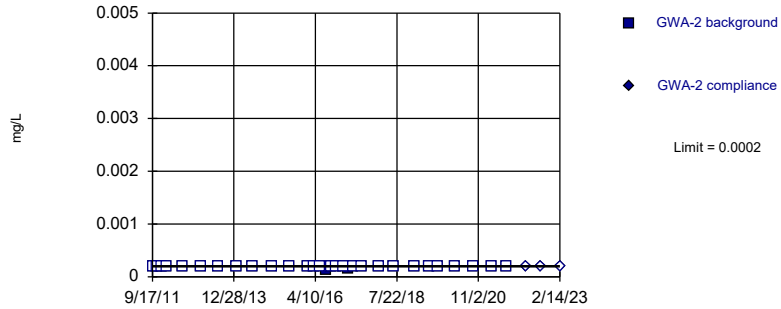


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

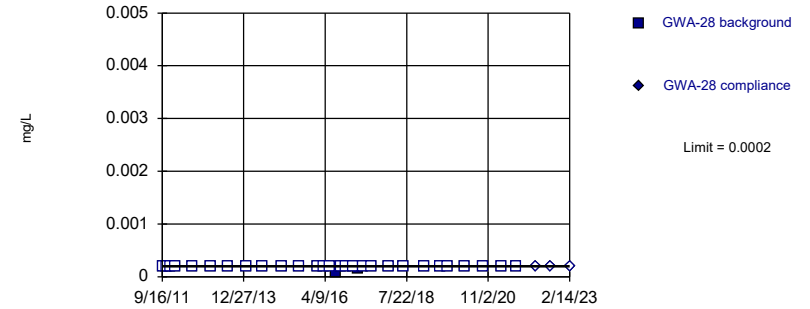


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

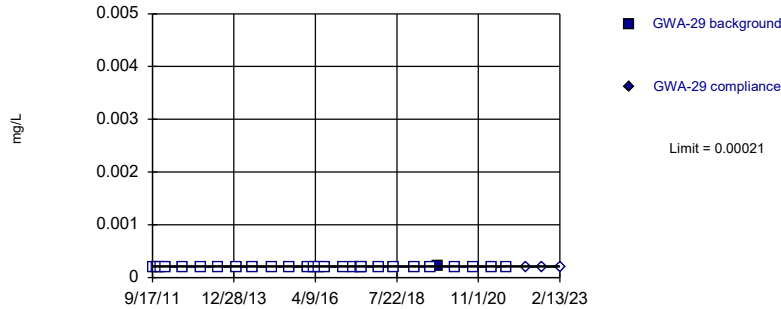


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:45 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

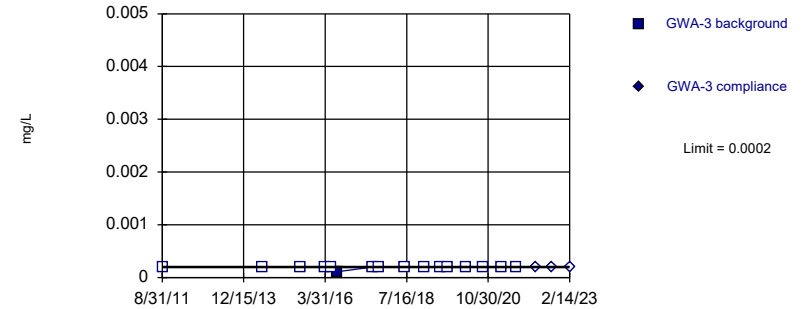


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric



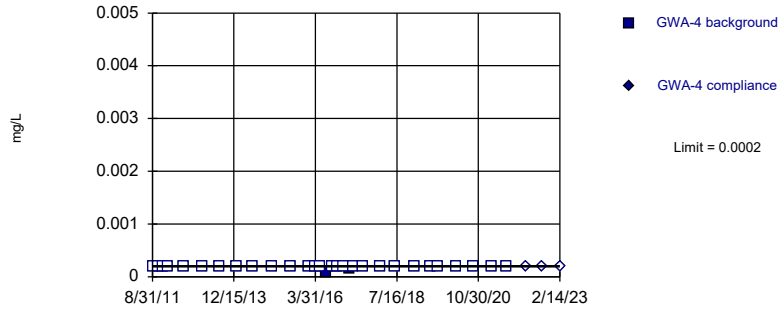
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 16 background values. 93.75% NDs. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill



Within Limit

### Prediction Limit Intrawell Non-parametric

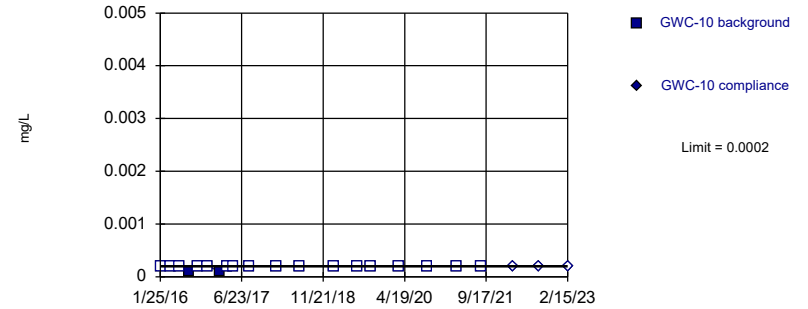


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

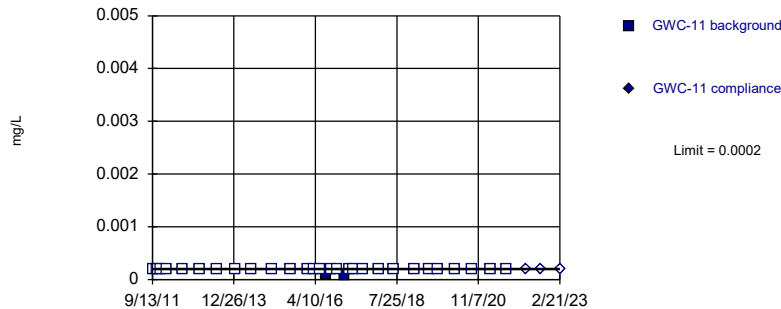


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

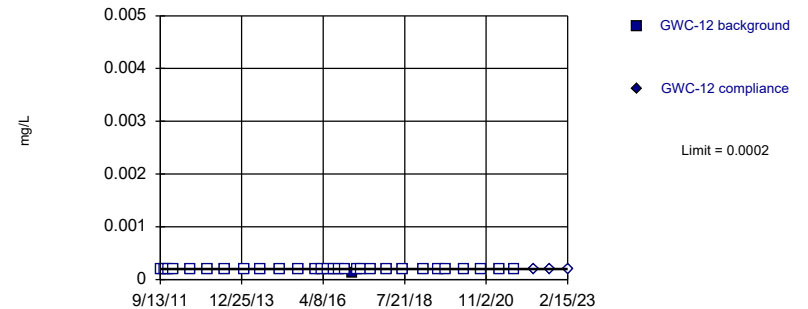


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

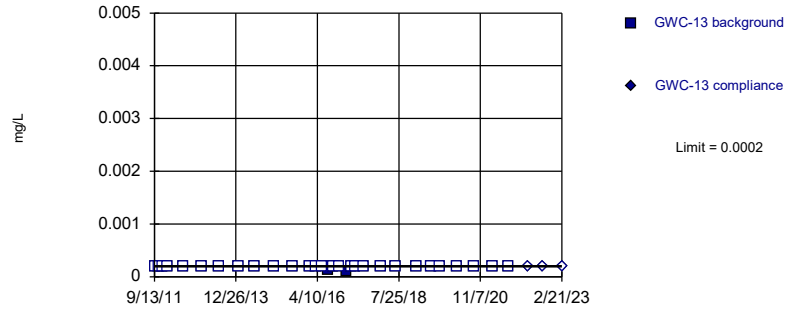


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

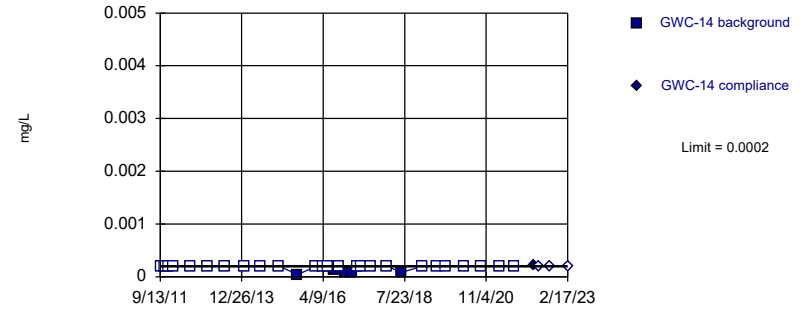


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

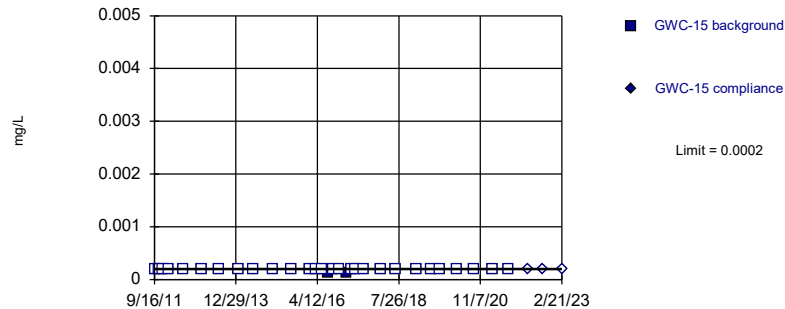


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 83.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

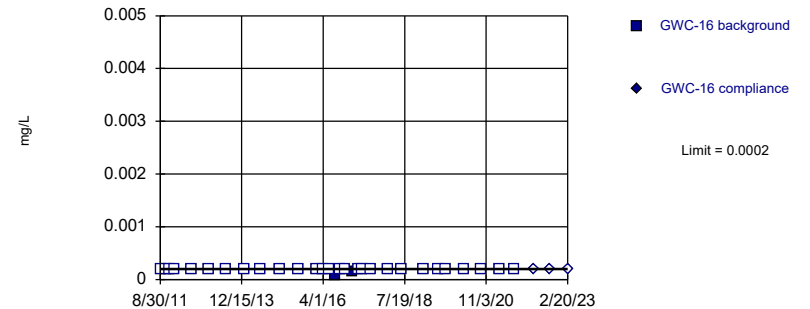


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

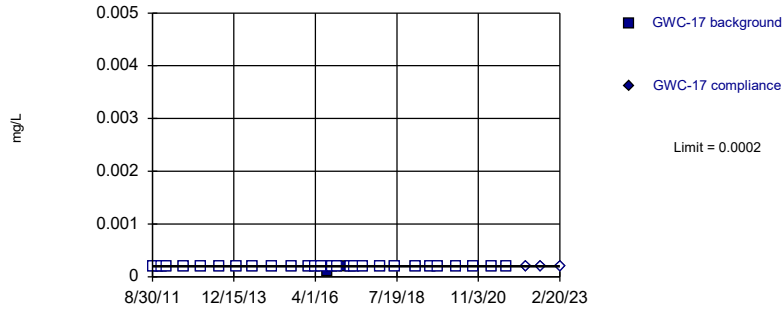


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

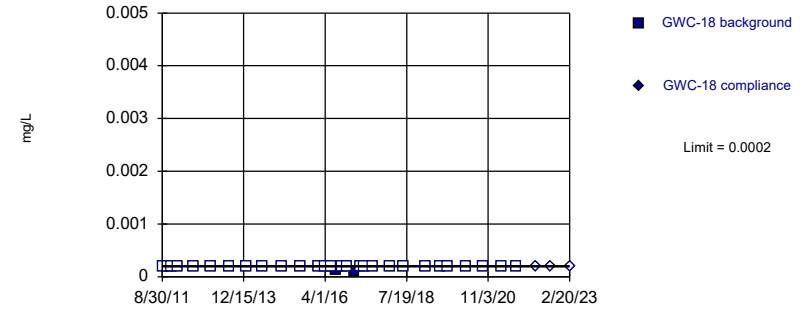


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

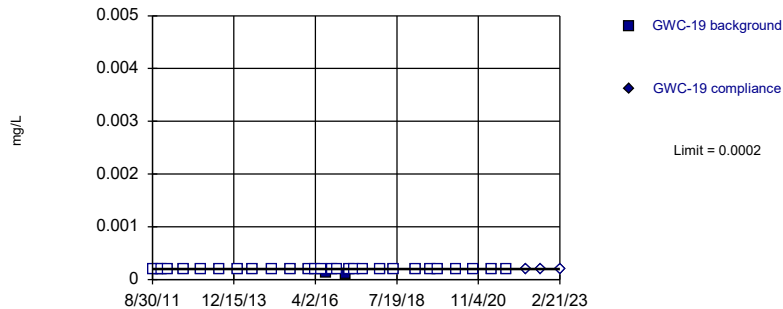


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

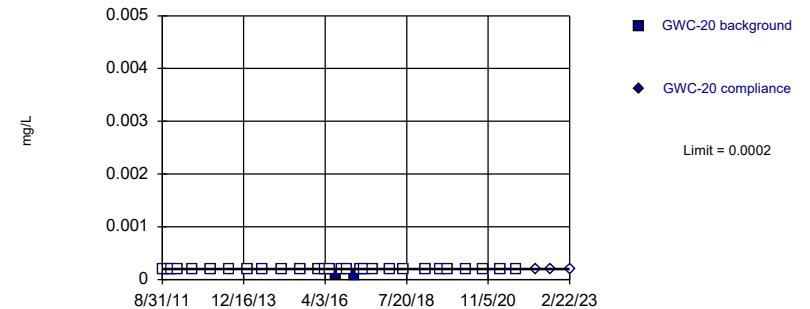


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

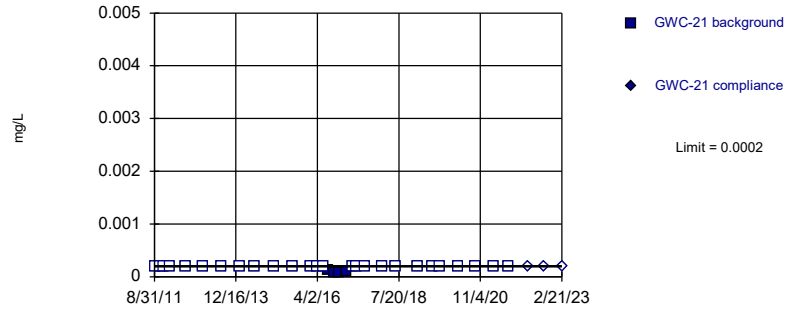


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

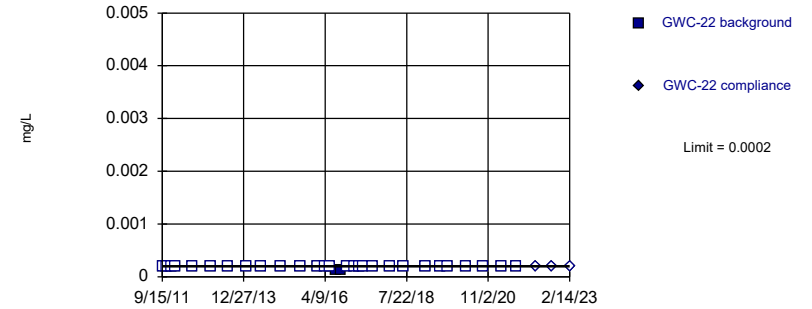


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

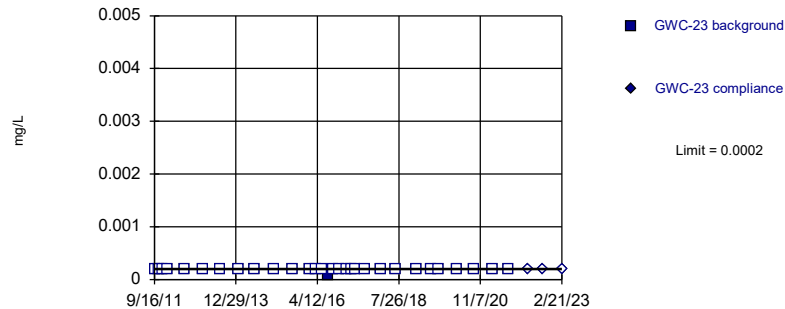


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

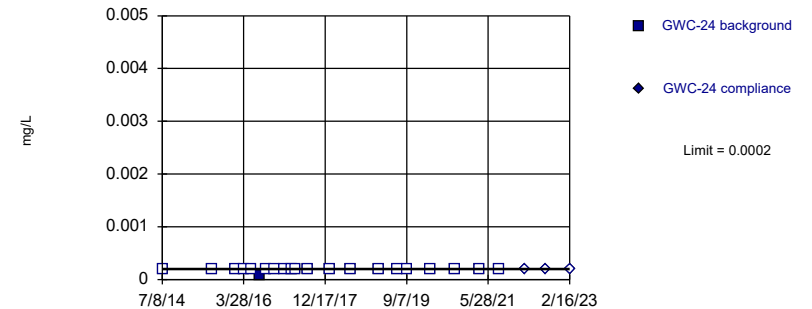


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

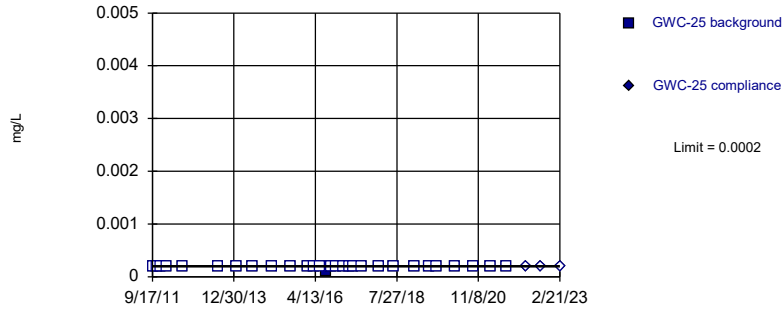


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 95.24% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

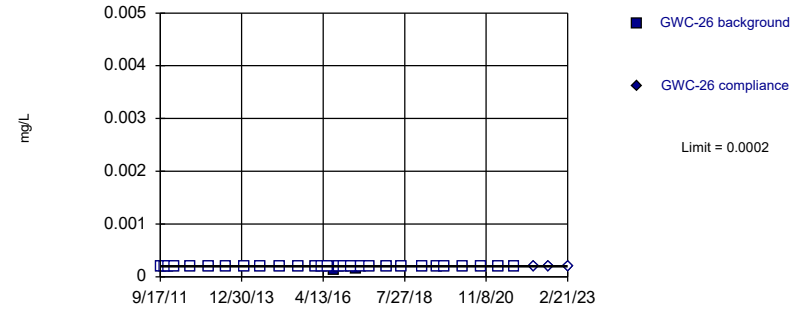


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

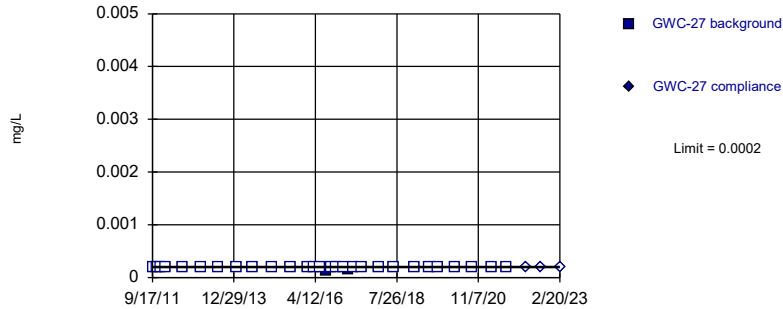


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

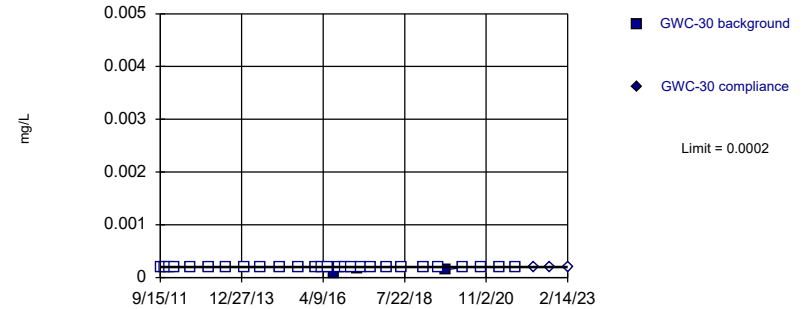


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

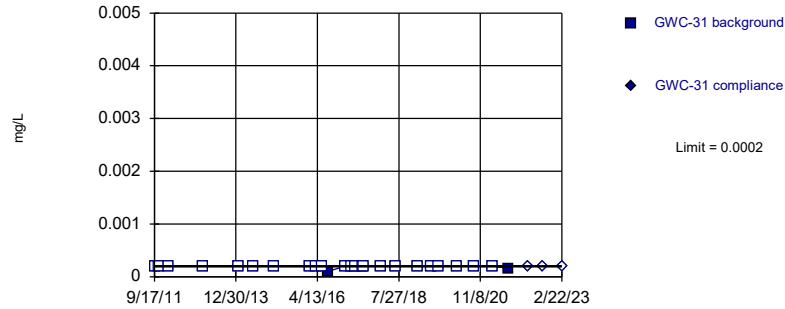


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 90% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

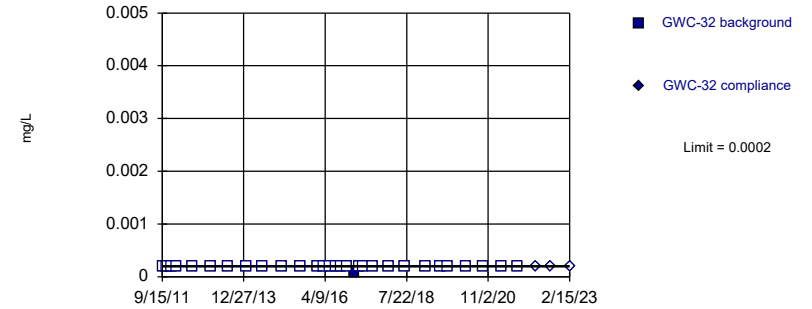


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 92% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

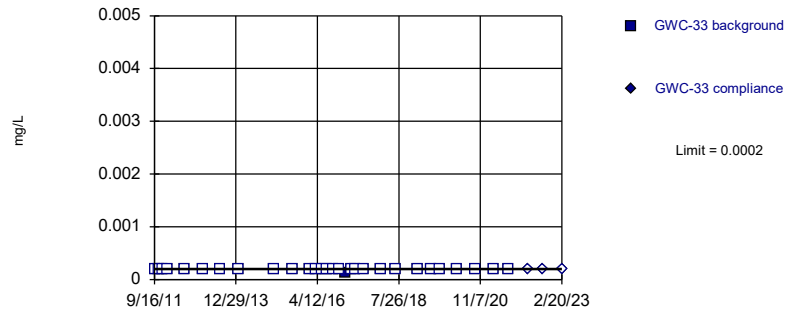


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

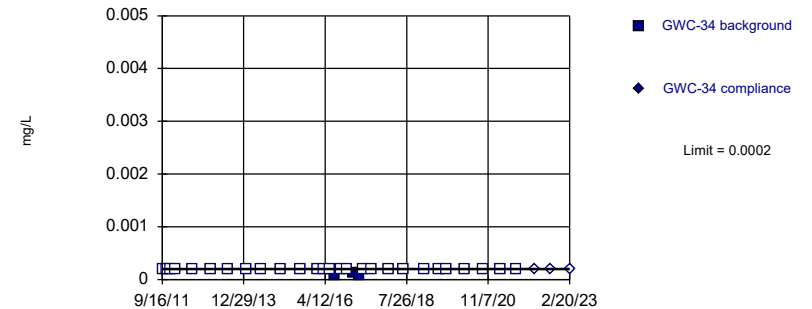


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

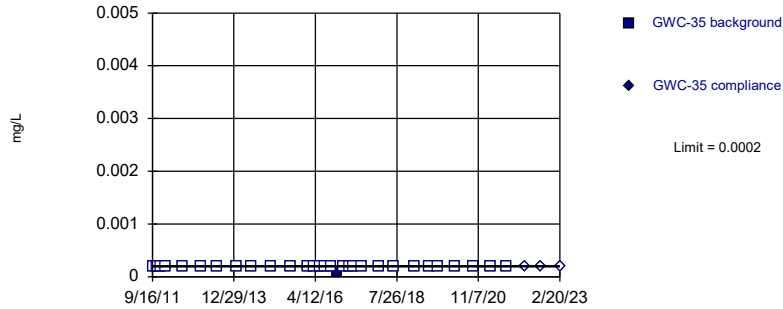


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 90% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

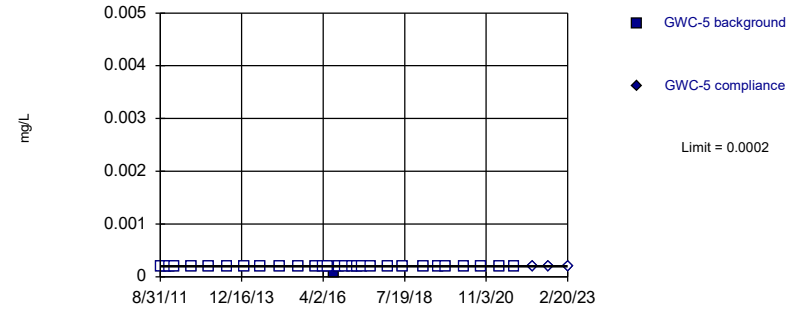


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

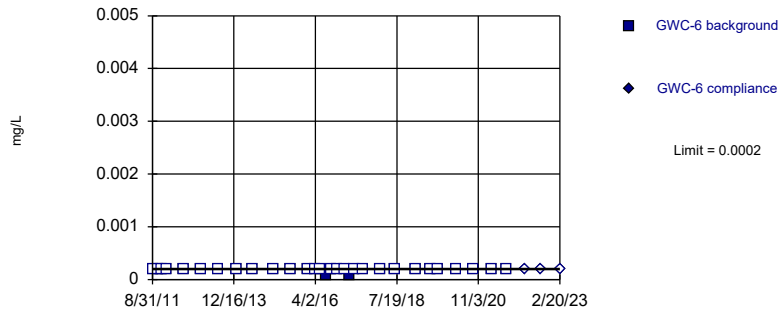


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

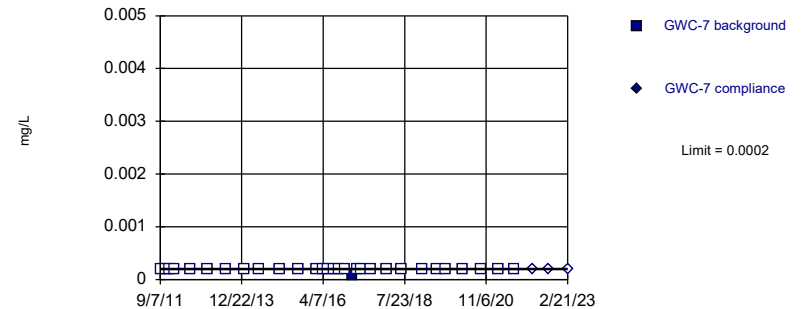


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

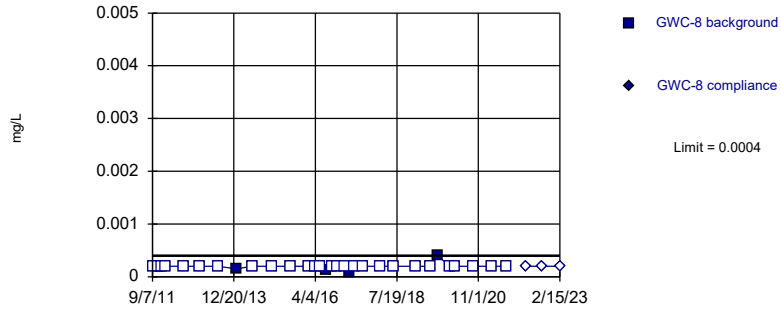


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

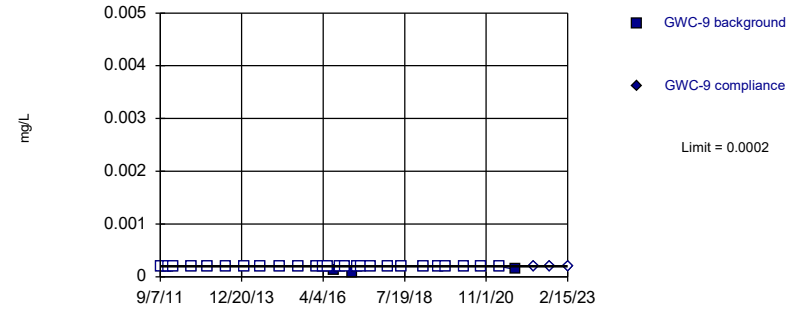


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 87.1% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

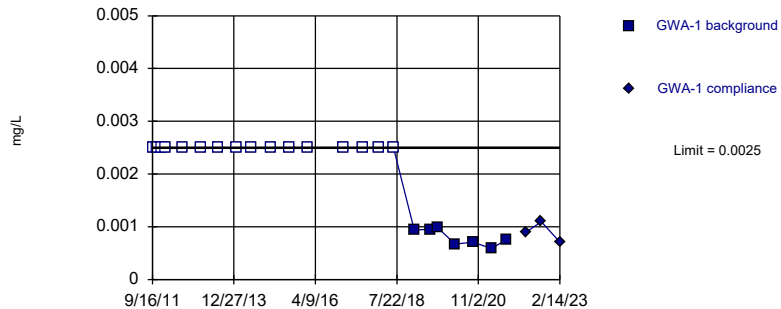


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 90% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Mercury Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

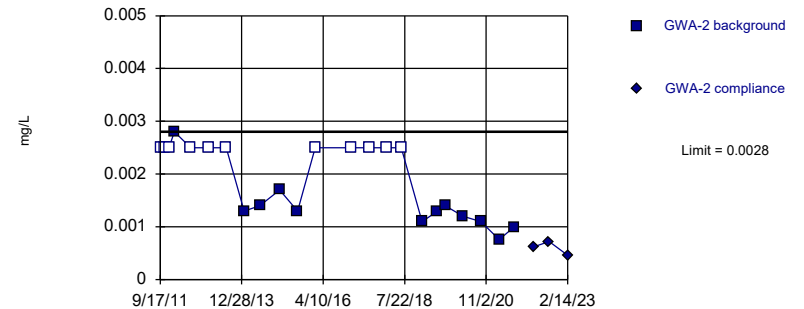


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 69.57% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric



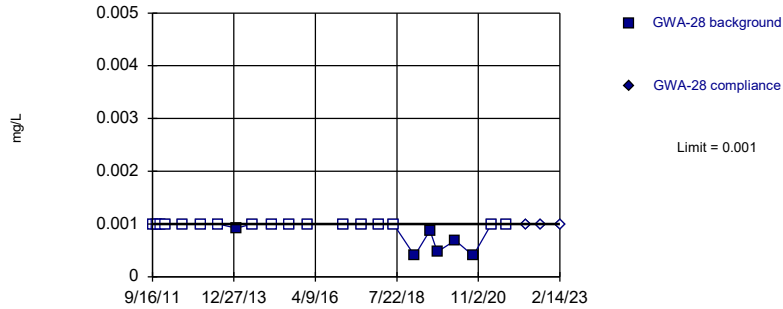
Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 23 background values. 47.83% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill



Within Limit

Prediction Limit  
Intrawell Non-parametric

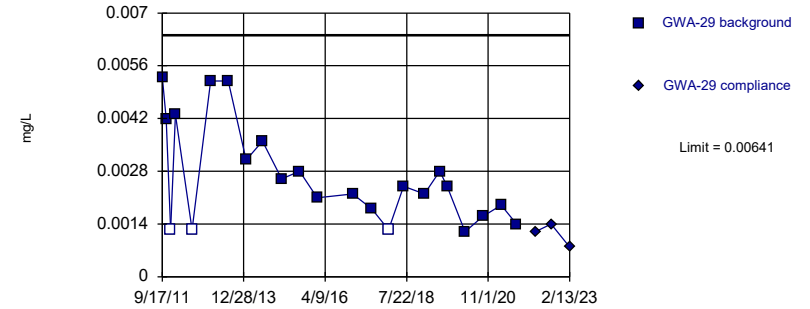


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 73.91% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

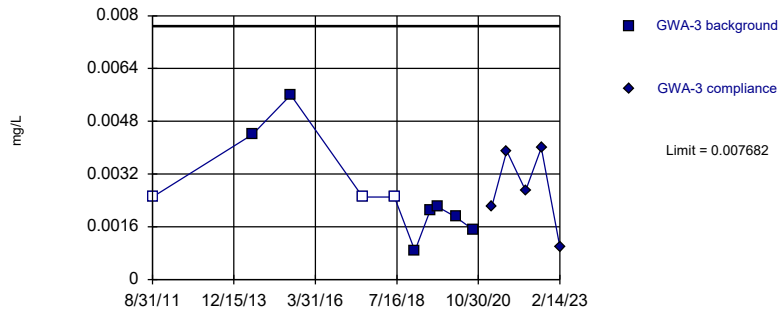


Background Data Summary: Mean=0.002698, Std. Dev.=0.001332, n=23, 13.04% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8833, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Nickel Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

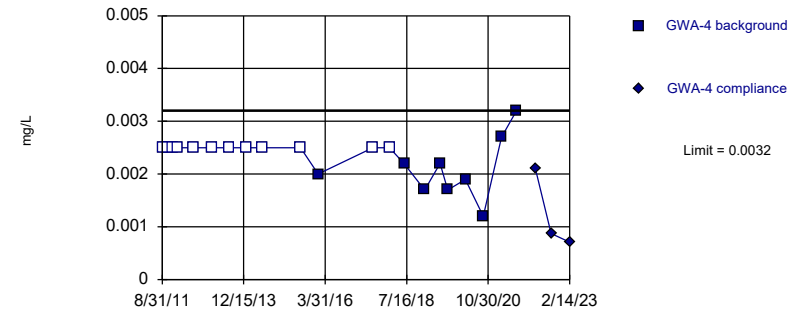


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.002371, Std. Dev.=0.00141, n=10, 30% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8569, critical = 0.842. Kappa = 3.766 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Nickel Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

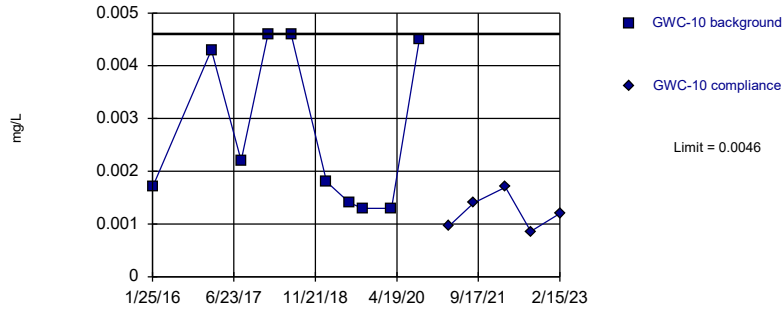


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 57.14% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Nickel Analysis Run 4/3/2023 9:46 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

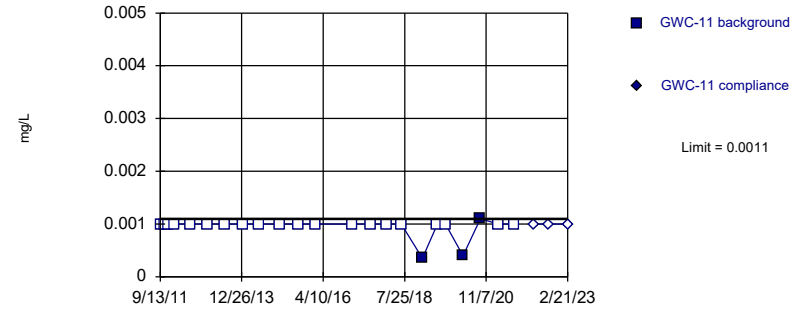


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 10 background values. Well-constituent pair annual alpha = 0.0293. Individual comparison alpha = 0.01476 (1 of 2).

Constituent: Nickel Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric



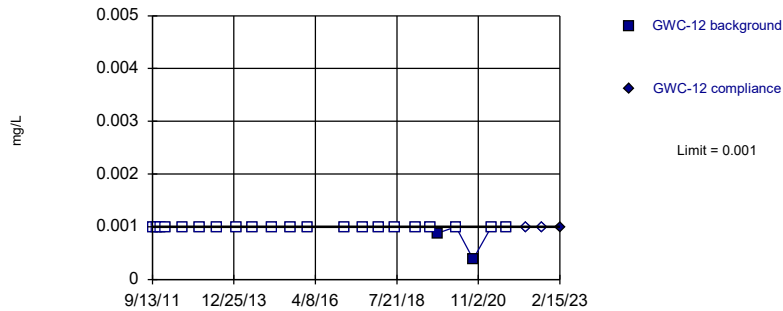
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

### Prediction Limit Intrawell Non-parametric



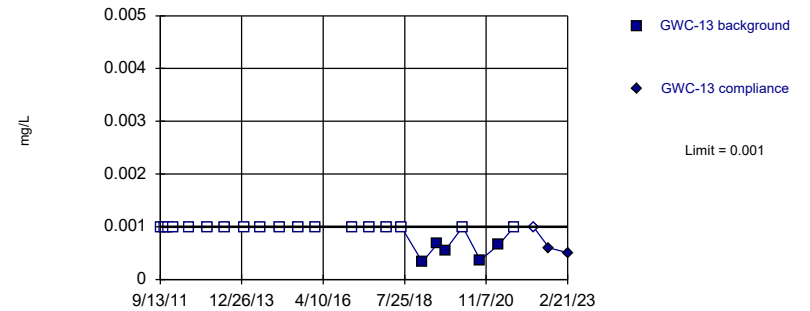
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

Within Limit

### Prediction Limit Intrawell Non-parametric

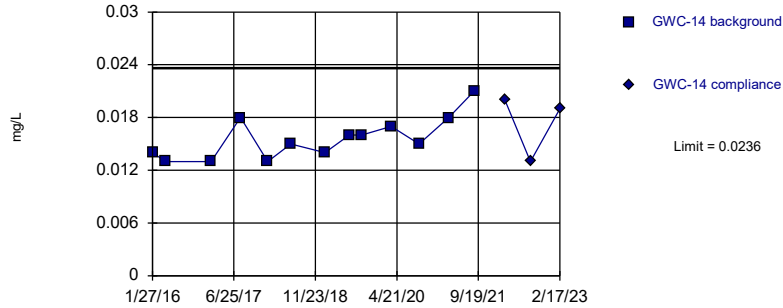


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 78.26% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

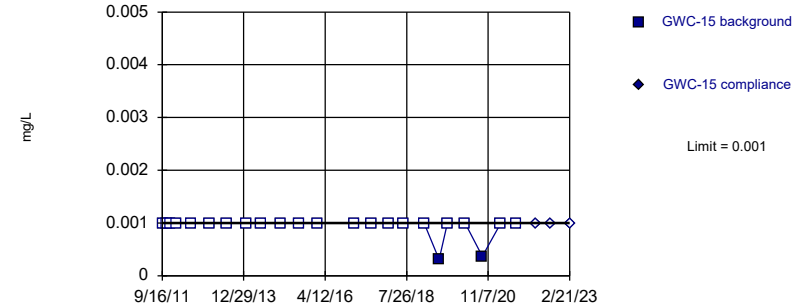


Background Data Summary: Mean=0.01562, Std. Dev.=0.002399, n=13. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.913, critical = 0.866. Kappa = 3.328 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Nickel Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

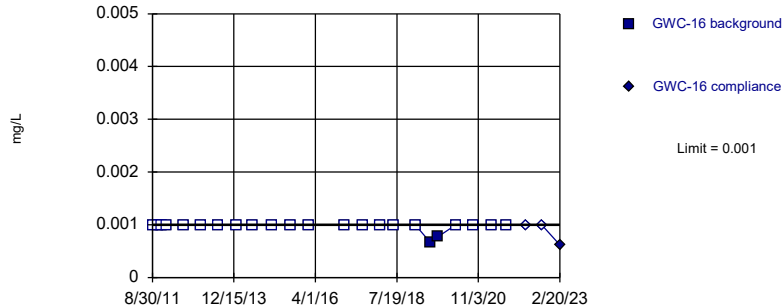


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

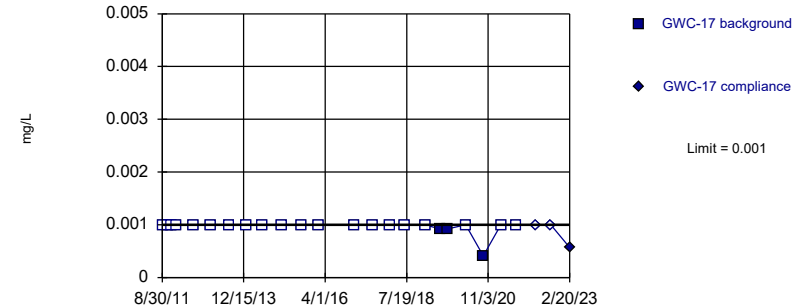


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

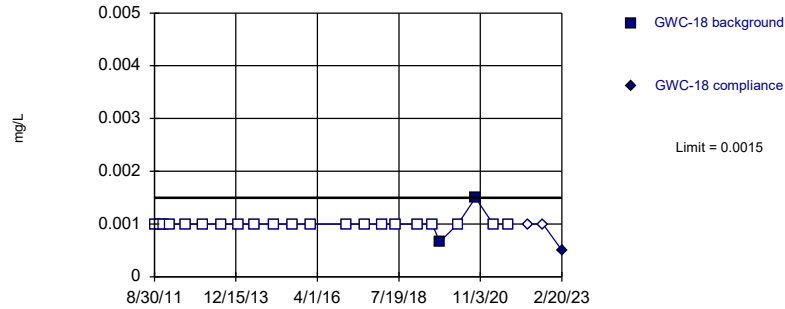


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

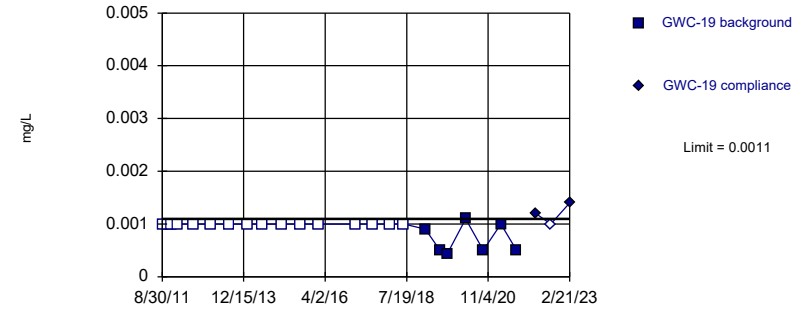


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Exceeds Limit

Prediction Limit  
Intrawell Non-parametric

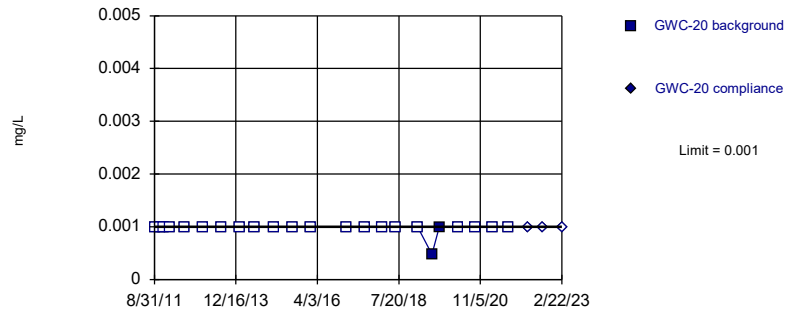


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 69.57% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

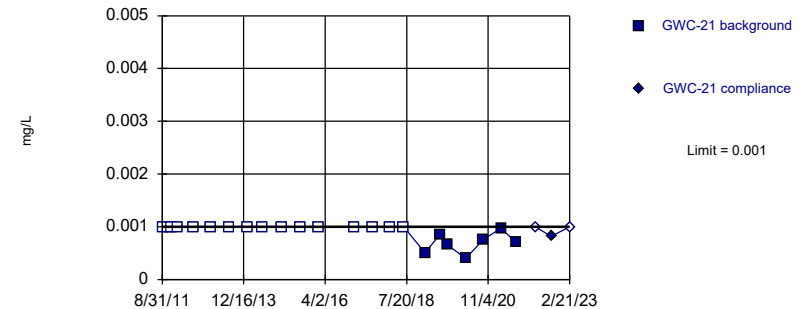


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

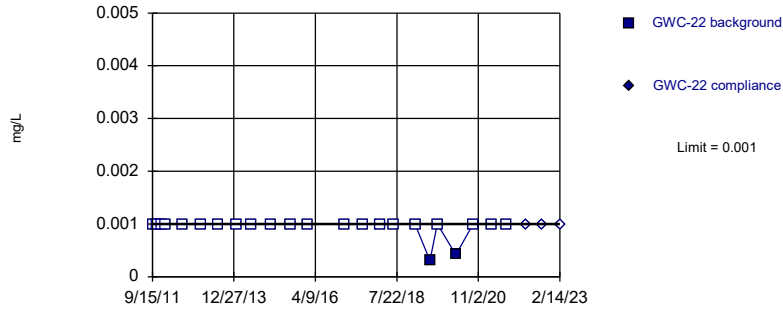


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 69.57% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

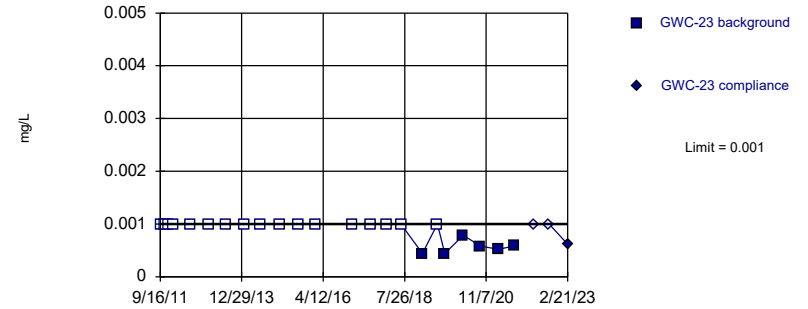


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

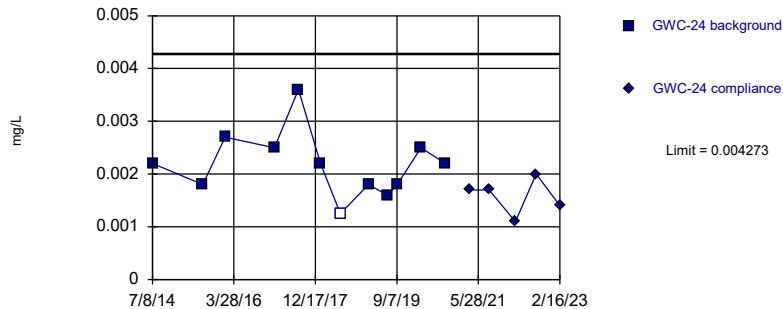


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 73.91% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

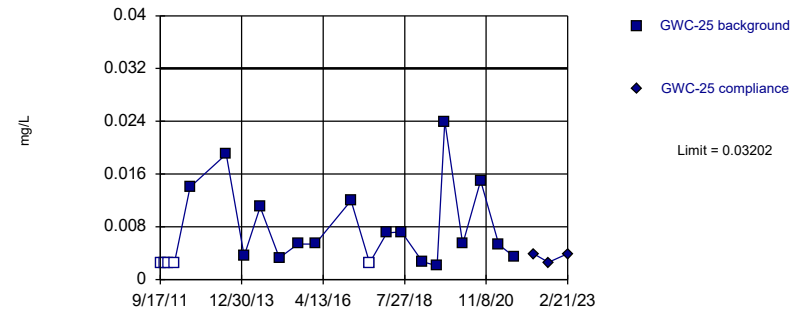


Background Data Summary: Mean=0.002179, Std. Dev.=0.0006125, n=12, 8.333% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9351, critical = 0.859. Kappa = 3.418 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Nickel Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

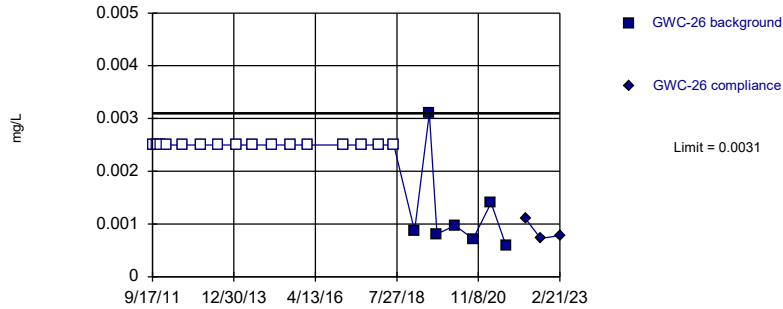


Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.1759, Std. Dev.=0.05031, n=22, 22.73% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8816, critical = 0.878. Kappa = 2.815 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Nickel Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

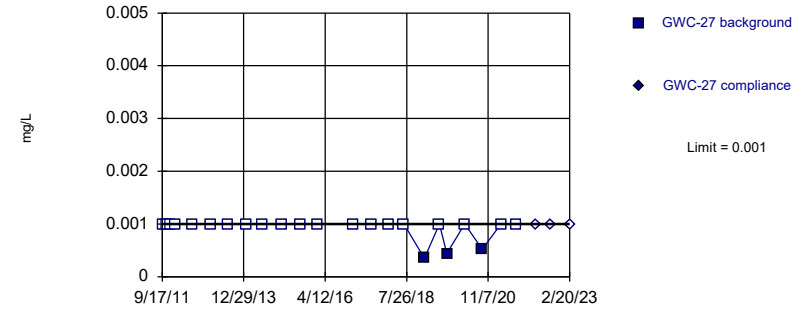


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 69.57% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

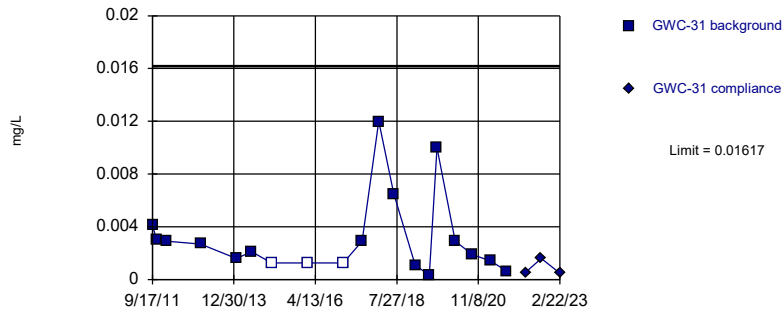


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

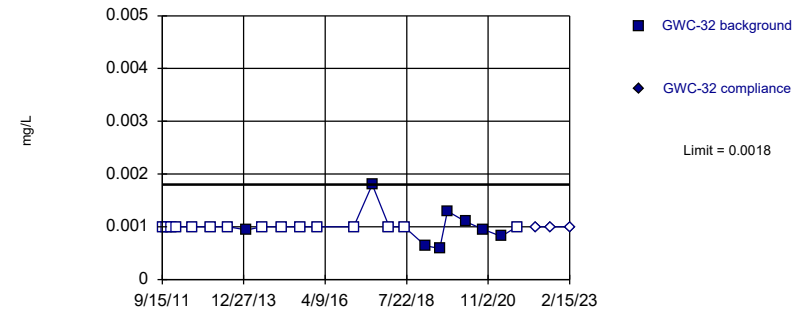


Background Data Summary (based on cube root transformation) (after Kaplan-Meier Adjustment): Mean=0.1311, Std. Dev.=0.04175, n=19, 15.79% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9227, critical = 0.901. Kappa = 2.916 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Nickel Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

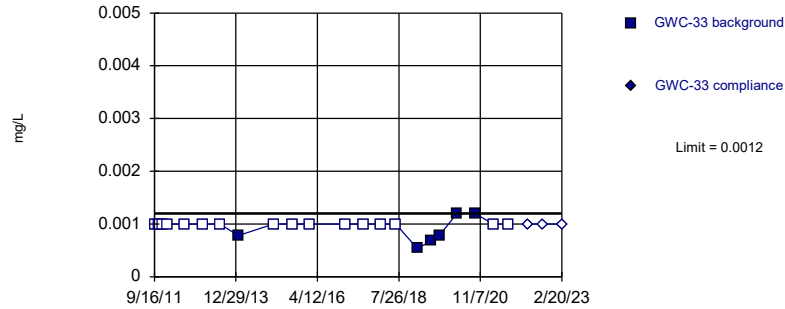


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 65.22% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Nickel Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

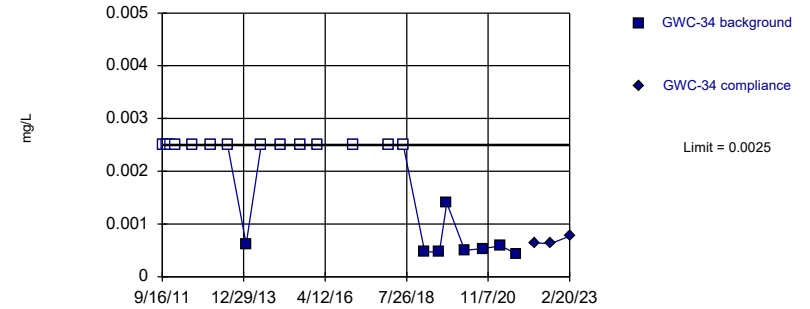


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 72.73% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Nickel Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

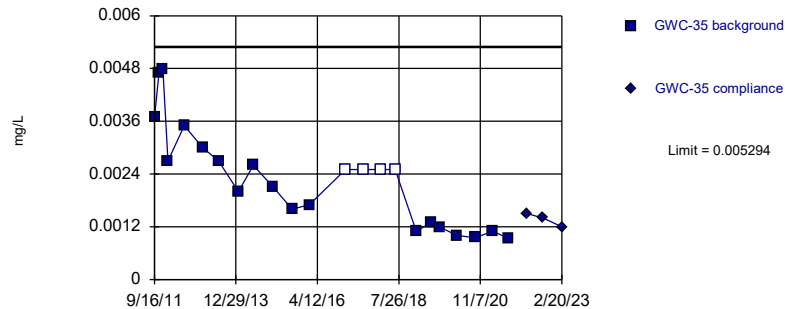


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Nickel Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

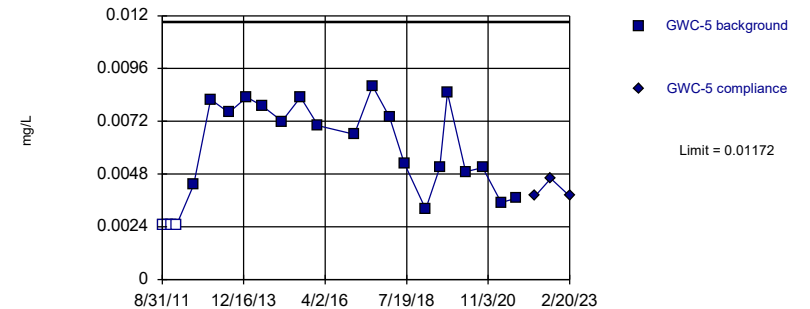


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.00203, Std. Dev.=0.001171, n=23, 17.39% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9113, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Nickel Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

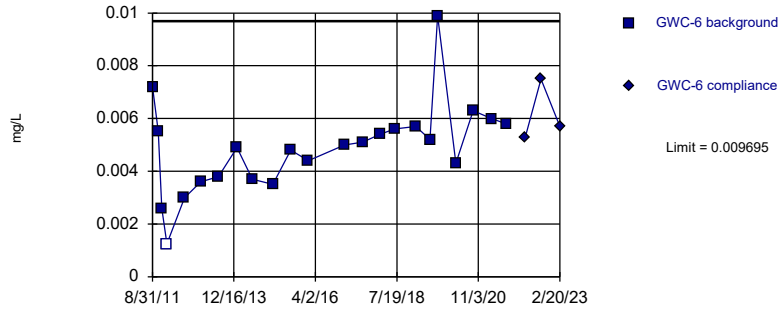


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.00547, Std. Dev.=0.002242, n=23, 17.39% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8952, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Nickel Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

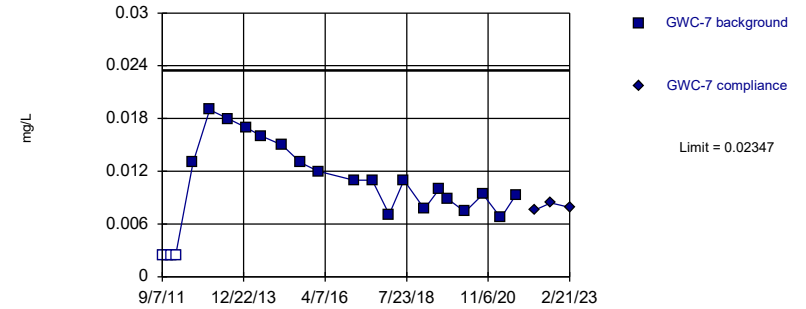


Background Data Summary: Mean=0.004893, Std. Dev.=0.001723, n=23, 4.348% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9458, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Nickel Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

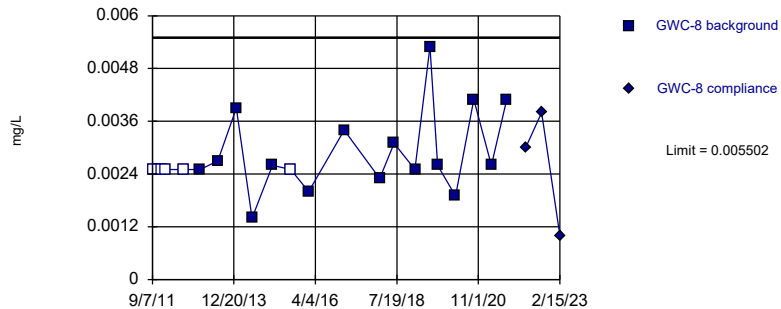


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.009446, Std. Dev.=0.005033, n=23, 17.39% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9523, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Nickel Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

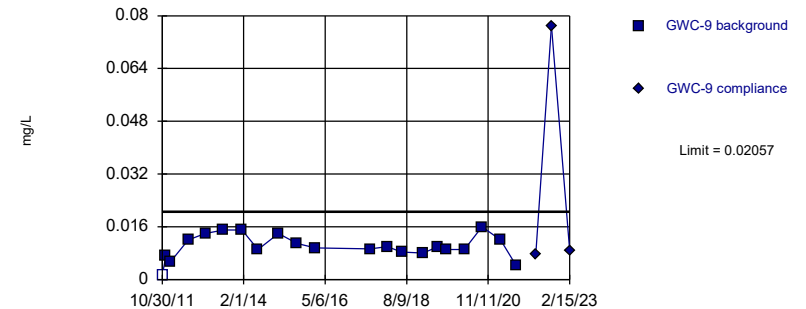


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.04867, Std. Dev.=0.00906, n=22, 27.27% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8833, critical = 0.878. Kappa = 2.815 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Nickel Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric



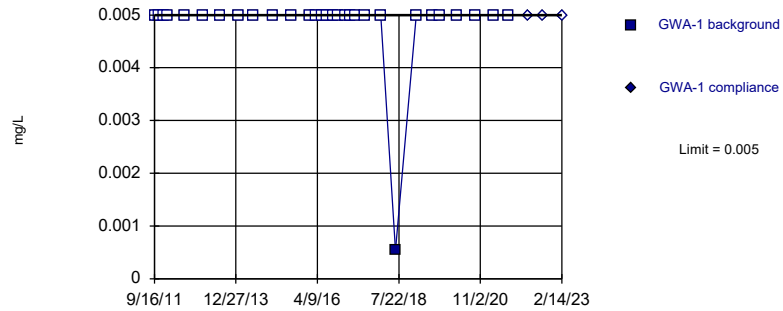
Background Data Summary: Mean=0.009969, Std. Dev.=0.00373, n=21, 4.762% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9615, critical = 0.873. Kappa = 2.842 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Nickel Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill



Within Limit

### Prediction Limit Intrawell Non-parametric

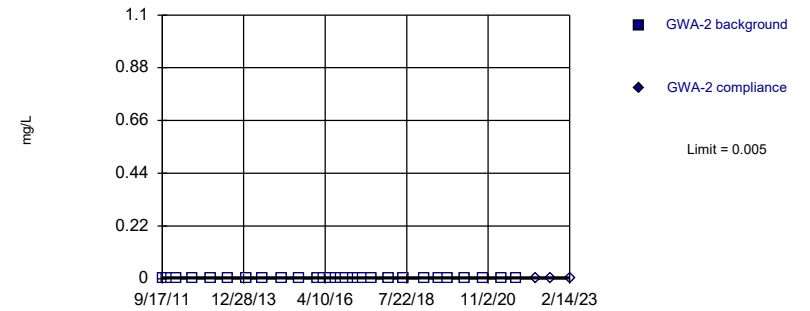


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

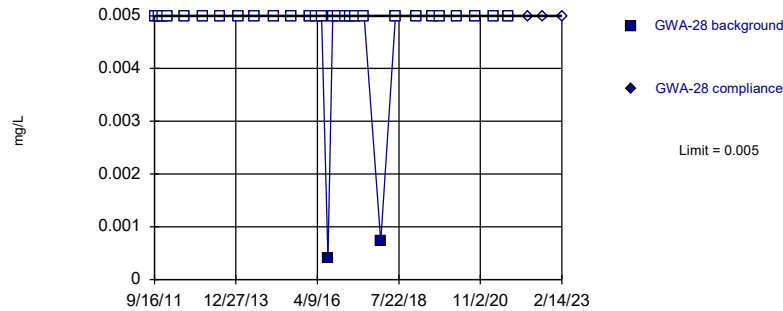


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 30) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

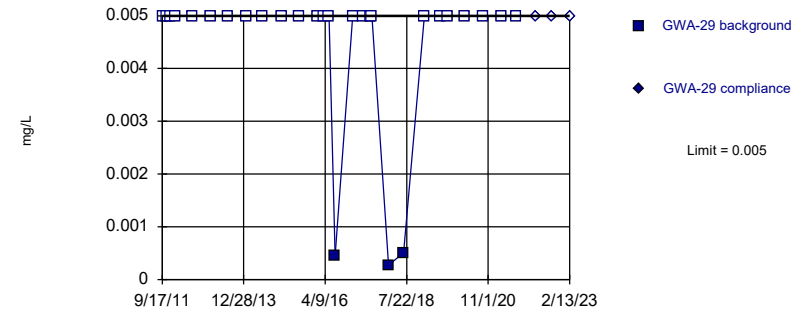


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

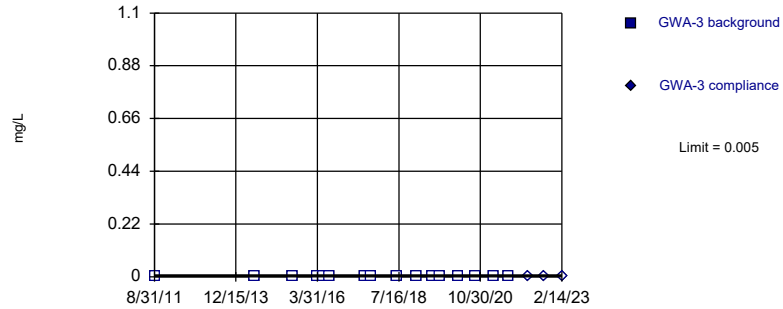


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 89.29% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Selenium Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

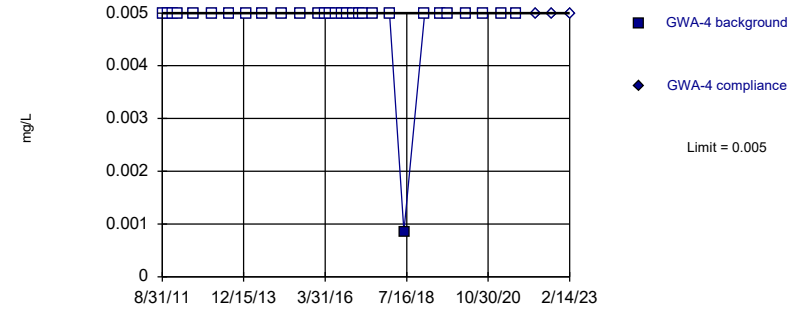


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Selenium Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

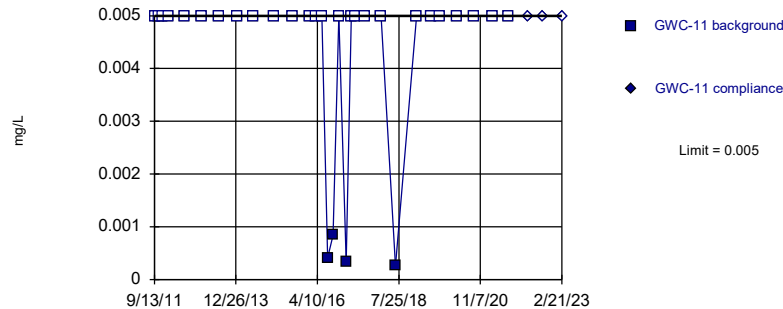


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

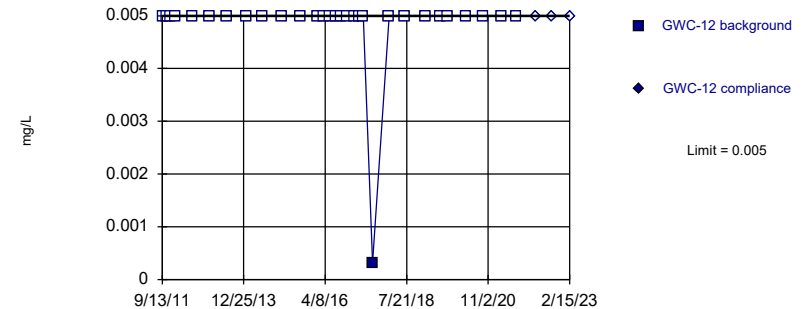


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

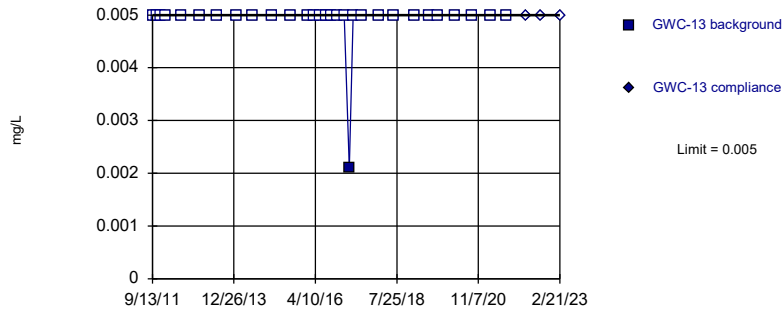


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

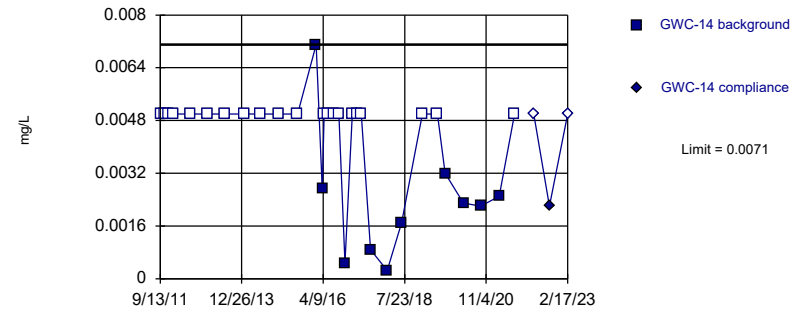


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

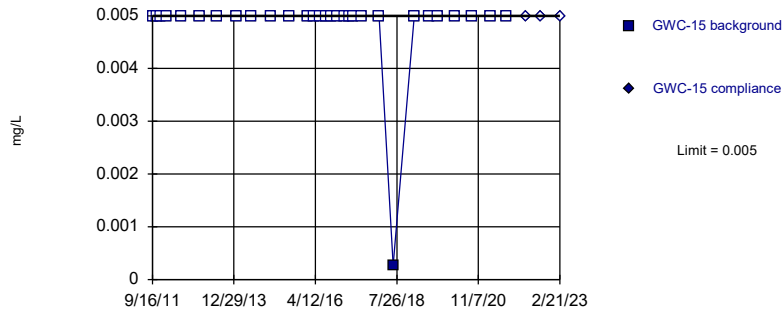


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 31 background values. 67.74% NDs. Well-constituent pair annual alpha = 0.003807. Individual comparison alpha = 0.001905 (1 of 2).

Constituent: Selenium Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

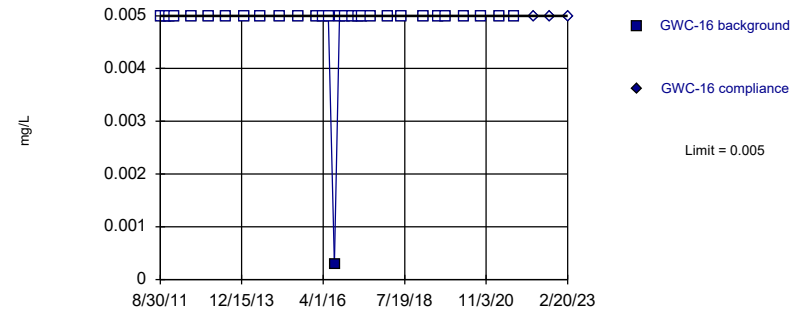


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 4/3/2023 9:47 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

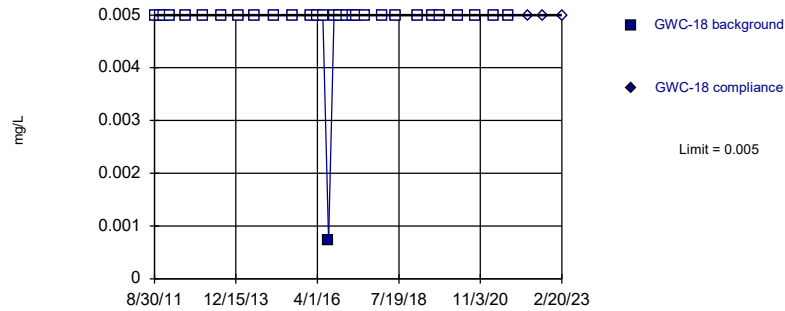


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

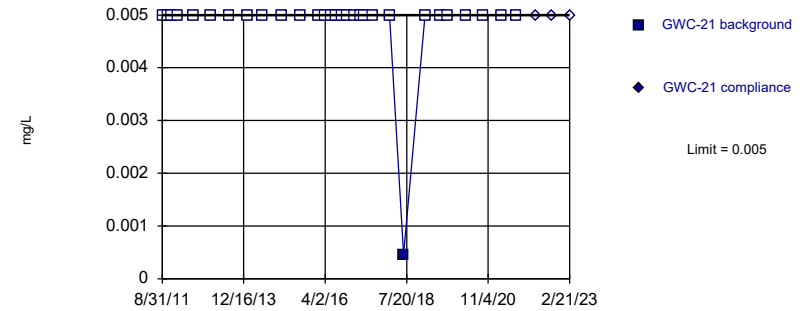


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

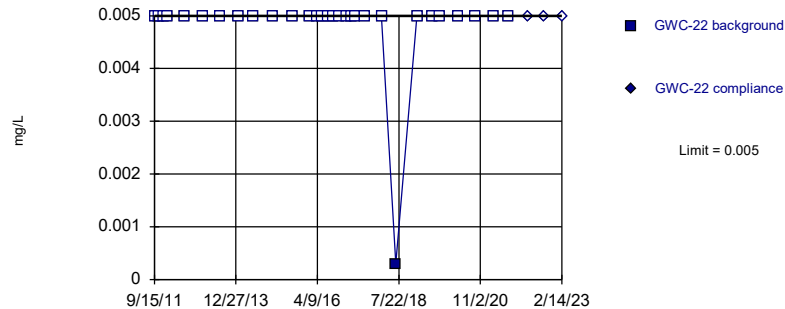


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

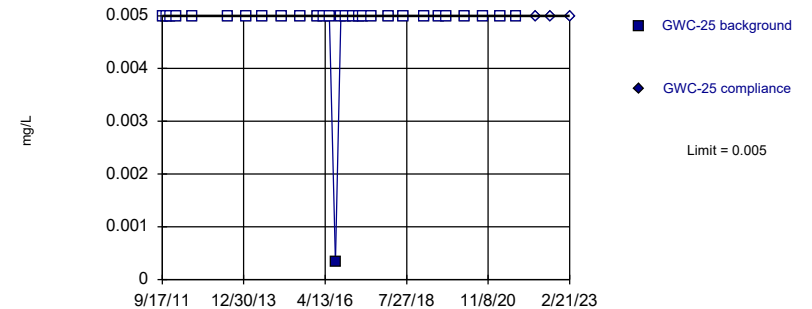


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

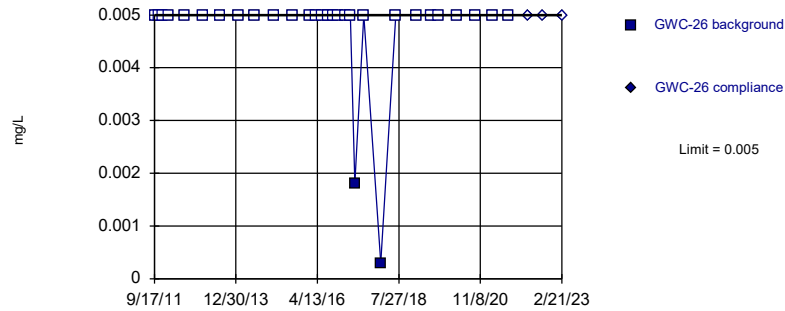


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

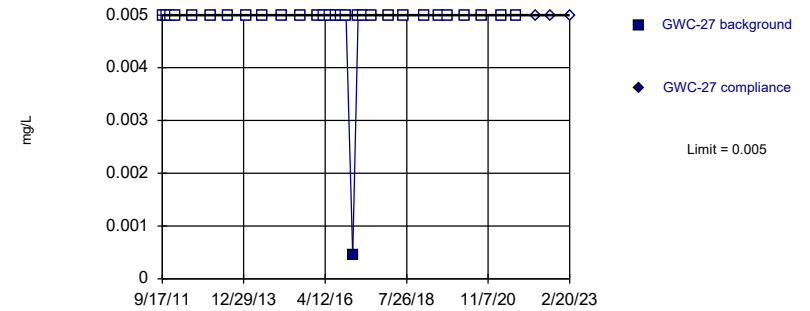


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

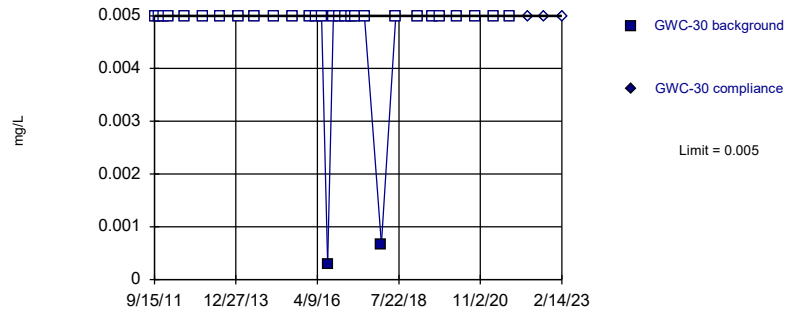


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

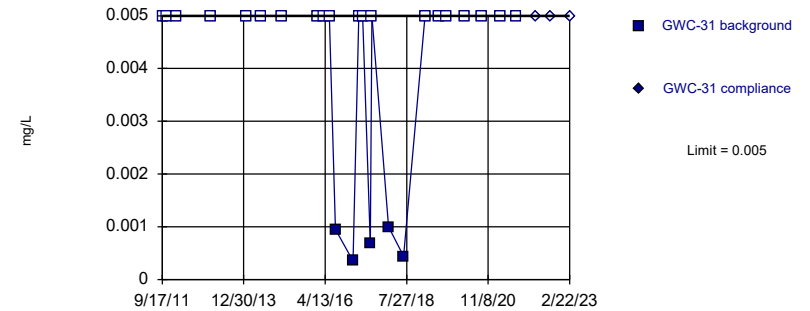


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

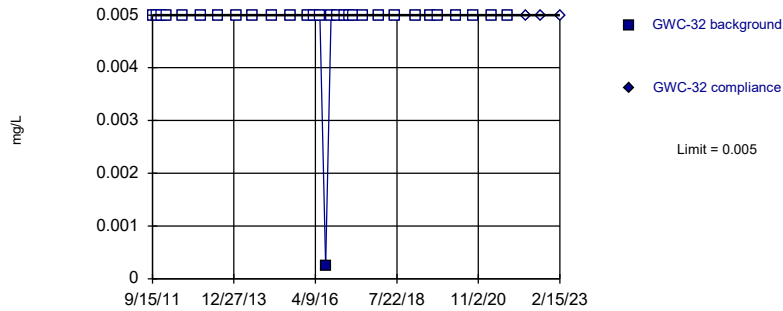


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 25 background values. 80% NDs. Well-constituent pair annual alpha = 0.005656. Individual comparison alpha = 0.002832 (1 of 2).

Constituent: Selenium Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

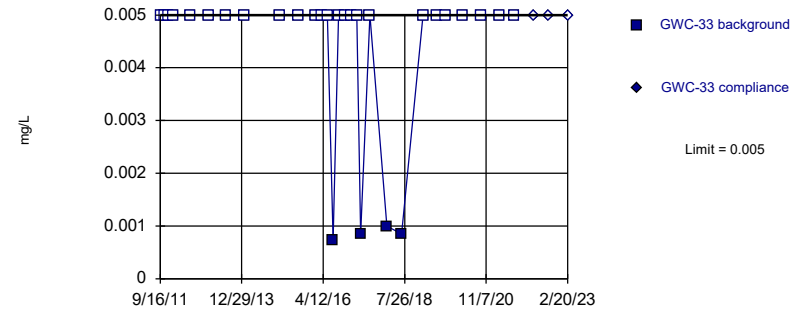


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

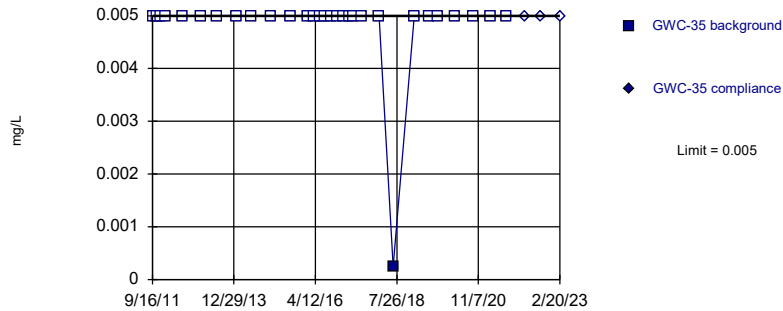


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 86.21% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

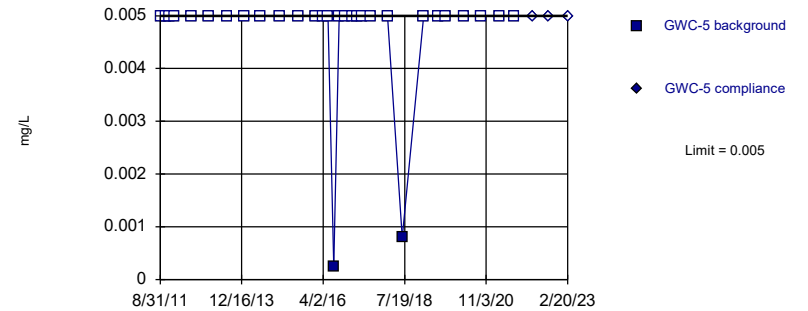


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

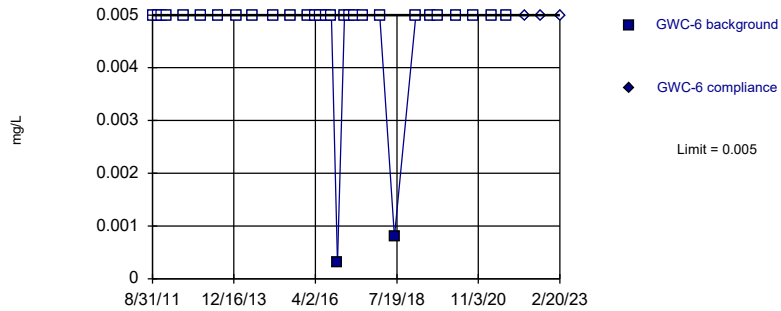


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

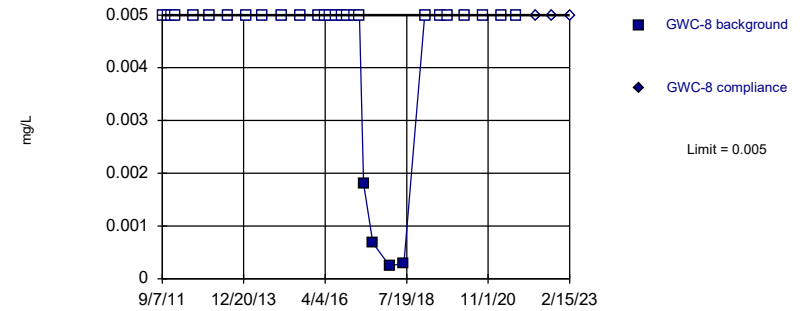


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

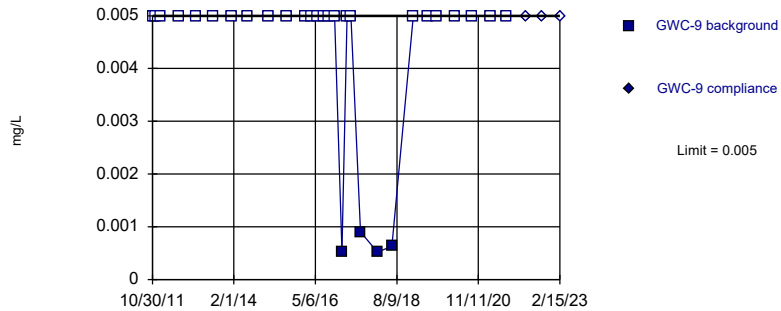


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Selenium Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

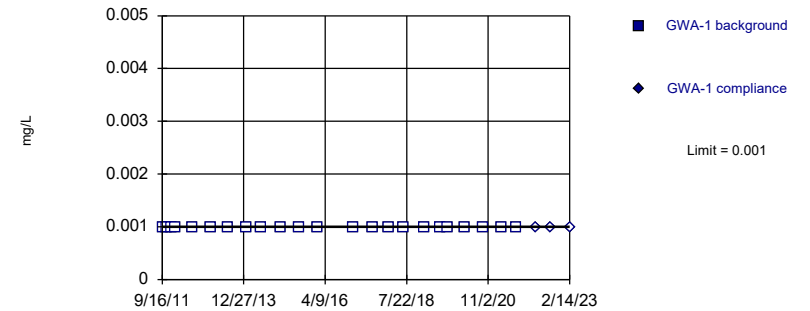


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 86.21% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Selenium Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

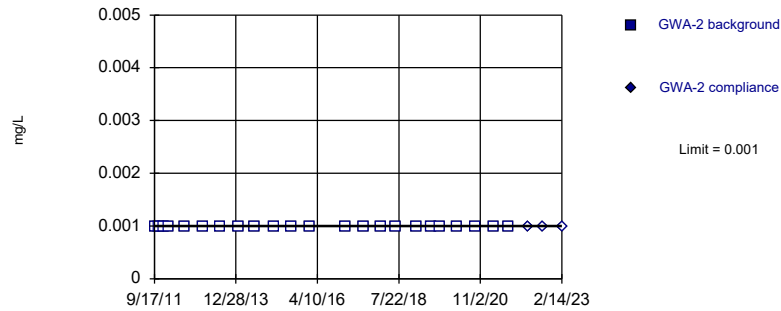


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 23) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Silver Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

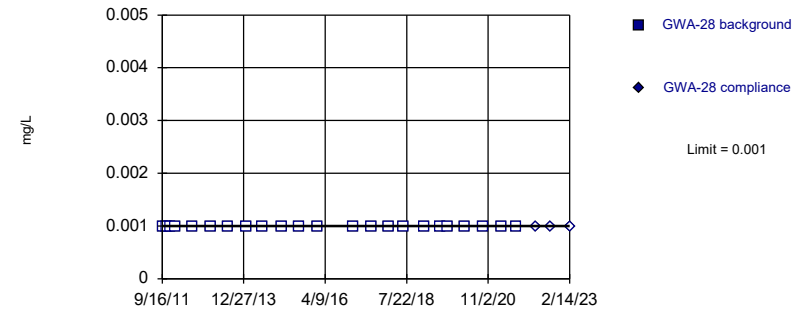


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 23) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Silver Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

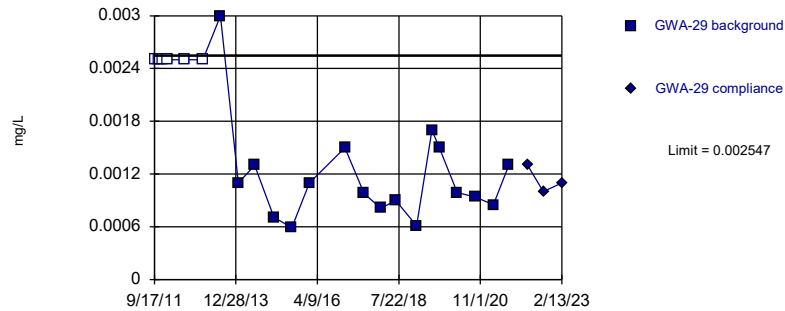


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 23) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Silver Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

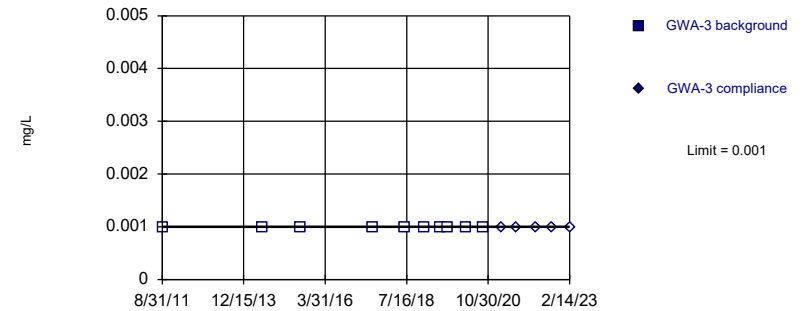


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.03184, Std. Dev.=0.006681, n=23, 26.09% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8945, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Silver Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric



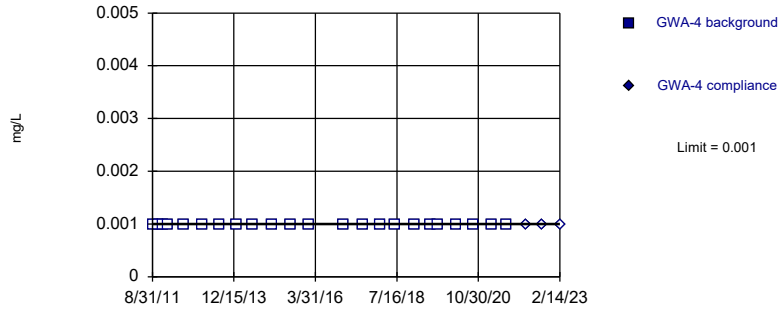
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 10) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.0293. Individual comparison alpha = 0.01476 (1 of 2).

Constituent: Silver Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill



Within Limit

### Prediction Limit Intrawell Non-parametric

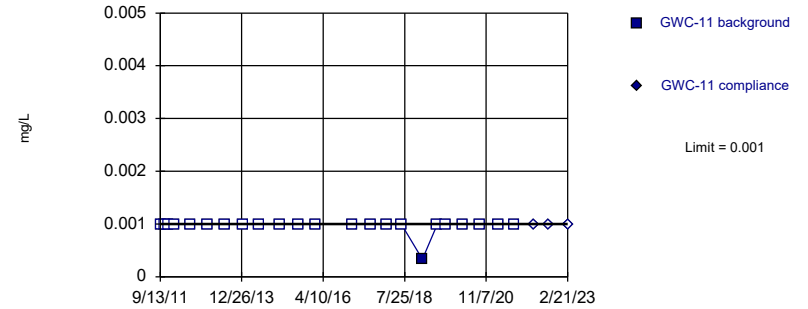


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 23) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Silver Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

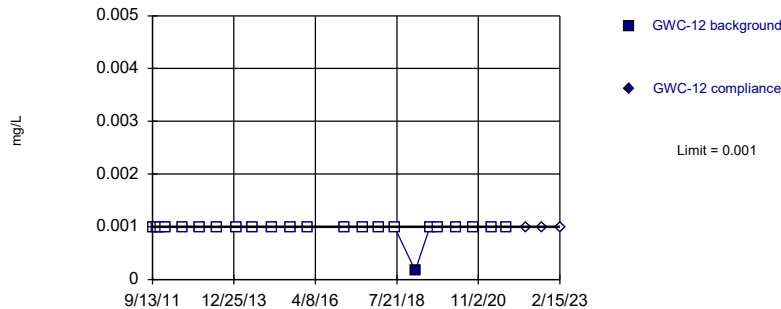


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Silver Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

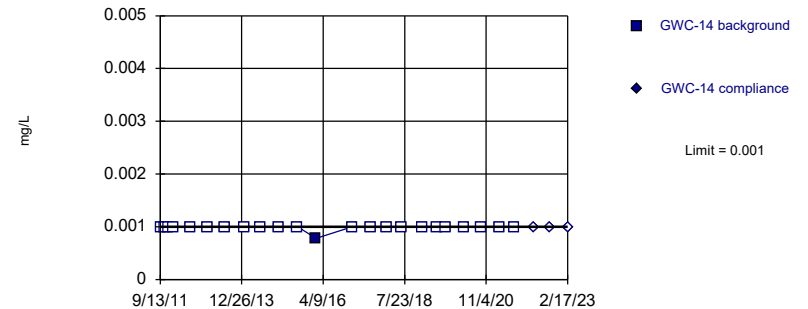


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Silver Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

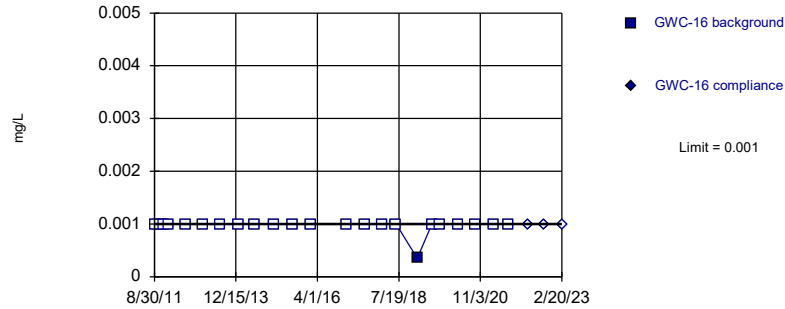


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Silver Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

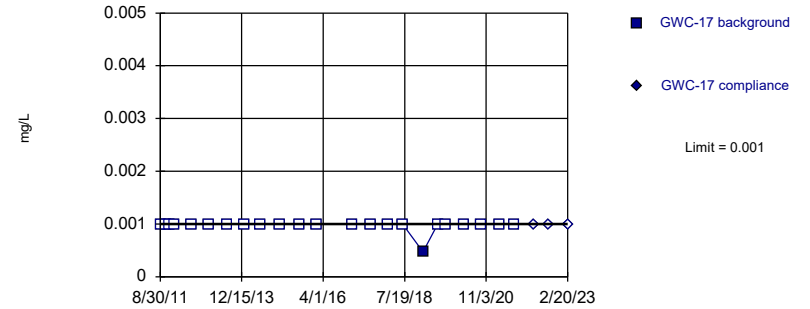


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Silver Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

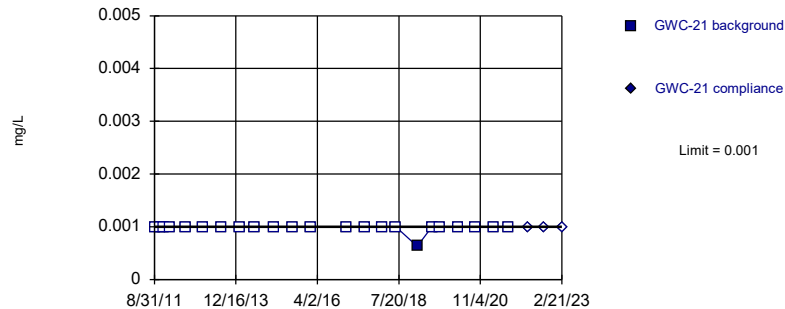


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Silver Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

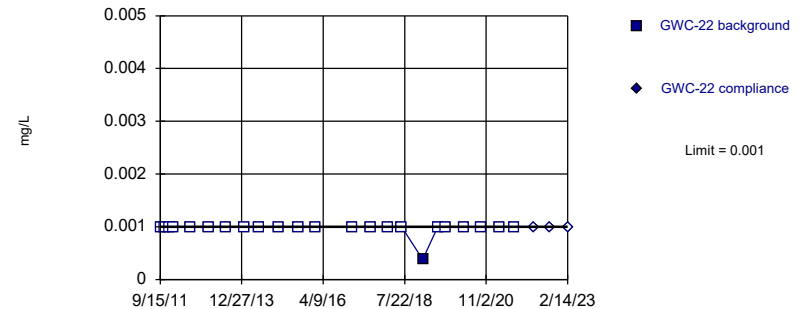


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Silver Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

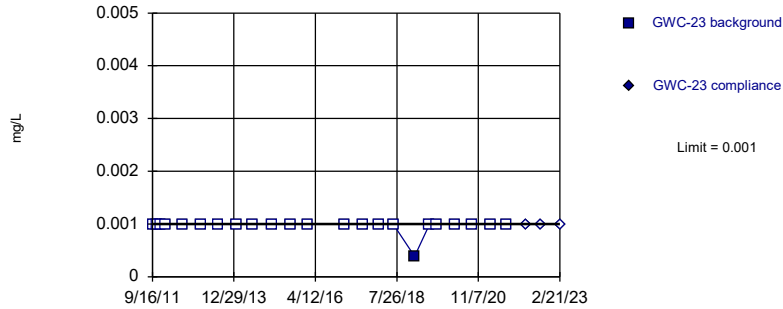


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Silver Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

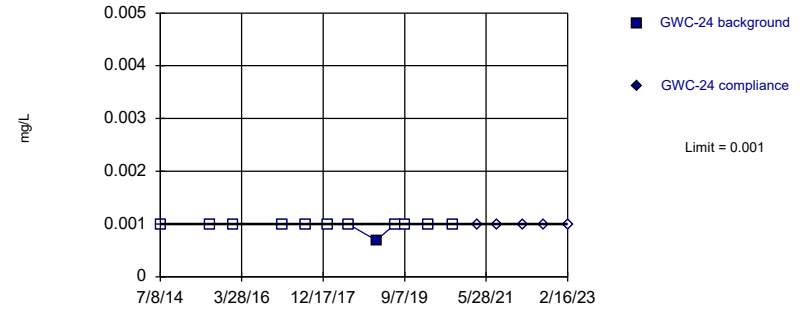


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Silver Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

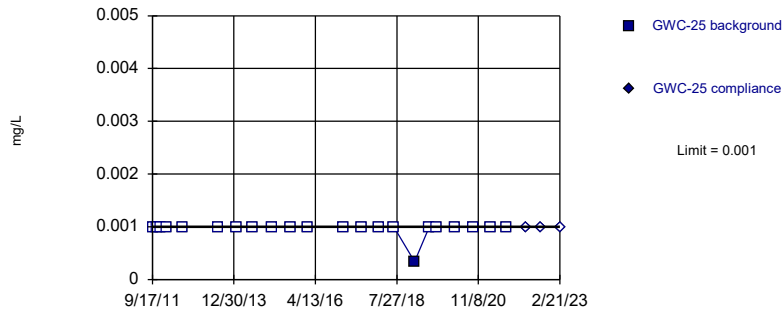


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 91.67% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Silver Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

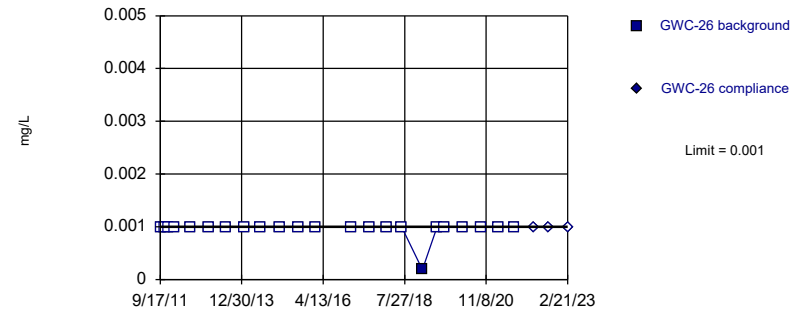


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 95.45% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Silver Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

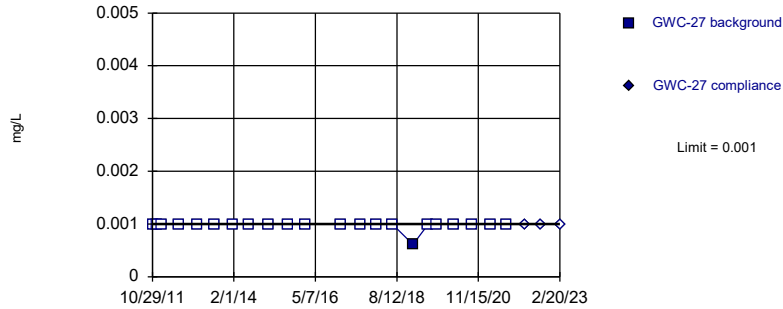


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Silver Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

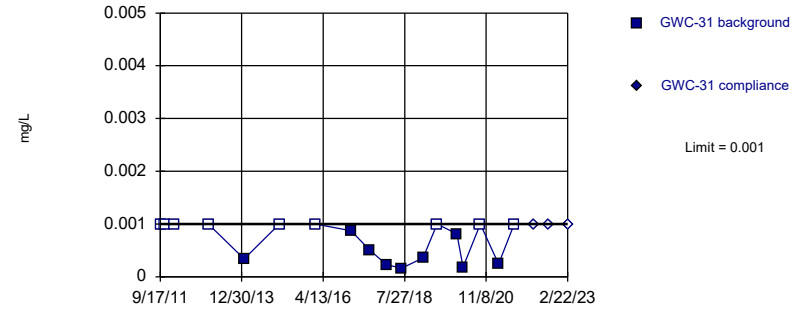


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 95.45% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Silver Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

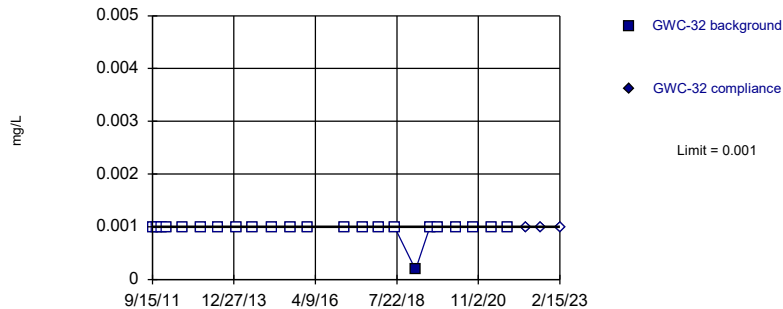


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 18 background values. 50% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Silver Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

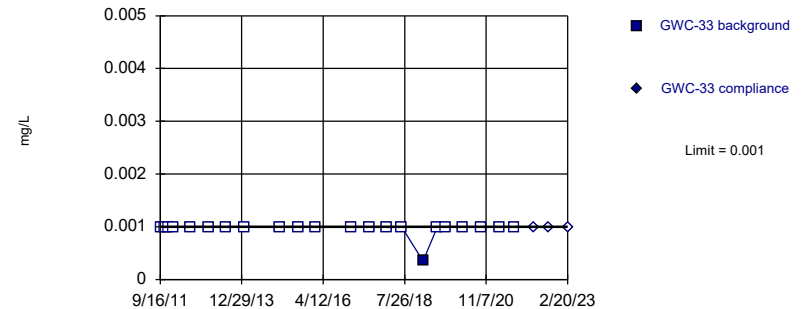


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Silver Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

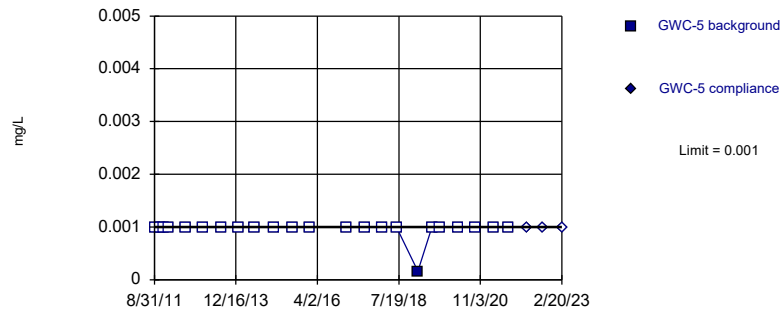


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 95.45% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Silver Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

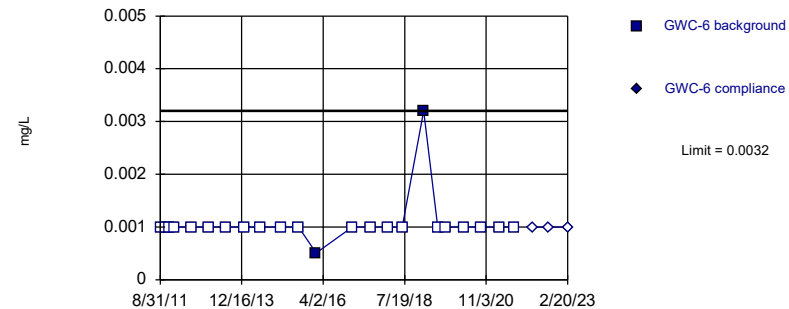


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Silver Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

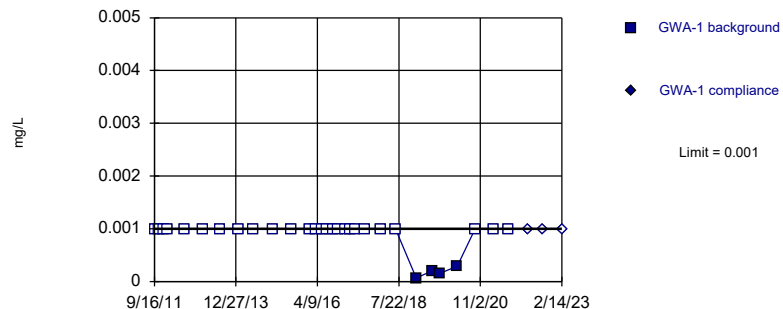


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Silver Analysis Run 4/3/2023 9:48 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

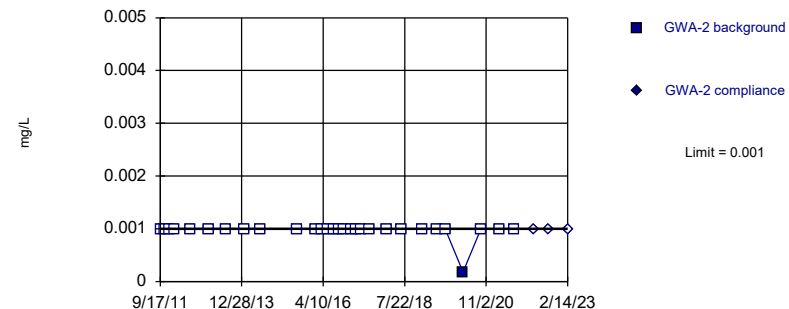


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 86.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Thallium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

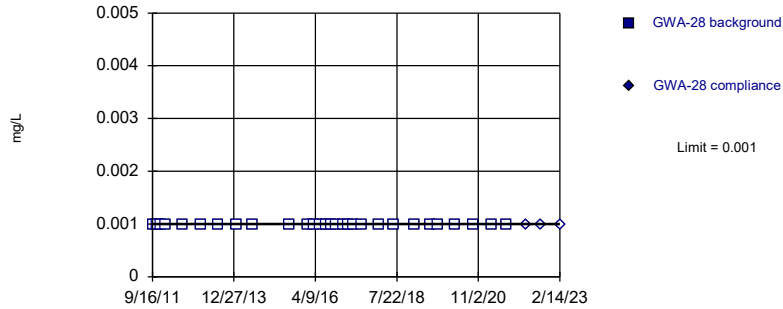


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

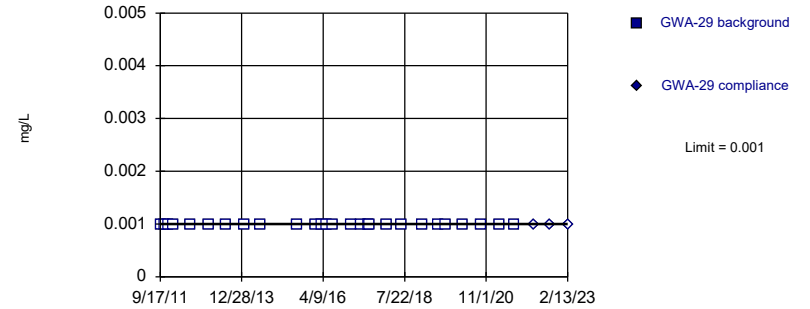


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 29) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

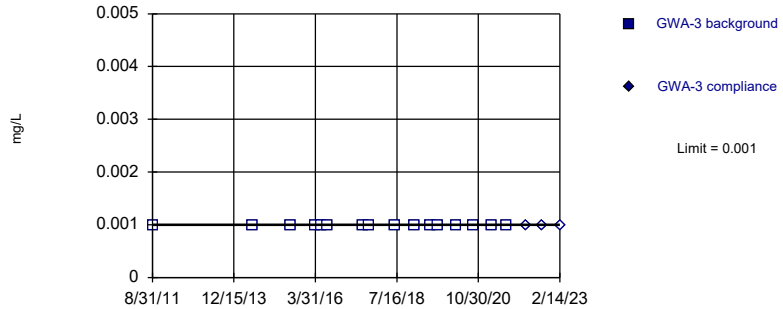


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 27) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Thallium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

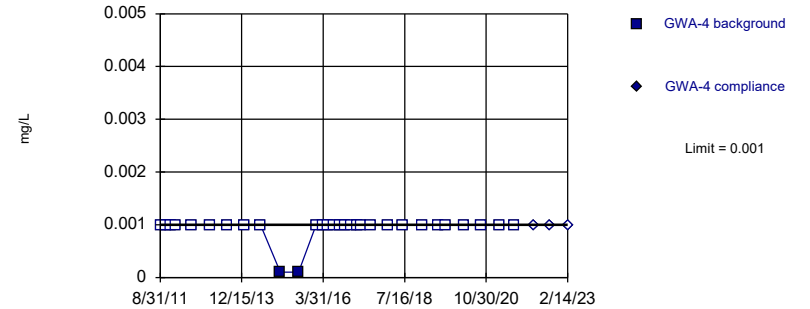


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. All background values (n = 16) were censored; limit is most recent reporting limit. Well-constituent pair annual alpha = 0.01287. Individual comparison alpha = 0.006456 (1 of 2).

Constituent: Thallium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

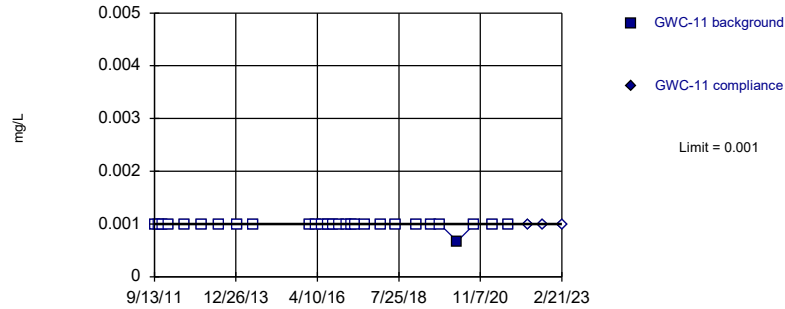


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Thallium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

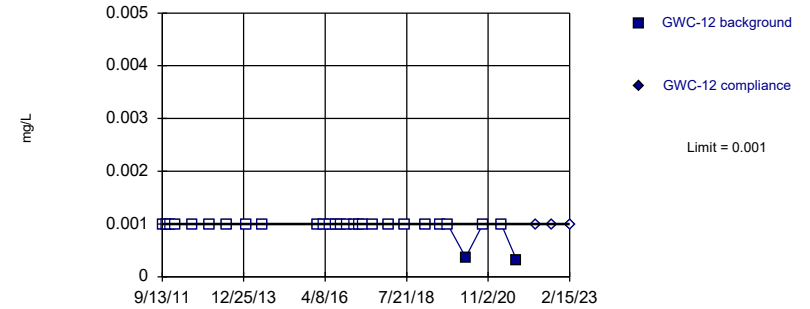


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Thallium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

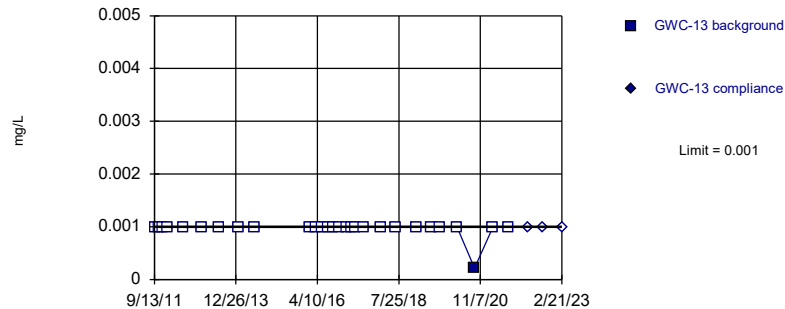


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Thallium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

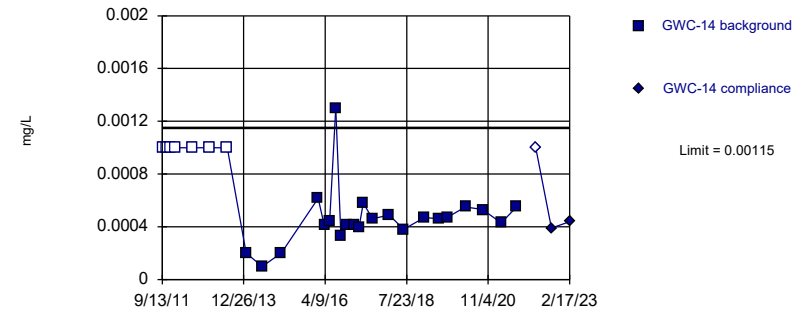


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Thallium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

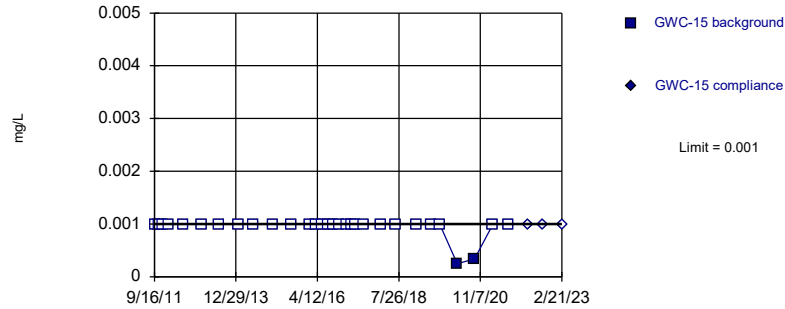


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.01978, Std. Dev.=0.005303, n=29, 24.14% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9183, critical = 0.898. Kappa = 2.665 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Thallium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

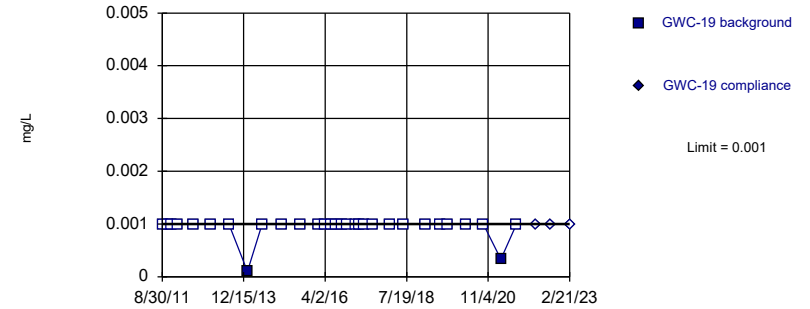


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Thallium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

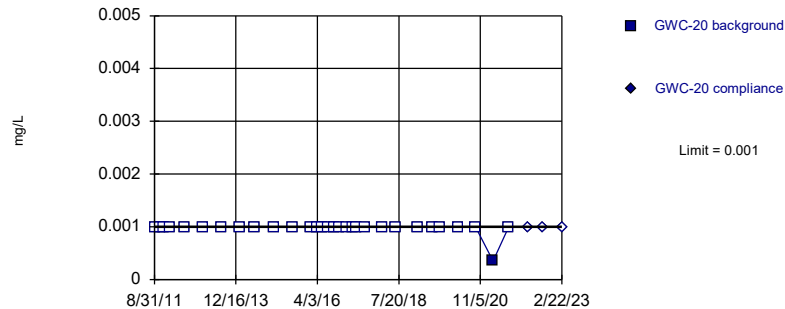


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 93.33% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Thallium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

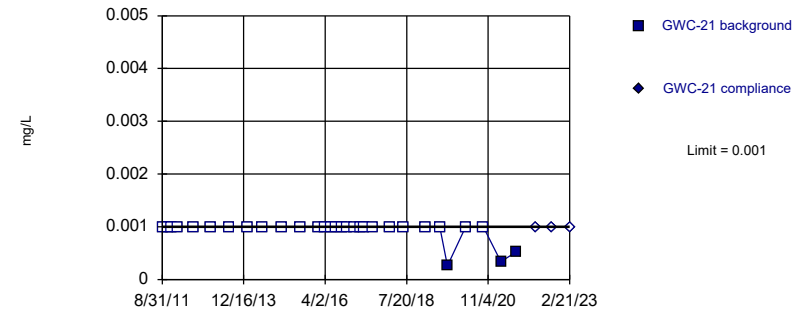


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 96.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Thallium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric



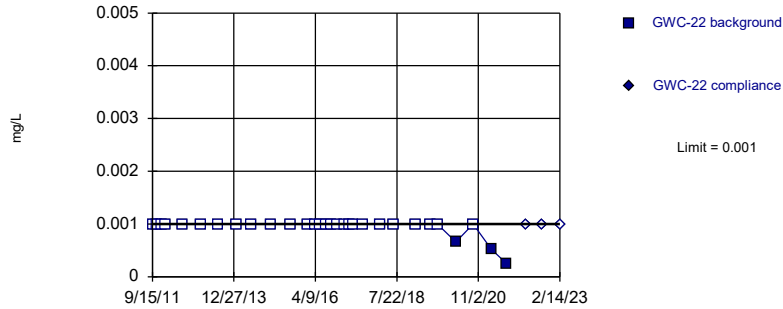
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 90% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Thallium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill



Within Limit

### Prediction Limit Intrawell Non-parametric

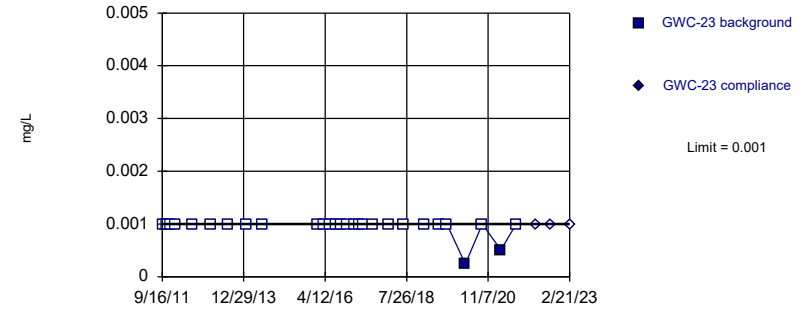


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 90% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Thallium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

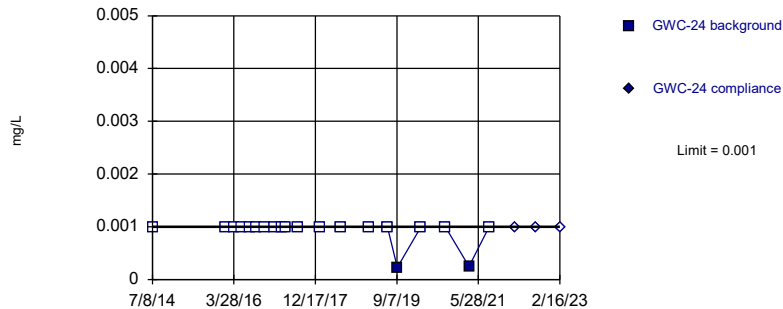


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 92.86% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Thallium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

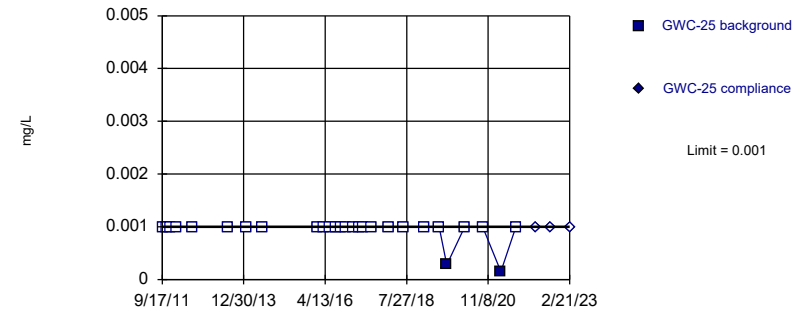


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 20 background values. 90% NDs. Well-constituent pair annual alpha = 0.008564. Individual comparison alpha = 0.004291 (1 of 2).

Constituent: Thallium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

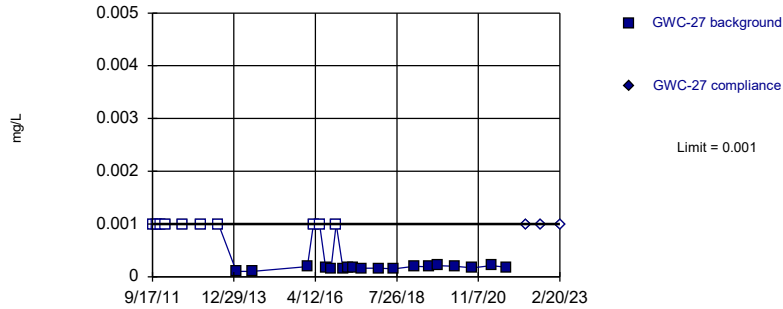


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 27 background values. 92.59% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Thallium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

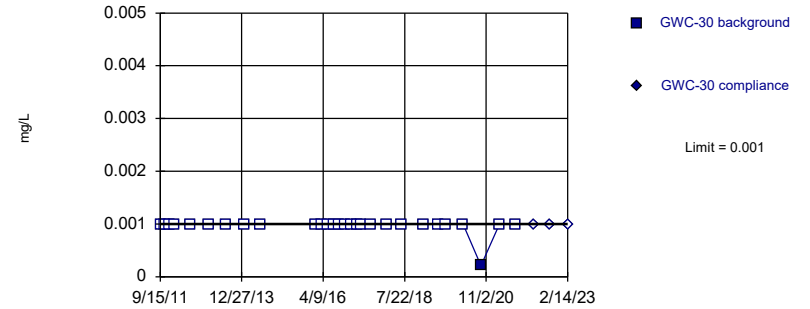


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 28 background values. 35.71% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Thallium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

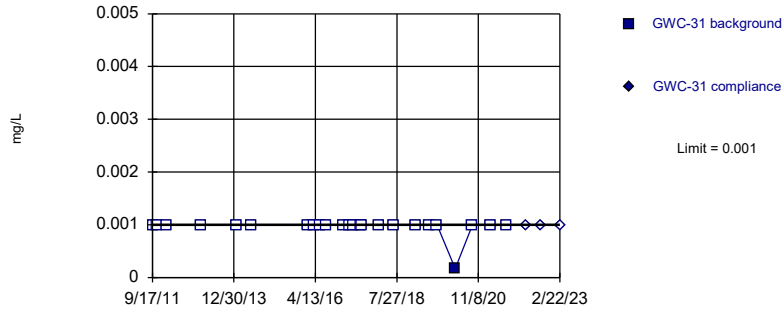


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Thallium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

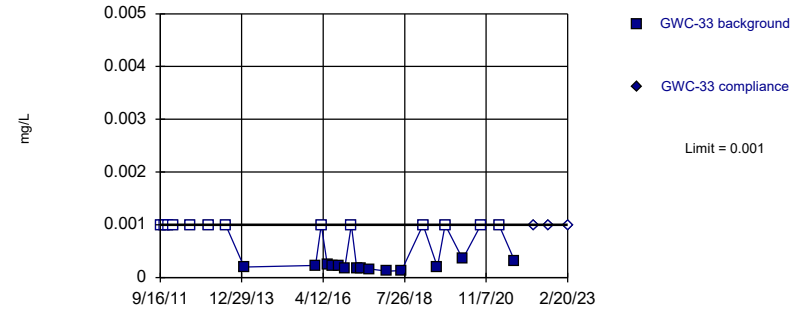


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 24 background values. 95.83% NDs. Well-constituent pair annual alpha = 0.006238. Individual comparison alpha = 0.003124 (1 of 2).

Constituent: Thallium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

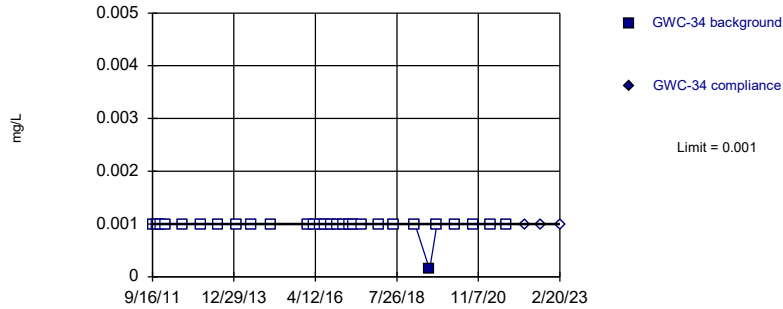


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 27 background values. 48.15% NDs. Well-constituent pair annual alpha = 0.004998. Individual comparison alpha = 0.002502 (1 of 2).

Constituent: Thallium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
 IntraWell Non-parametric

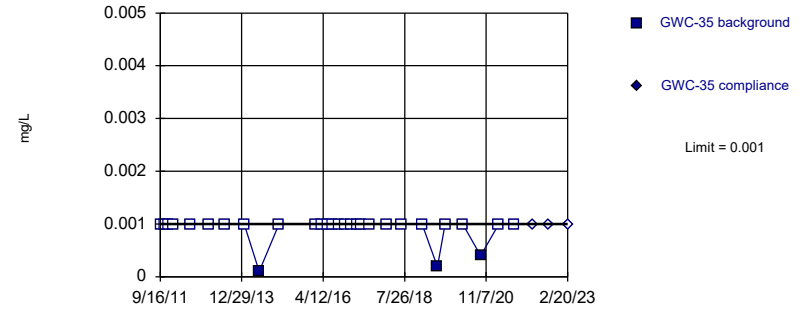


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 96.55% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
 IntraWell Non-parametric

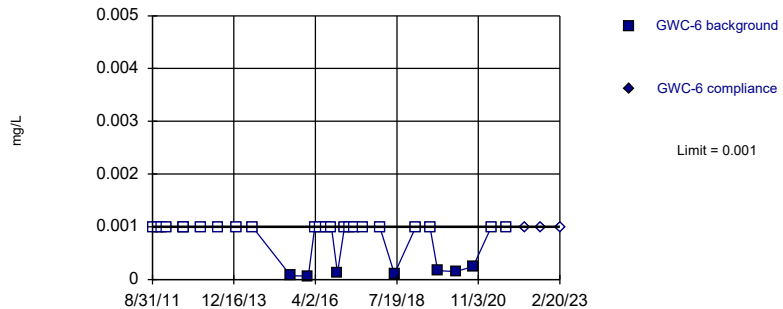


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 29 background values. 89.66% NDs. Well-constituent pair annual alpha = 0.00434. Individual comparison alpha = 0.002172 (1 of 2).

Constituent: Thallium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
 IntraWell Non-parametric

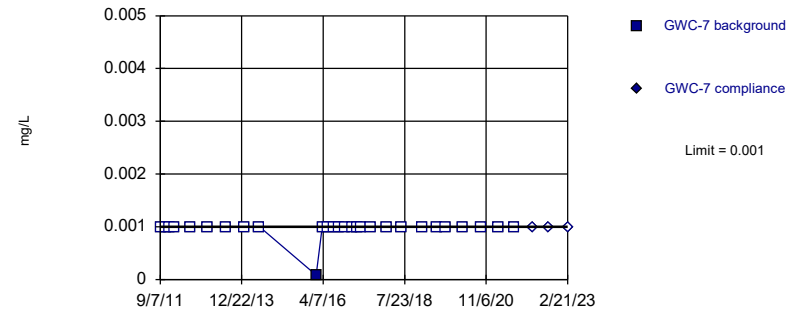


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 30 background values. 76.67% NDs. Well-constituent pair annual alpha = 0.004011. Individual comparison alpha = 0.002008 (1 of 2).

Constituent: Thallium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
 IntraWell Non-parametric

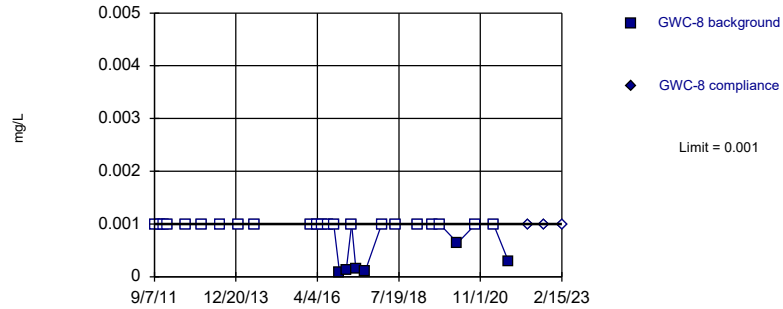


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 96.43% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Thallium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

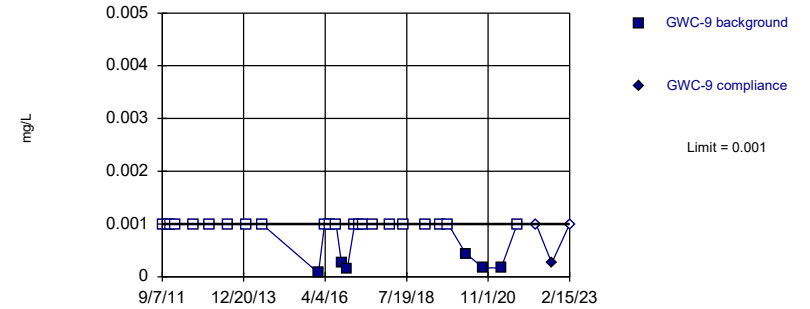


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 78.57% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Thallium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

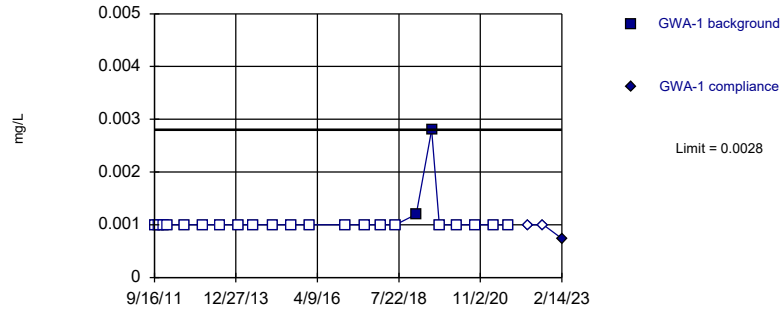


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 28 background values. 78.57% NDs. Well-constituent pair annual alpha = 0.004669. Individual comparison alpha = 0.002337 (1 of 2).

Constituent: Thallium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

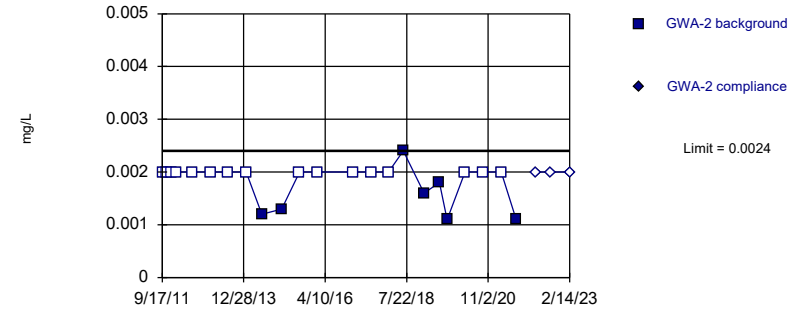


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

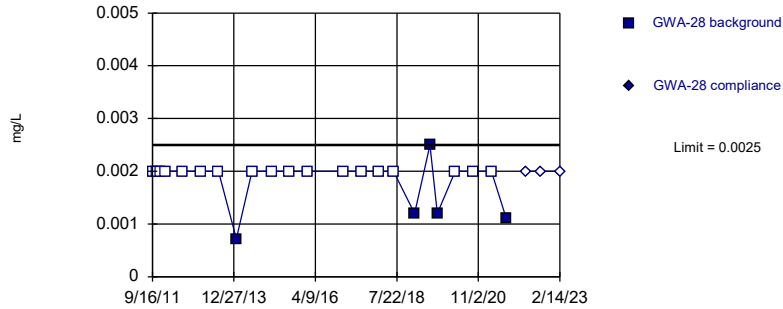


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 69.57% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

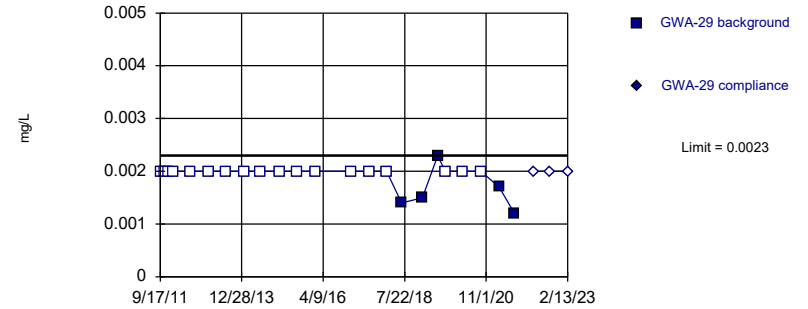


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 78.26% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

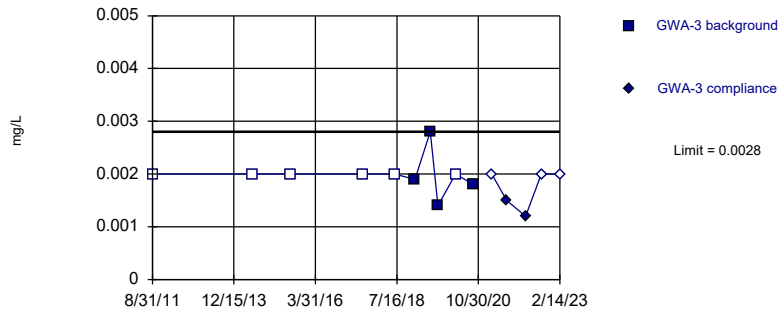


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 78.26% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

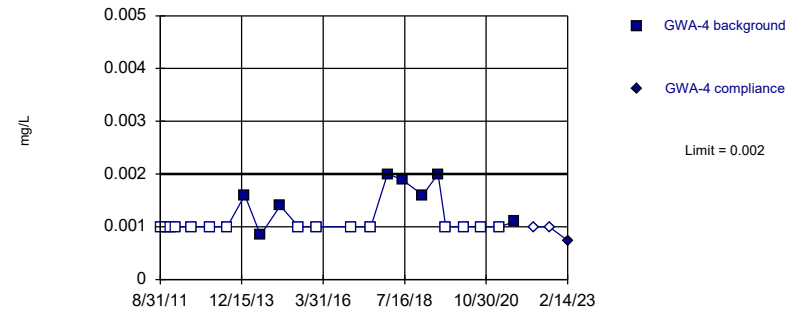


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 10 background values. 60% NDs. Well-constituent pair annual alpha = 0.0293. Individual comparison alpha = 0.01476 (1 of 2).

Constituent: Vanadium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

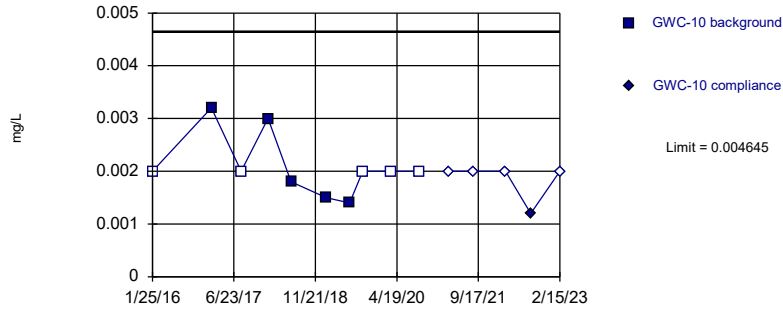


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 65.22% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

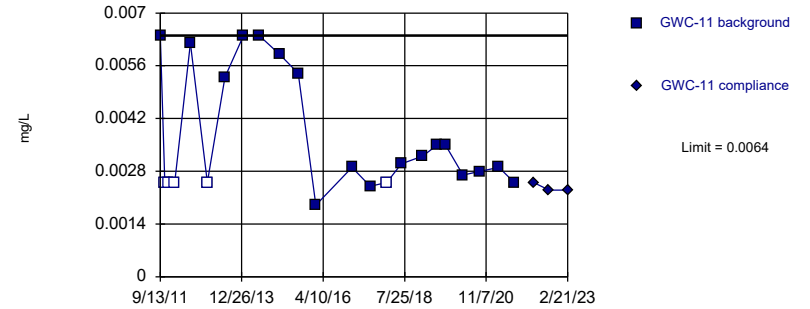


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.04275, Std. Dev.=0.006743, n=10, 50% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8465, critical = 0.842. Kappa = 3.766 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Vanadium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

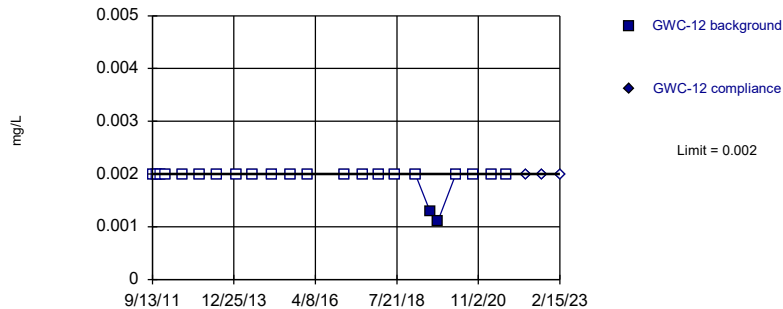


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 23 background values. 21.74% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

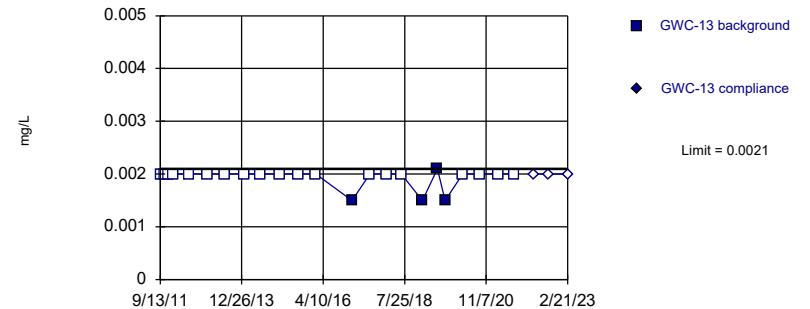


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

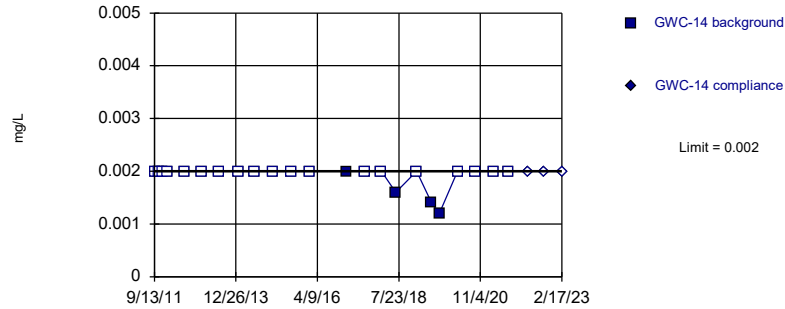


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 82.61% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

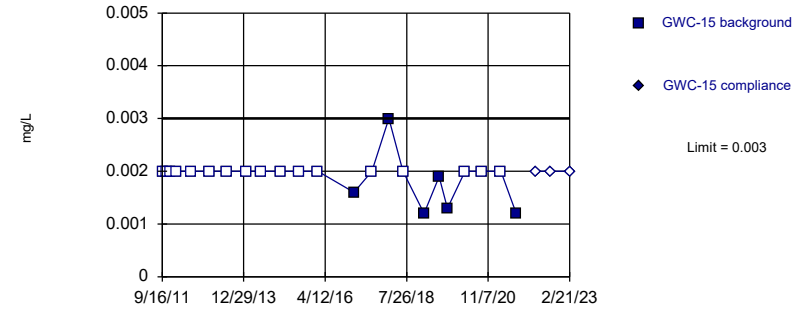


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 82.61% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 4/3/2023 9:49 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

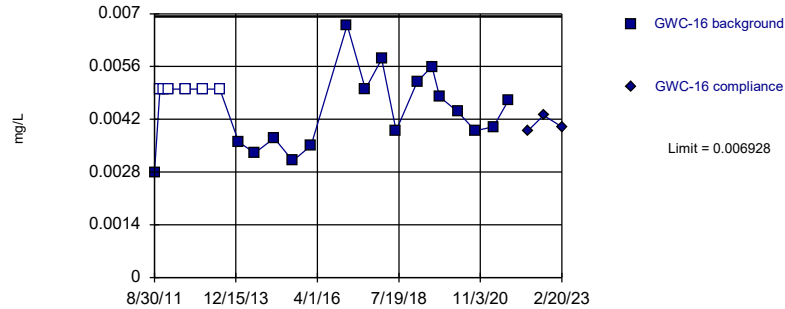


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 73.91% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

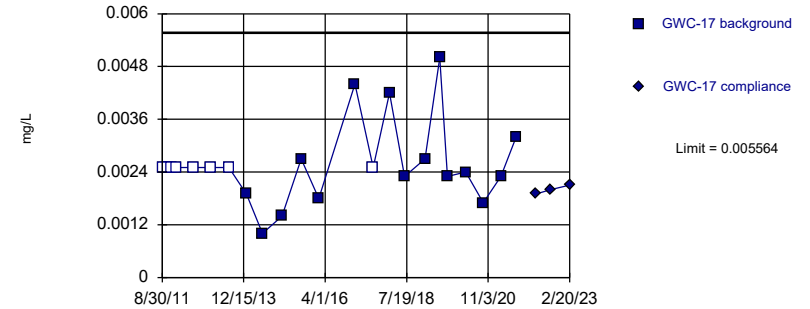


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.004174, Std. Dev.=0.0009881, n=23, 26.09% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9551, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Vanadium Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

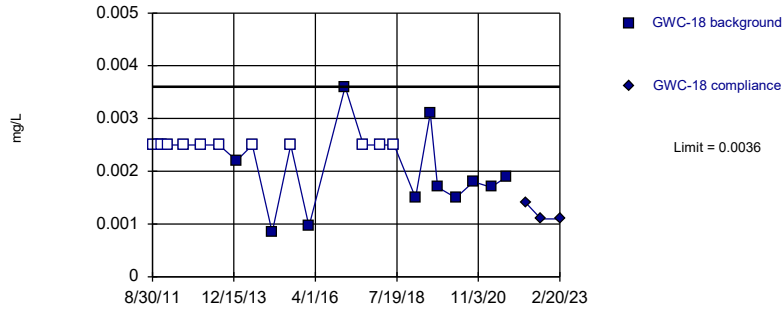


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.04582, Std. Dev.=0.01032, n=23, 34.78% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.896, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Vanadium Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

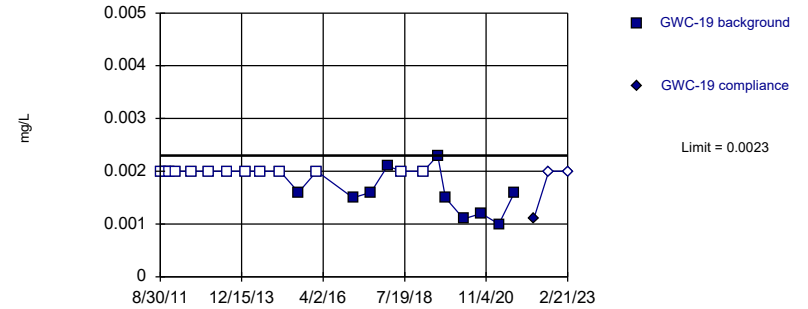


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 52.17% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

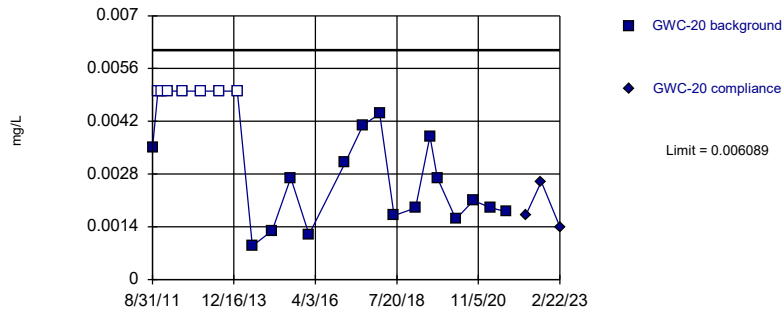


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 56.52% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

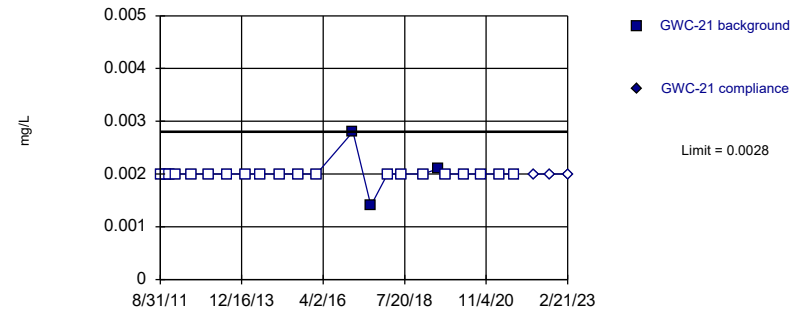


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.0468, Std. Dev.=0.01121, n=23, 30.43% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8859, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Vanadium Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric



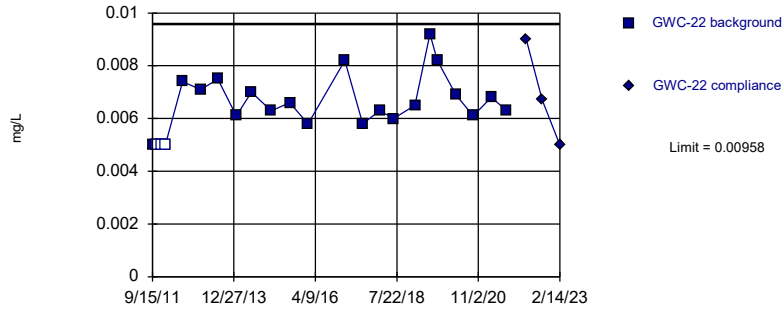
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill



Within Limit

Prediction Limit  
Intrawell Parametric

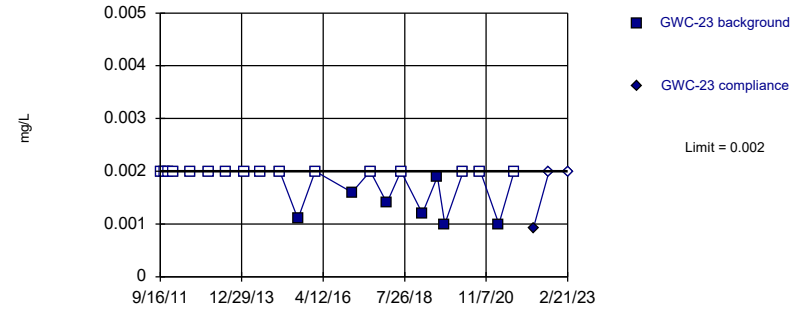


Background Data Summary: Mean=0.006526, Std. Dev.=0.001096, n=23, 13.04% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9482, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Vanadium Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

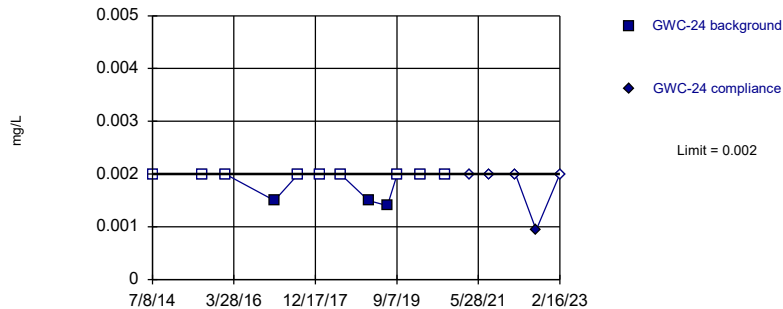


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 69.57% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

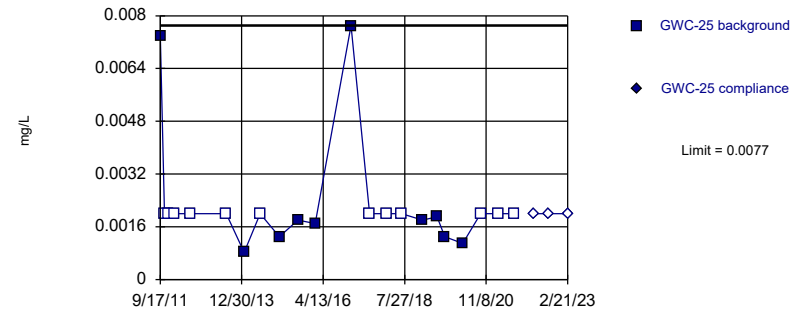


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 12 background values. 75% NDs. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Vanadium Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

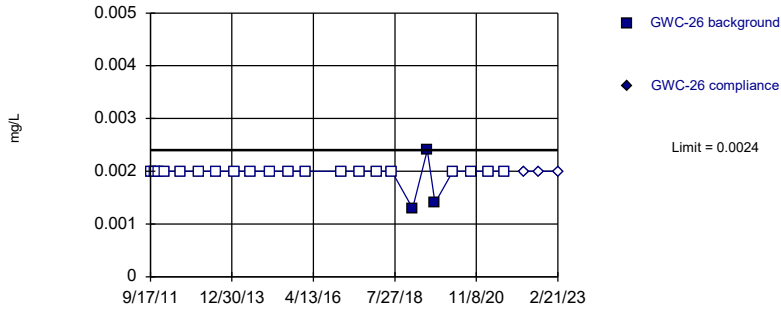


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 54.55% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Vanadium Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

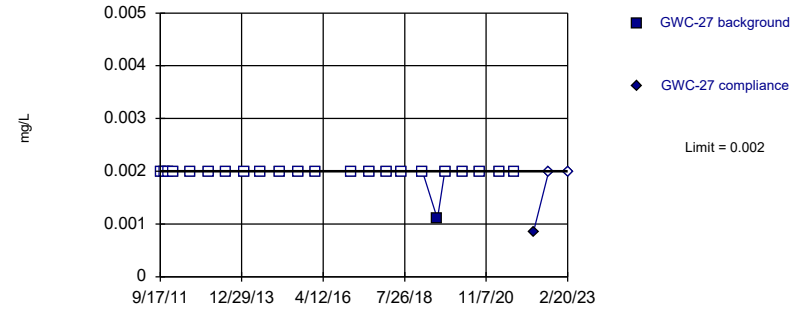


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

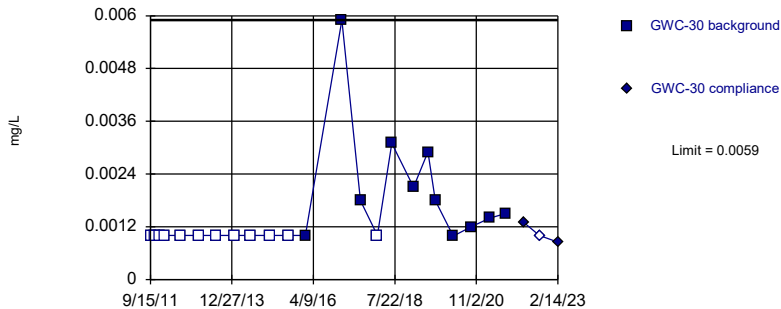


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 95.65% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

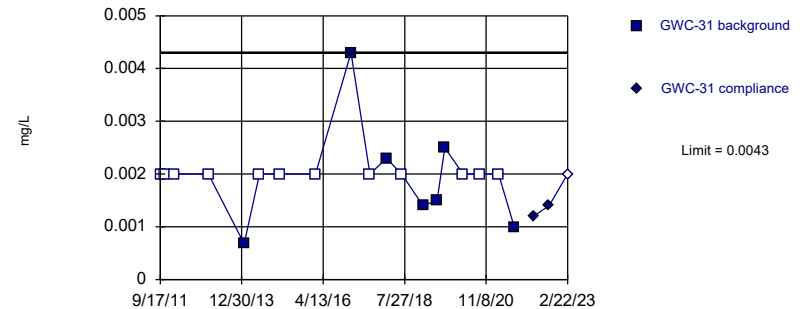


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 52.17% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

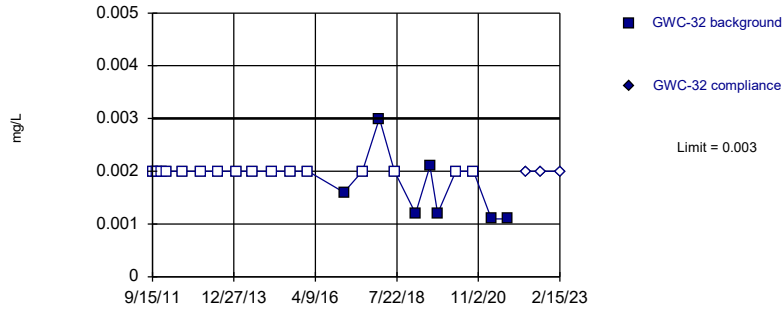


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 63.16% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Vanadium Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

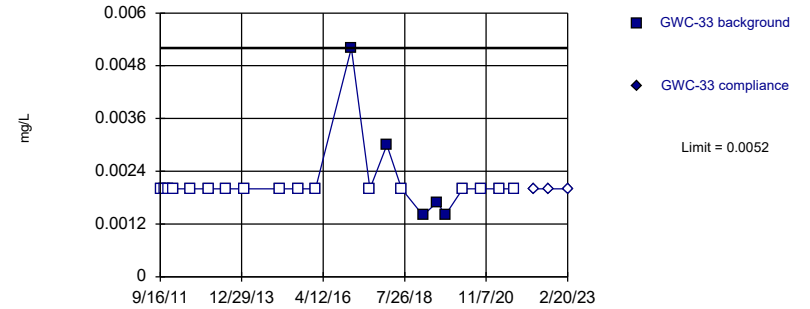


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 69.57% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

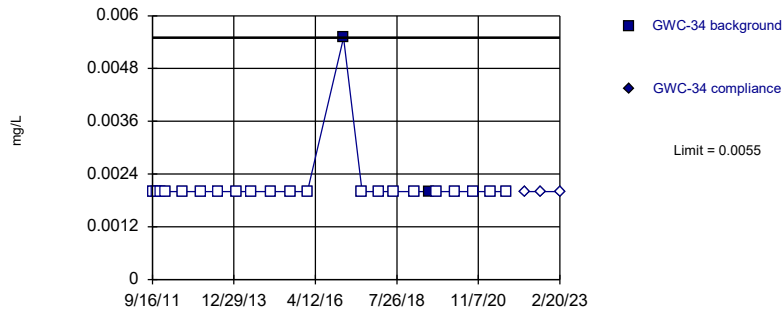


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 77.27% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Vanadium Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

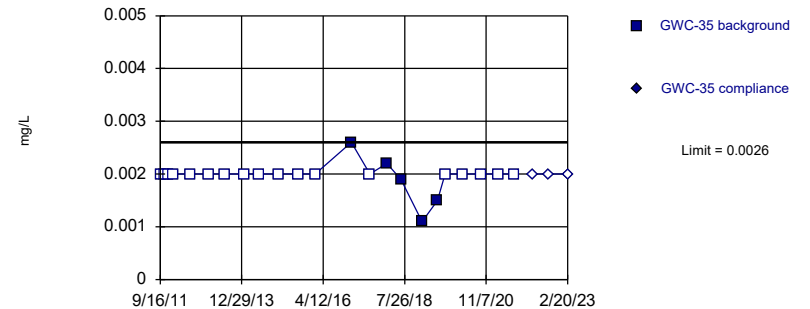


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 91.3% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

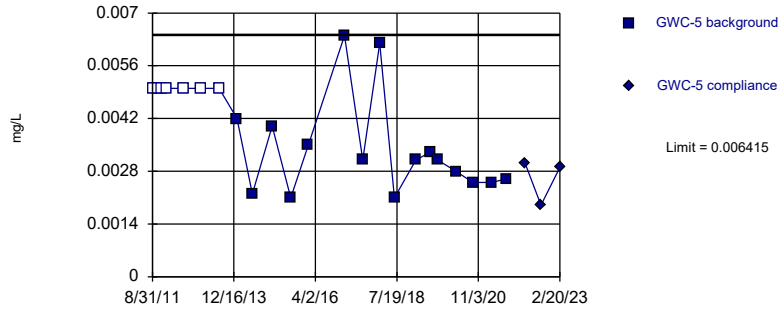


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 78.26% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

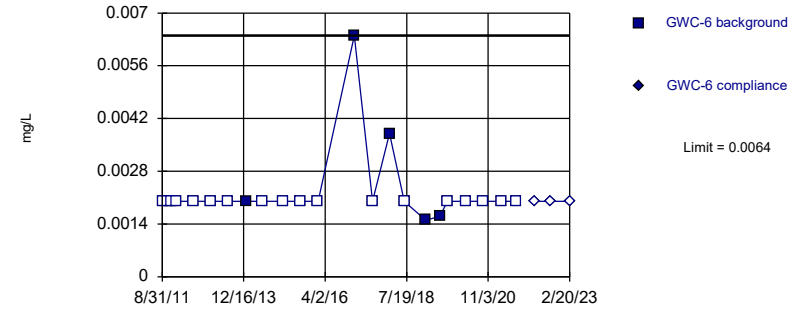


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003106, Std. Dev.=0.001187, n=23, 30.43% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.909, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Vanadium Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

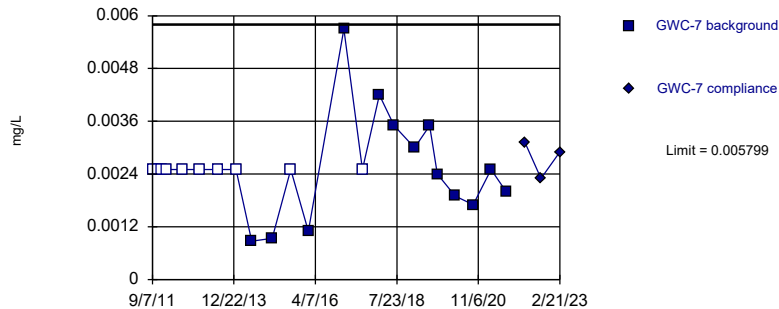


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 78.26% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

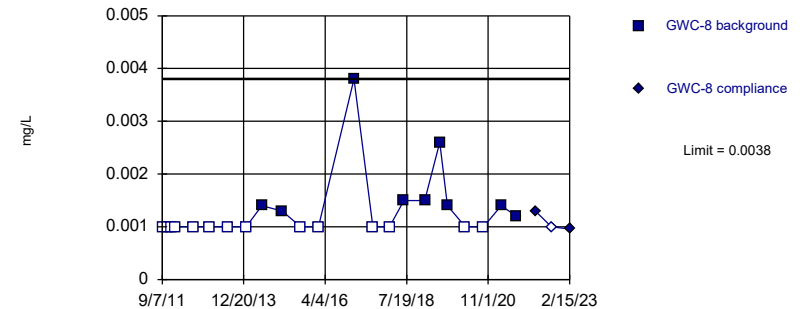


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.04317, Std. Dev.=0.01183, n=23, 43.48% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8887, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Vanadium Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

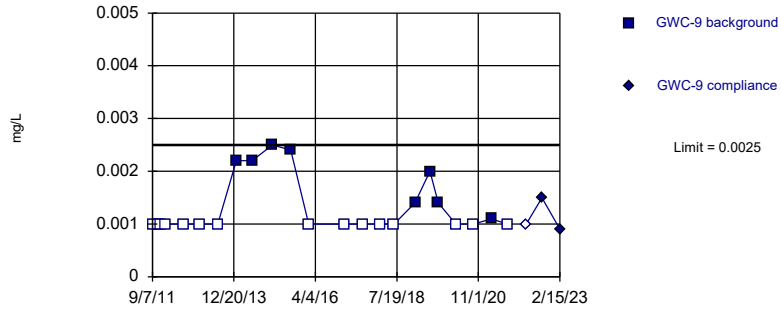


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 60.87% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

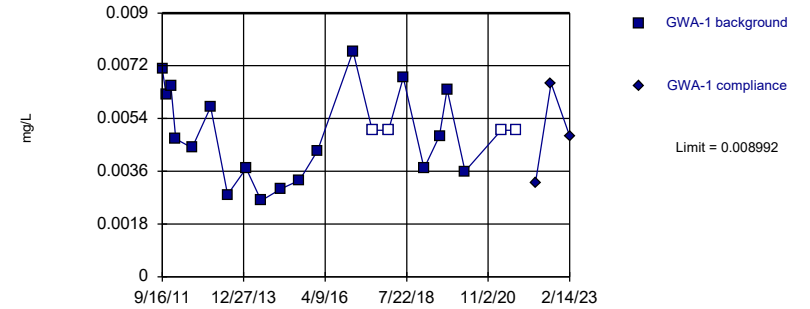


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 65.22% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Vanadium Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

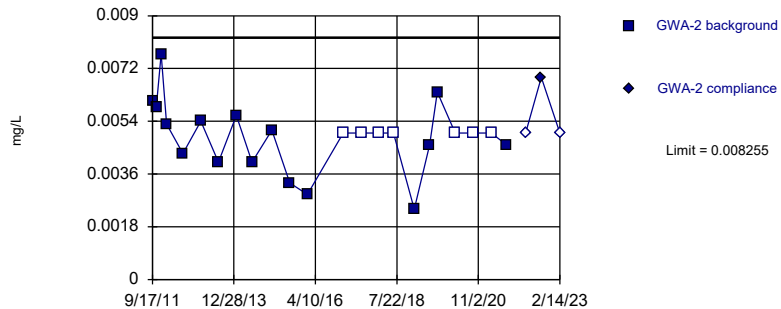


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.004609, Std. Dev.=0.001557, n=22, 18.18% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9635, critical = 0.878. Kappa = 2.815 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Zinc Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

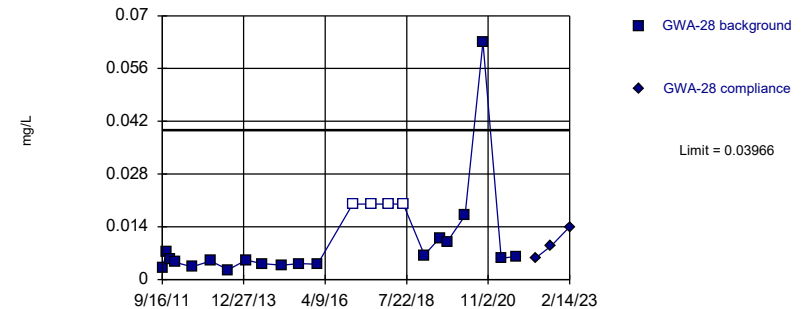


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.00432, Std. Dev.=0.001412, n=23, 30.43% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9504, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Zinc Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

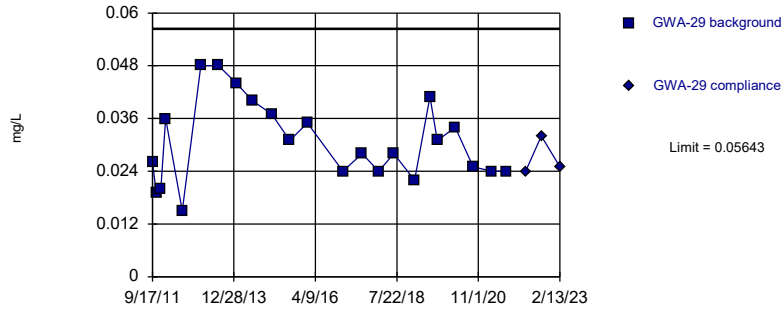


Background Data Summary (based on natural log transformation) (after Kaplan-Meier Adjustment): Mean=-5.131, Std. Dev.=0.6831, n=23, 17.39% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8991, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Zinc Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Parametric

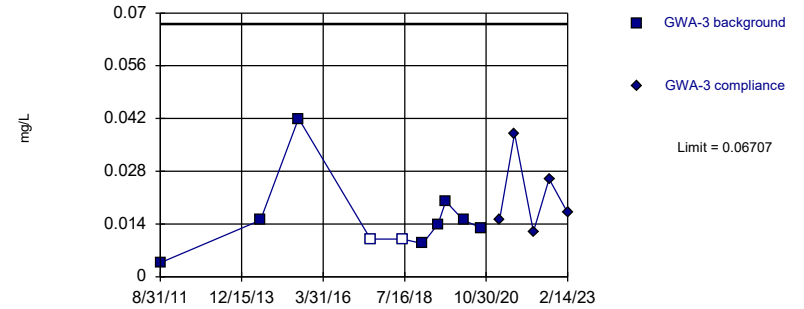


Background Data Summary: Mean=0.03061, Std. Dev.=0.009263, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9549, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Zinc Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Parametric

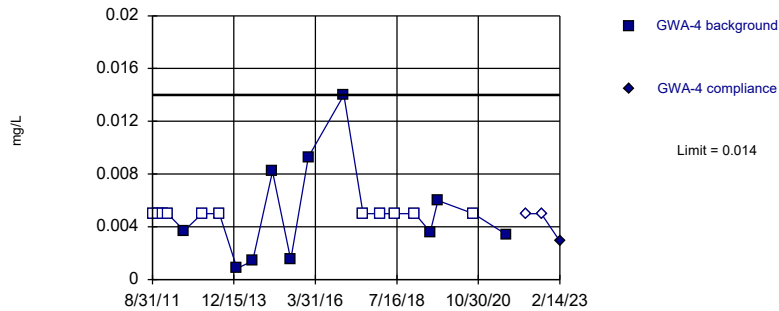


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.1155, Std. Dev.=0.0381, n=10, 20% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.889, critical = 0.842. Kappa = 3.766 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Zinc Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

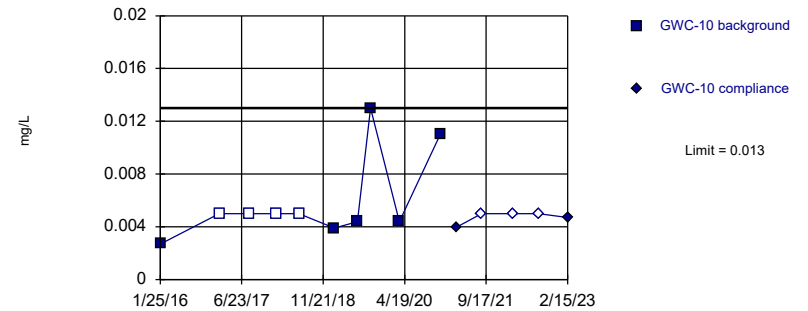


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 21 background values. 52.38% NDs. Well-constituent pair annual alpha = 0.007982. Individual comparison alpha = 0.003999 (1 of 2).

Constituent: Zinc Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Non-parametric

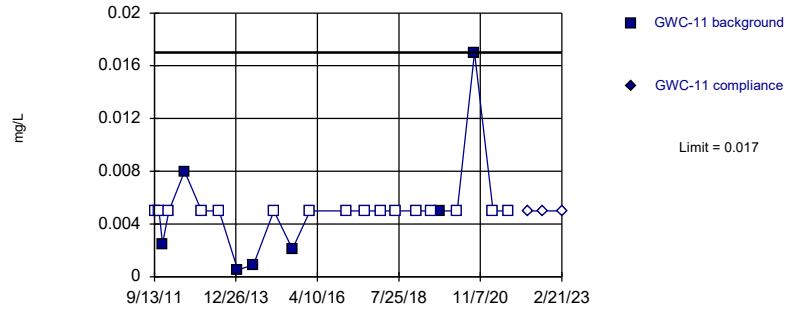


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 10 background values. 40% NDs. Well-constituent pair annual alpha = 0.0293. Individual comparison alpha = 0.01476 (1 of 2).

Constituent: Zinc Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

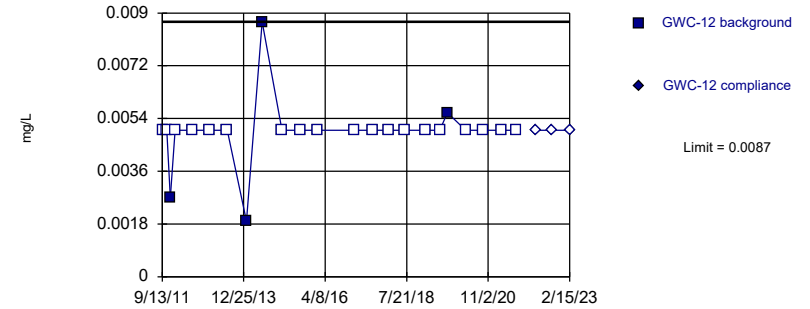


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 69.57% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

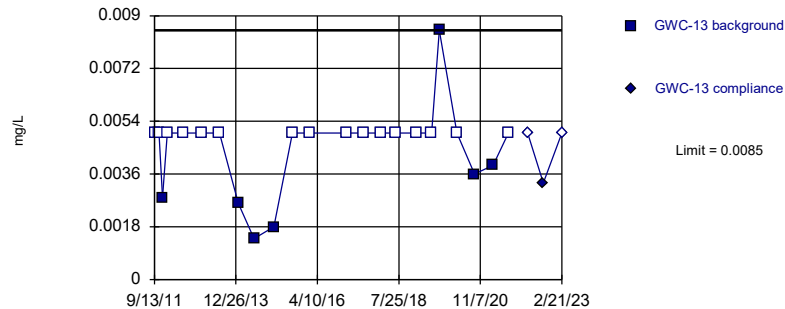


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 82.61% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

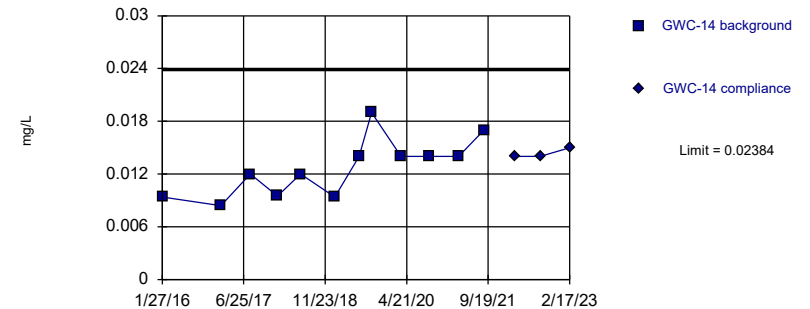


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 69.57% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

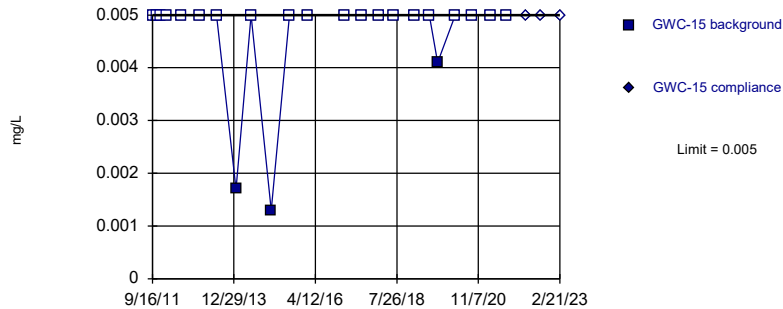


Background Data Summary: Mean=0.01273, Std. Dev.=0.003253, n=12. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9235, critical = 0.859. Kappa = 3.418 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Zinc Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

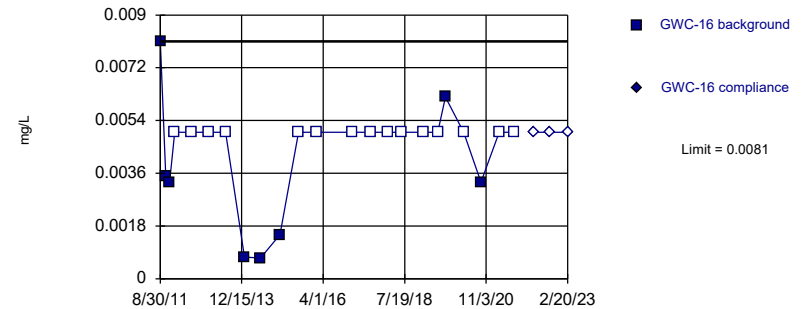


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 86.96% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

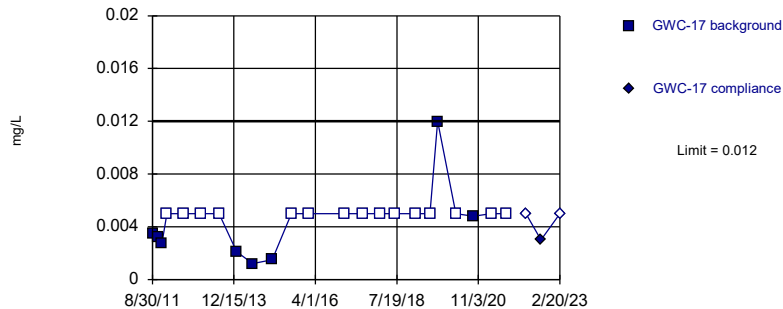


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 65.22% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

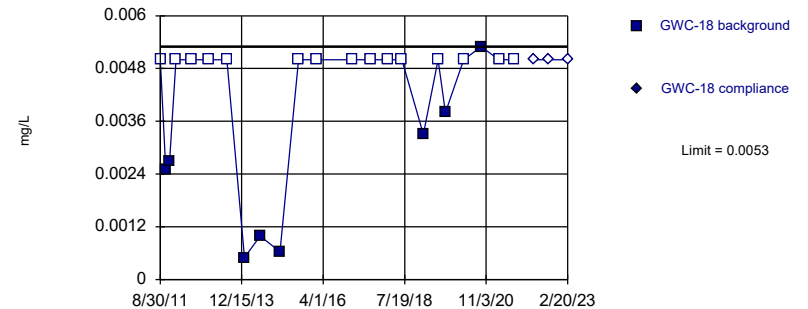


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 65.22% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric



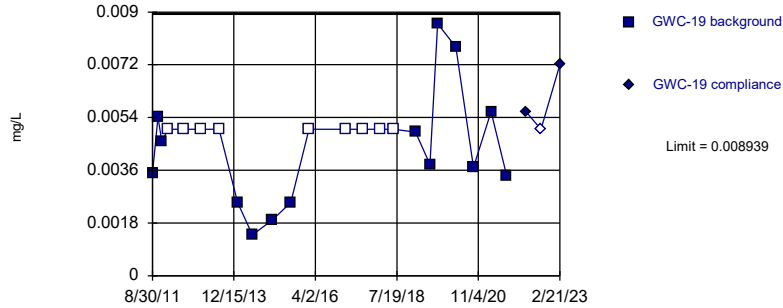
Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 65.22% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc Analysis Run 4/3/2023 9:50 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill



Within Limit

Prediction Limit  
Intrawell Parametric

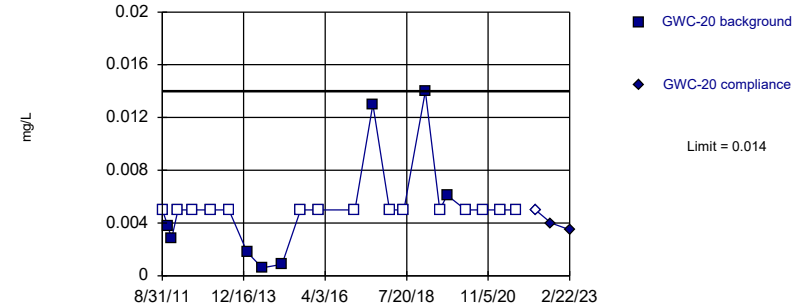


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003781, Std. Dev.=0.00185, n=23, 39.13% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9007, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Zinc Analysis Run 4/3/2023 9:51 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

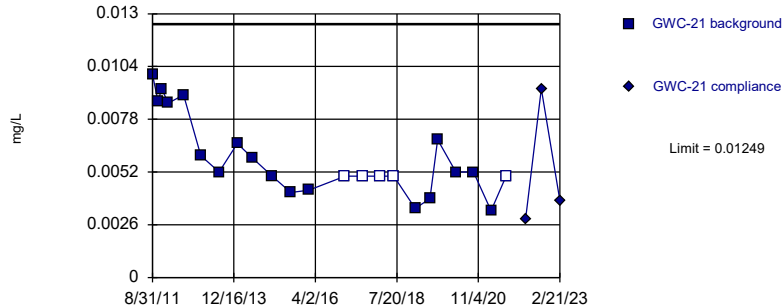


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 65.22% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc Analysis Run 4/3/2023 9:51 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

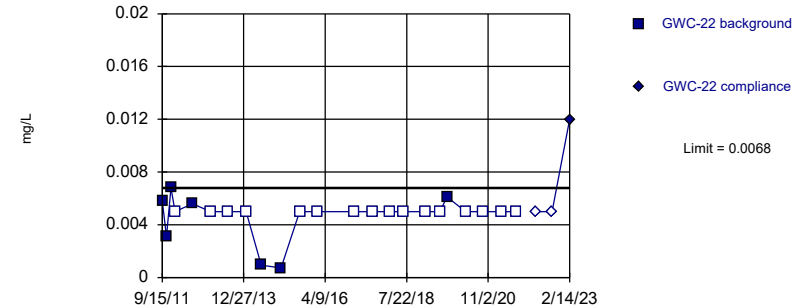


Background Data Summary (based on square root transformation) (after Kaplan-Meier Adjustment): Mean=0.0726, Std. Dev.=0.01405, n=23, 21.74% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9087, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Zinc Analysis Run 4/3/2023 9:51 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Exceeds Limit

Prediction Limit  
Intrawell Non-parametric

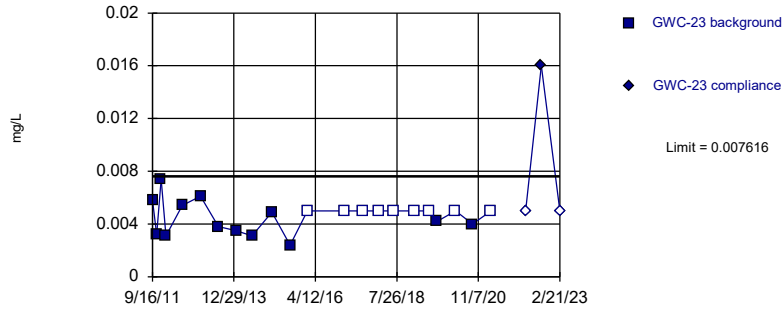


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 69.57% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc Analysis Run 4/3/2023 9:51 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

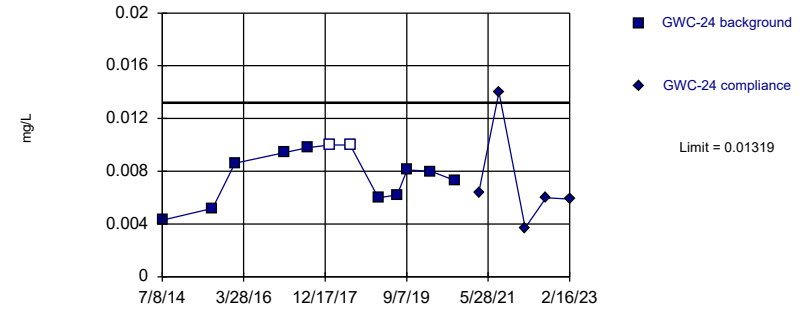


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.003986, Std. Dev.=0.00129, n=22, 40.91% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9266, critical = 0.878. Kappa = 2.815 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Zinc Analysis Run 4/3/2023 9:51 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

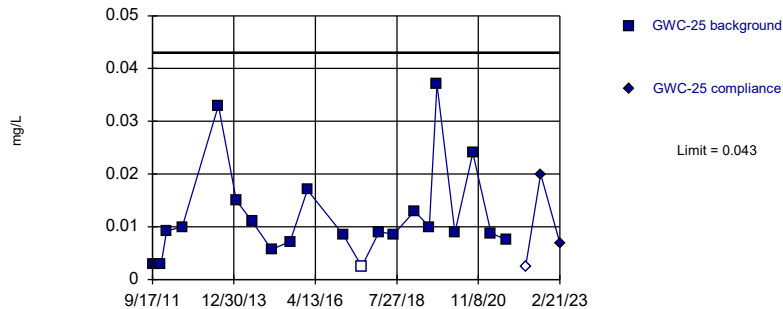


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.00729, Std. Dev.=0.001726, n=12, 16.67% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9266, critical = 0.859. Kappa = 3.418 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Zinc Analysis Run 4/3/2023 9:51 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

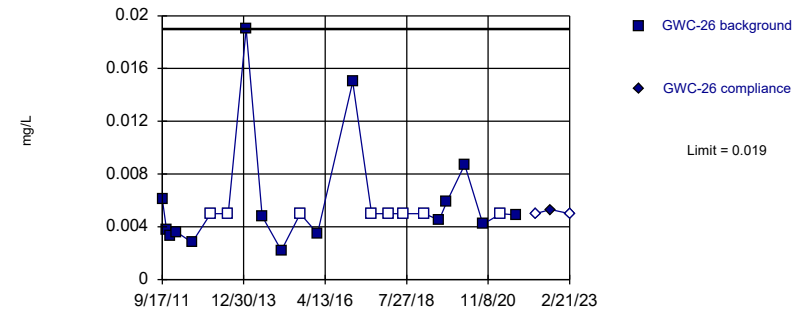


Background Data Summary (based on square root transformation): Mean=0.1011, Std. Dev.=0.03777, n=22, 4.545% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.896, critical = 0.878. Kappa = 2.815 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Zinc Analysis Run 4/3/2023 9:51 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

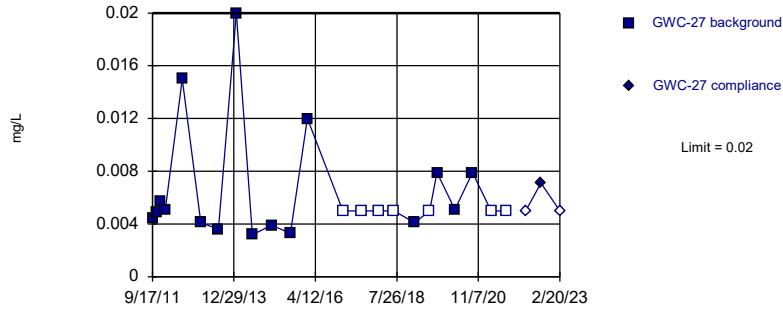


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 23 background values. 34.78% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc Analysis Run 4/3/2023 9:51 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

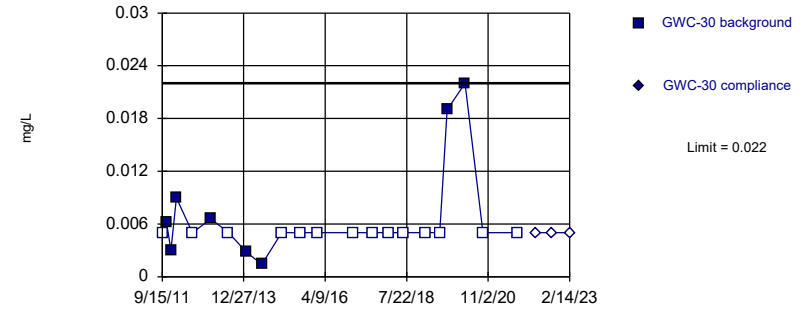


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 23 background values. 30.43% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc Analysis Run 4/3/2023 9:51 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

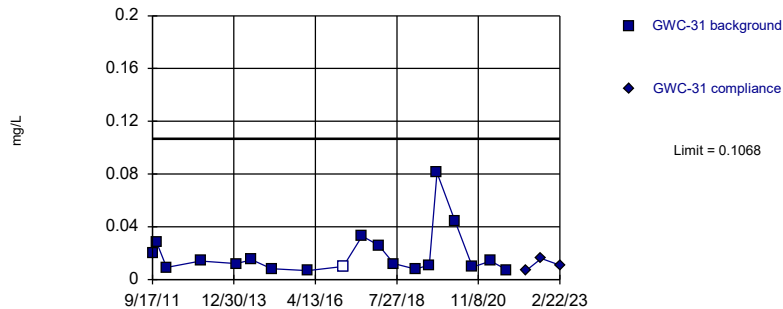


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 63.64% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Zinc Analysis Run 4/3/2023 9:51 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

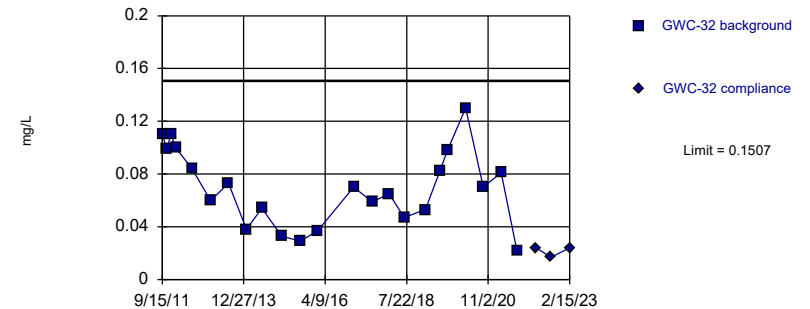


Background Data Summary (based on natural log transformation): Mean=-4.2, Std. Dev.=0.6733, n=19, 5.263% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9055, critical = 0.901. Kappa = 2.916 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Zinc Analysis Run 4/3/2023 9:51 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

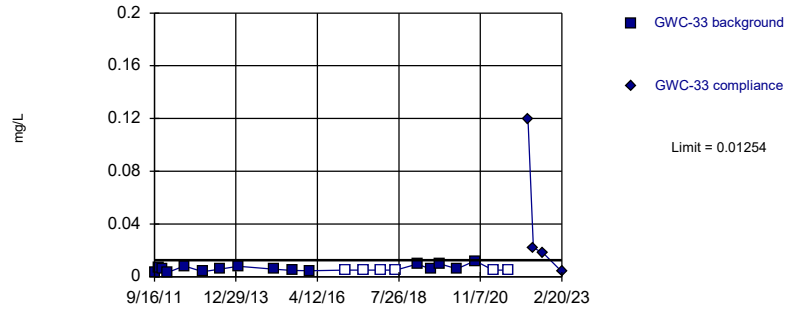


Background Data Summary: Mean=0.06974, Std. Dev.=0.02906, n=23. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9756, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Zinc Analysis Run 4/3/2023 9:51 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

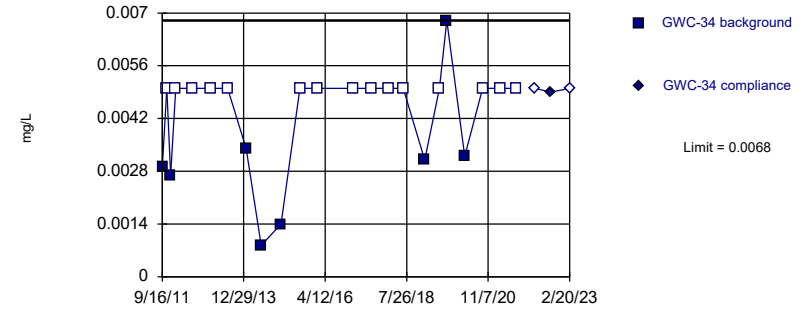


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.005835, Std. Dev.=0.002382, n=22, 27.27% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8794, critical = 0.878. Kappa = 2.815 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Zinc Analysis Run 4/3/2023 9:51 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

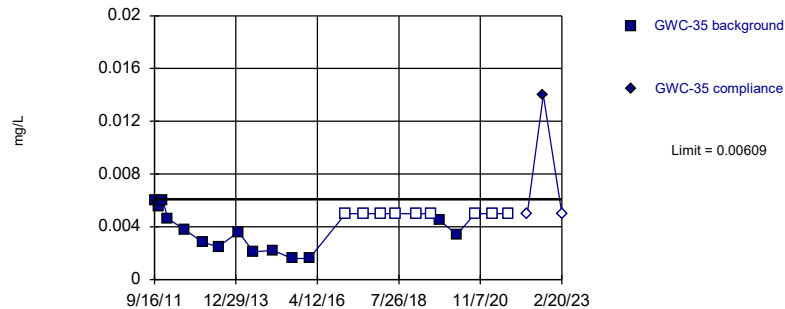


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 65.22% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc Analysis Run 4/3/2023 9:51 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

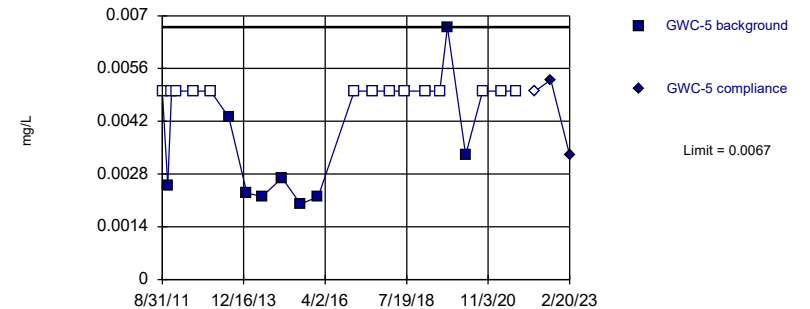


Background Data Summary (based on square transformation) (after Kaplan-Meier Adjustment): Mean=0.00001196, Std. Dev.=0.000009018, n=23, 39.13% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8958, critical = 0.881. Kappa = 2.787 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Zinc Analysis Run 4/3/2023 9:51 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

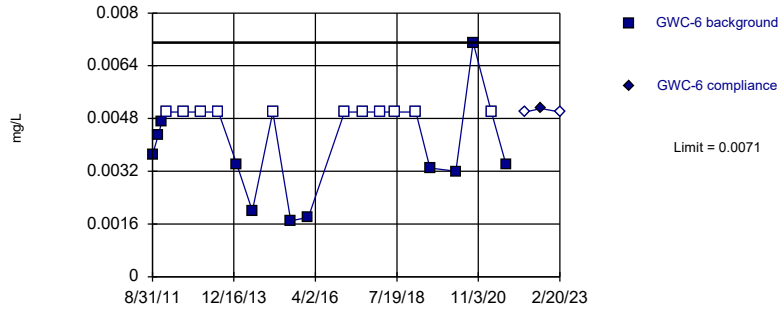


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 23 background values. 60.87% NDs. Well-constituent pair annual alpha = 0.006819. Individual comparison alpha = 0.003415 (1 of 2).

Constituent: Zinc Analysis Run 4/3/2023 9:51 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

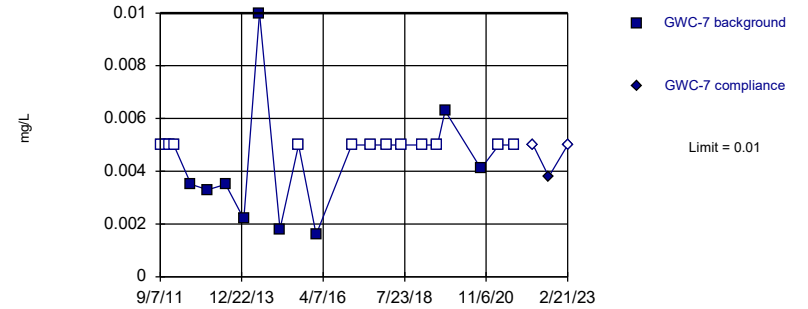


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 22 background values. 50% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Zinc Analysis Run 4/3/2023 9:51 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

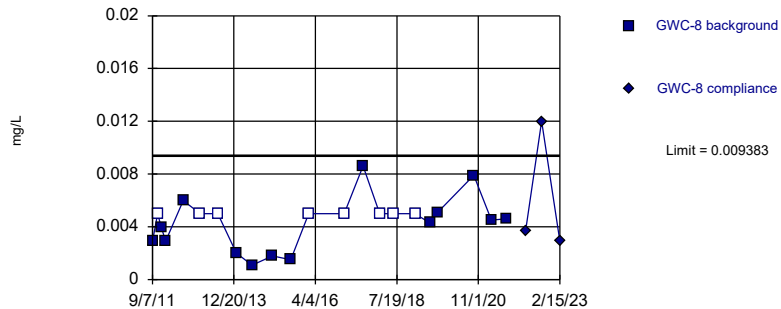


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 22 background values. 59.09% NDs. Well-constituent pair annual alpha = 0.007401. Individual comparison alpha = 0.003707 (1 of 2).

Constituent: Zinc Analysis Run 4/3/2023 9:51 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

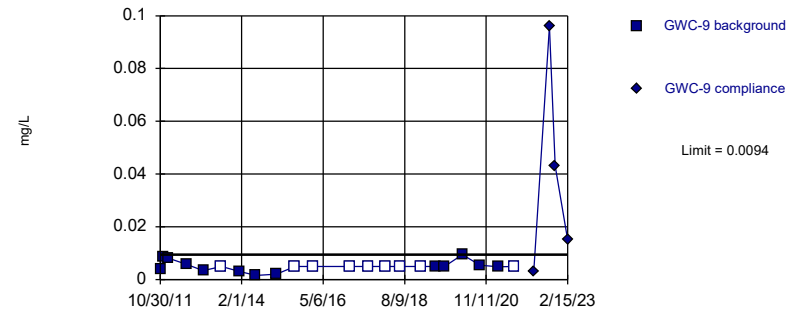


Background Data Summary (after Kaplan-Meier Adjustment): Mean=0.00357, Std. Dev.=0.002065, n=22, 36.36% NDs. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9064, critical = 0.878. Kappa = 2.815 (c=16, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0001135.

Constituent: Zinc Analysis Run 4/3/2023 9:51 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Exceeds 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 4/3/2023 9:51 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/3/2023 9:55 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1	GWA-1
9/16/2011	<0.002	
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	<0.002	
6/24/2019	<0.002	
9/9/2019	<0.002	
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	<0.002
8/9/2022	<0.002	<0.002
2/14/2023		0.00037 (J)

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/3/2023 9:55 AM 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
8/9/2022		<0.002
2/14/2023		<0.002

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/3/2023 9:55 AM 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
8/9/2022		<0.002
2/14/2023		<0.002



# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/3/2023 9:55 AM 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
8/9/2022		<0.002
2/13/2023		<0.002

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/3/2023 9:55 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/9/2022		<0.002
2/14/2023		<0.002

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/3/2023 9:55 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-4	GWA-4
8/31/2011	<0.002	
10/27/2011	<0.002	
12/14/2011	<0.002	
2/1/2012	<0.002	
7/23/2012	<0.002	
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	<0.002	
6/24/2019	<0.002	
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
8/9/2022		<0.002
2/14/2023		<0.002

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/3/2023 9:55 AM 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
8/16/2022		<0.002
2/15/2023		<0.002

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/3/2023 9:55 AM 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
8/15/2022		<0.002
2/21/2023		<0.002

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/3/2023 9:55 AM 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)
8/15/2022		0.0011 (J)
2/21/2023		<0.002

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/3/2023 9:55 AM 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
8/11/2022		<0.002
2/20/2023		<0.002

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/3/2023 9:55 AM 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	
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	<0.002	
1/26/2018	<0.002	
6/21/2018	<0.002	
1/28/2019	<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	<0.002	
8/24/2021	<0.002	
3/7/2022		<0.002
8/16/2022		<0.002
2/22/2023		0.00052 (J)



# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/3/2023 9:55 AM 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
8/17/2022		<0.002
2/14/2023		<0.002

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/3/2023 9:55 AM 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
8/16/2022		<0.002
2/21/2023		<0.002

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/3/2023 9:55 AM 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
8/18/2022		<0.002
2/16/2023		<0.002

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/3/2023 9:55 AM 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
8/10/2022		<0.002
2/21/2023		<0.002

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/3/2023 9:55 AM 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
8/10/2022		<0.002
2/21/2023		<0.002

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/3/2023 9:55 AM 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)
8/10/2022		<0.002
2/20/2023		<0.002

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/3/2023 9:55 AM 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
8/10/2022		<0.002
2/14/2023		<0.002

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/3/2023 9:55 AM 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
8/16/2022		<0.002
2/22/2023		<0.002



# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/3/2023 9:55 AM 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
8/10/2022		<0.002
2/15/2023		<0.002

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/3/2023 9:55 AM 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
8/15/2022		<0.002
2/20/2023		<0.002

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/3/2023 9:55 AM 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
8/11/2022		<0.002
2/20/2023		<0.002

# Prediction Limit

Constituent: Antimony (mg/L) Analysis Run 4/3/2023 9:55 AM 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
8/11/2022		<0.002
2/20/2023		<0.002

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/3/2023 9:55 AM 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
8/9/2022		<0.001
2/14/2023		<0.001

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/3/2023 9:55 AM 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
8/9/2022		<0.001
2/14/2023		<0.001

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/3/2023 9:55 AM 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
8/9/2022		<0.001
2/14/2023		<0.001

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/3/2023 9:55 AM 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
8/9/2022		<0.001
2/13/2023		<0.001



# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/3/2023 9:55 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/9/2022		<0.001
2/14/2023		<0.001

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/3/2023 9:55 AM 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
8/9/2022		<0.001
2/14/2023		<0.001

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/3/2023 9:55 AM 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	0.00165 (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)
8/15/2022		0.0013
2/21/2023		<0.001

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/3/2023 9:55 AM 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)
8/16/2022		<0.001
2/15/2023		<0.001

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/3/2023 9:55 AM 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
8/15/2022		<0.001
2/21/2023		<0.001

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/3/2023 9:55 AM 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
8/16/2022		<0.001
2/17/2023		<0.001

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/3/2023 9:55 AM 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
8/16/2022		<0.001
2/20/2023		<0.001

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/3/2023 9:55 AM 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
8/11/2022		<0.001
2/20/2023		<0.001



# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/3/2023 9:55 AM View: PLs - App 1  
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
8/11/2022		<0.001
2/20/2023		<0.001

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/3/2023 9:55 AM 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
8/11/2022		<0.001
2/21/2023		<0.001

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/3/2023 9:55 AM 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
8/16/2022		<0.001
2/22/2023		<0.001

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/3/2023 9:55 AM 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
8/16/2022		<0.001
2/21/2023		<0.001

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/17/2022		<0.001
2/14/2023		<0.001

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		<0.001
2/21/2023		<0.001

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/18/2022		<0.001
2/16/2023		<0.001

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/10/2022		<0.001
2/21/2023		<0.001



# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/10/2022		<0.001
2/21/2023		<0.001

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		<0.001
2/22/2023		<0.001

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/10/2022		<0.001
2/15/2023		<0.001

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/15/2022		<0.001
2/20/2023		<0.001

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/10/2022		<0.001
2/20/2023		<0.001

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/15/2022		<0.001
2/20/2023		<0.001

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/11/2022		<0.001
2/20/2023		<0.001

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/11/2022		<0.001
2/20/2023		<0.001



# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/11/2022		<0.001
2/21/2023		<0.001

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/11/2022		<0.001
2/15/2023		<0.001

# Prediction Limit

Constituent: Arsenic (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		0.00092 (J)
2/15/2023		<0.001

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/9/2022		0.012
2/14/2023		0.011

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/9/2022		0.015
2/14/2023		0.011

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/9/2022		<0.01
2/14/2023		0.001 (J)

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/9/2022		0.0011 (J)
2/13/2023		<0.01

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/9/2022		0.098
2/14/2023		0.075



# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/9/2022		0.12
2/14/2023		0.12

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/16/2022		0.011
2/15/2023		0.017

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/15/2022		0.22
2/21/2023		0.076

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		0.025
2/15/2023		0.029

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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)
8/15/2022		0.0042 (J)
2/21/2023		0.0033 (J)

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-14	GWC-14
9/13/2011	0.01	
10/27/2011	0.019	
12/3/2011	0.011	
1/24/2012	0.015	
7/11/2012	0.01	
1/8/2013	0.013	
7/10/2013	0.014	
1/21/2014	<0.0013	
7/1/2014	0.014	
1/14/2015	0.033	
7/22/2015	0.072	
1/27/2016	0.083	
3/30/2016	0.0943	
5/25/2016	0.117	
7/26/2016	0.11	
9/15/2016	0.16	
11/17/2016	0.27	
2/1/2017	0.088	
3/23/2017	0.11	
5/3/2017	0.1	
8/7/2017	0.23	
1/25/2018	0.1	
6/20/2018	0.25	
1/22/2019	0.15	
6/25/2019	0.16	
9/12/2019	0.32	
3/17/2020	0.23	
9/10/2020	0.24	
3/17/2021	0.26	
8/23/2021	0.17	
3/7/2022		0.23
8/16/2022		0.24
2/17/2023		0.17

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/16/2022		0.0076 (J)
2/21/2023		0.011

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/16/2022		0.018
2/20/2023		0.018



# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/11/2022		0.017
2/20/2023		0.025

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/11/2022		0.036
2/20/2023		0.043

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/11/2022		0.054
2/21/2023		0.15

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		0.031
2/22/2023		0.032

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		0.042
2/21/2023		0.052

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/17/2022		0.022
2/14/2023		0.024

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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)
8/16/2022		0.0049 (J)
2/21/2023		0.005 (J)

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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)
8/18/2022		0.014
2/16/2023		0.013



# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/10/2022		0.031
2/21/2023		0.026

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/10/2022		0.037
2/21/2023		0.037

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/10/2022		0.017
2/20/2023		0.0098 (J)

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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)
8/10/2022		0.0076 (J)
2/14/2023		0.0069 (J)

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		0.0013 (J)
2/22/2023		0.003 (J)

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/10/2022		0.0011 (J)
2/15/2023		<0.01

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM 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)
8/15/2022		0.0042 (J)
2/20/2023		0.0056 (J)

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/10/2022		0.013
2/20/2023		0.015



# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/15/2022		0.027
2/20/2023		0.031

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/11/2022		0.023
2/20/2023		0.026

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/11/2022		0.066
2/20/2023		0.059

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/11/2022		0.062
2/21/2023		0.071

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/11/2022		0.037
2/15/2023		0.027

# Prediction Limit

Constituent: Barium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		0.16
2/15/2023		0.076

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/9/2022		<0.0025
2/14/2023		<0.0025

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/9/2022		<0.0025
2/14/2023		<0.0025



# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/3/2023 9:56 AM 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)
8/9/2022		0.00045 (J)
2/14/2023		0.00044 (J)

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/3/2023 9:56 AM 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)
8/9/2022		0.0021 (J)
2/13/2023		0.002 (J)

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/9/2022		<0.0025
2/14/2023		<0.0025

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/3/2023 9:56 AM 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	<0.0025	
7/21/2015	<0.0025	
1/20/2016	<0.0025	
3/23/2016	<0.0025	
5/19/2016	<0.0025	
7/21/2016	<0.0025	
9/14/2016	<0.0025	
11/10/2016	<0.0025	
1/17/2017	<0.0025	
3/16/2017	<0.0025	
4/27/2017	<0.0025	
8/2/2017	<0.0025	
1/22/2018	<0.0025	
6/19/2018	<0.0025	
1/17/2019	<0.0025	
6/24/2019	<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	
3/1/2022		<0.0025
8/9/2022		<0.0025
2/14/2023		<0.0025

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/15/2022		<0.0025
2/21/2023		<0.0025

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		<0.0025
2/15/2023		<0.0025

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/3/2023 9:56 AM 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)
8/16/2022		0.0006 (J)
2/17/2023		0.0003 (J)

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		<0.0025
2/21/2023		<0.0025



# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		<0.0025
2/20/2023		<0.0025

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/11/2022		<0.0025
2/20/2023		<0.0025

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/11/2022		<0.0025
2/20/2023		<0.0025

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/11/2022		<0.0025
2/21/2023		0.0002 (J)

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		<0.0025
2/22/2023		<0.0025

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		<0.0025
2/21/2023		<0.0025

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/17/2022		<0.0025
2/14/2023		<0.0025

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		<0.0025
2/21/2023		<0.0025



# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/18/2022		<0.0025
2/16/2023		<0.0025

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/10/2022		<0.0025
2/21/2023		<0.0025

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/10/2022		<0.0025
2/21/2023		<0.0025

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/10/2022		0.0056
2/20/2023		0.0016 (J)

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/10/2022		<0.0025
2/14/2023		<0.0025

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/3/2023 9:56 AM 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)
8/16/2022		0.00041 (J)
2/22/2023		0.00091 (J)

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/3/2023 9:56 AM 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)
8/10/2022		0.0016 (J)
2/15/2023		0.0013 (J)

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/15/2022		0.00044 (J)
2/20/2023		0.00044 (J)



# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/10/2022		<0.0025
2/20/2023		<0.0025

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/15/2022		<0.0025
2/20/2023		<0.0025

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/11/2022		<0.0025
2/20/2023		<0.0025

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/11/2022		<0.0025
2/15/2023		<0.0025

# Prediction Limit

Constituent: Beryllium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		0.00035 (J)
2/15/2023		<0.0025

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/9/2022		<0.0025
2/14/2023		9E-05 (J)

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/3/2023 9:56 AM 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	<0.0025	
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	<0.0025	
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	<0.0025	
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
8/9/2022		<0.0025
2/14/2023		<0.0025

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/3/2023 9:56 AM 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	<0.0025	
7/1/2014	<0.0025	
1/21/2015	<0.0025	
7/21/2015	<0.0025	
1/22/2016	<0.0025	
3/22/2016	<0.0025	
5/23/2016	<0.0025	
7/25/2016	<0.0025	
9/15/2016	<0.0025	
11/9/2016	<0.0025	
1/17/2017	<0.0025	
3/16/2017	<0.0025	
4/27/2017	<0.0025	
8/1/2017	<0.0025	
1/19/2018	<0.0025	
6/19/2018	<0.0025	
1/21/2019	<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	
8/16/2021	<0.0025	
3/1/2022		<0.0025
8/9/2022		<0.0025
2/14/2023		8E-05 (J)



# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/9/2022		8.5E-05 (J)
2/13/2023		<0.0025

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/9/2022		0.00018 (J)
2/14/2023		0.00015 (J)

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/3/2023 9:56 AM 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	<0.0025	
7/21/2015	<0.0025	
1/20/2016	<0.0025	
3/23/2016	<0.0025	
5/19/2016	<0.0025	
7/21/2016	<0.0025	
9/14/2016	<0.0025	
11/10/2016	<0.0025	
1/17/2017	<0.0025	
3/16/2017	<0.0025	
4/27/2017	<0.0025	
8/2/2017	<0.0025	
1/22/2018	<0.0025	
6/19/2018	<0.0025	
1/17/2019	<0.0025	
6/24/2019	<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	
3/1/2022		<0.0025
8/9/2022		<0.0025
2/14/2023		<0.0025

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/15/2022		<0.0025
2/21/2023		<0.0025

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-13	GWC-13
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	
1/27/2016	<0.0025	
3/29/2016	<0.0025	
5/25/2016	<0.0025	
7/26/2016	<0.0025	
9/15/2016	<0.0025	
11/17/2016	<0.0025	
1/31/2017	<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	
9/12/2019	<0.0025	
3/12/2020	<0.0025	
9/10/2020	<0.0025	
3/17/2021	<0.0025	
8/23/2021	<0.0025	
3/8/2022		<0.0025
8/15/2022		0.0001 (J)
2/21/2023		<0.0025

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		0.00045 (J)
2/17/2023		0.00011 (J)

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/3/2023 9:56 AM 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)
8/11/2022		<0.0025
2/21/2023		<0.0025

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		9.5E-05 (J)
2/21/2023		0.00012 (J)



# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/17/2022		<0.0025
2/14/2023		9E-05 (J)

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/18/2022		<0.0025
2/16/2023		8E-05 (J)

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/10/2022		<0.0025
2/21/2023		<0.0025

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/3/2023 9:56 AM 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	<0.0025	
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	<0.0025	
3/17/2020	<0.0025	
9/11/2020	<0.0025	
3/16/2021	<0.0025	
8/25/2021	<0.0025	
3/10/2022		<0.0025
8/16/2022		<0.0025
2/22/2023		8E-05 (J)

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/3/2023 9:56 AM 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	<0.0025	
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	<0.0025	
6/26/2019	<0.0025	
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
8/10/2022		0.00016 (J)
2/20/2023		0.00014 (J)

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/3/2023 9:56 AM 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	<0.0025	
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	
7/22/2016	<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	
8/4/2017	<0.0025	
1/23/2018	<0.0025	
6/25/2018	<0.0025	
1/21/2019	<0.0025	
6/25/2019	<0.0025	
9/10/2019	<0.0025	
3/12/2020	<0.0025	
9/14/2020	<0.0025	
3/16/2021	<0.0025	
8/19/2021	<0.0025	
3/2/2022		<0.0025
8/11/2022		<0.0025
2/21/2023		8.5E-05 (J)

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/11/2022		<0.0025
2/15/2023		<0.0025

# Prediction Limit

Constituent: Cadmium (mg/L) Analysis Run 4/3/2023 9:56 AM 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	<0.0025	
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	
7/25/2016	<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	<0.0025	
6/25/2019	<0.0025	
9/16/2019	<0.0025	
3/16/2020	<0.0025	
9/11/2020	<0.0025	
3/16/2021	<0.0025	
8/25/2021	<0.0025	
3/9/2022		<0.0025
8/16/2022		9.5E-05 (J)
2/15/2023		<0.0025



# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/9/2022		<0.002
2/14/2023		<0.002

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/9/2022		<0.002
2/14/2023		<0.002

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/9/2022		<0.002
2/14/2023		<0.002

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/9/2022		<0.002
2/13/2023		<0.002

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/9/2022		<0.002
2/14/2023		<0.002

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/9/2022		<0.002
2/14/2023		<0.002

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		<0.002
2/15/2023		<0.002

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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)
8/15/2022		0.0017 (J)
2/21/2023		0.002



# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		<0.002
2/15/2023		<0.002

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/15/2022		<0.002
2/21/2023		<0.002

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		<0.002
2/17/2023		<0.002

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		<0.002
2/21/2023		<0.002

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		0.0019 (J)
2/20/2023		0.0027

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/11/2022		<0.002
2/20/2023		<0.002

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/11/2022		<0.002
2/20/2023		<0.002

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/11/2022		<0.002
2/21/2023		<0.002



# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		<0.002
2/22/2023		<0.002

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		<0.002
2/21/2023		<0.002

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/17/2022		<0.002
2/14/2023		<0.002

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		<0.002
2/21/2023		<0.002

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/18/2022		<0.002
2/16/2023		<0.002

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/10/2022		<0.002
2/21/2023		<0.002

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/10/2022		<0.002
2/21/2023		<0.002

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/10/2022		<0.002
2/20/2023		<0.002



# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/10/2022		<0.002
2/14/2023		<0.002

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		<0.002
2/22/2023		0.0014 (J)

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/10/2022		<0.002
2/15/2023		<0.002

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/15/2022		<0.002
2/20/2023		<0.002

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/10/2022		<0.002
2/20/2023		<0.002

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/15/2022		<0.002
2/20/2023		<0.002

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/11/2022		<0.002
2/20/2023		0.0017 (J)

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/11/2022		<0.002
2/20/2023		<0.002



# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/11/2022		<0.002
2/21/2023		<0.002

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/11/2022		<0.002
2/15/2023		<0.002

# Prediction Limit

Constituent: Chromium (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		0.0017 (J)
2/15/2023		<0.002

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/3/2023 9:56 AM 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)
8/9/2022		0.00038 (J)
2/14/2023		<0.0025

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/9/2022		<0.0025
2/14/2023		<0.0025

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/3/2023 9:56 AM 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	<0.0025	
7/1/2014	<0.0025	
1/21/2015	<0.0025	
7/21/2015	<0.0025	
1/22/2016	<0.0025	
3/22/2016	<0.0025	
5/23/2016	<0.0025	
7/25/2016	<0.0025	
9/15/2016	<0.0025	
11/9/2016	<0.0025	
1/17/2017	<0.0025	
3/16/2017	<0.0025	
4/27/2017	<0.0025	
8/1/2017	<0.0025	
1/19/2018	<0.0025	
6/19/2018	<0.0025	
1/21/2019	<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	
8/16/2021	<0.0025	
3/1/2022		<0.0025
8/9/2022		<0.0025
2/14/2023		<0.0025

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/9/2022		<0.0025
2/13/2023		<0.0025

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/3/2023 9:56 AM 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)
8/9/2022		<0.0025
2/14/2023		<0.0025



# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/9/2022		0.0075
2/14/2023		0.0037

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/16/2022		0.0011 (J)
2/15/2023		0.0042

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/3/2023 9:56 AM 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)
8/15/2022		0.0014 (J)
2/21/2023		0.00073 (J)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/3/2023 9:56 AM 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)
8/16/2022		<0.0025
2/15/2023		0.0018 (J)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		0.02
2/17/2023		0.29

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		<0.0025
2/21/2023		<0.0025

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		<0.0025
2/20/2023		<0.0025

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/3/2023 9:56 AM 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)
8/11/2022		<0.0025
2/21/2023		0.00053 (J)



# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		<0.0025
2/22/2023		<0.0025

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		0.0031
2/21/2023		0.0029

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/17/2022		<0.0025
2/14/2023		<0.0025

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		<0.0025
2/21/2023		<0.0025

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/3/2023 9:56 AM 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)
8/18/2022		0.00098 (J)
2/16/2023		0.0019 (J)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/3/2023 9:56 AM 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)
8/10/2022		0.002 (J)
2/21/2023		0.0047

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/10/2022		<0.0025
2/21/2023		<0.0025

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/3/2023 9:56 AM 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)
8/10/2022		0.0015 (J)
2/20/2023		0.0023 (J)



# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		<0.0025
2/22/2023		<0.0025

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/10/2022		<0.0025
2/15/2023		<0.0025

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/3/2023 9:56 AM 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)
8/15/2022		<0.0025
2/20/2023		<0.0025

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/10/2022		<0.0025
2/20/2023		<0.0025

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/15/2022		0.00036 (J)
2/20/2023		<0.0025

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/11/2022		0.0022 (J)
2/20/2023		0.004

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/11/2022		0.015
2/20/2023		0.013

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/3/2023 9:56 AM 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)
8/11/2022		0.0019 (J)
2/21/2023		0.00079 (J)



# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/11/2022		0.021
2/15/2023		0.0016 (J)

# Prediction Limit

Constituent: Cobalt (mg/L) Analysis Run 4/3/2023 9:56 AM 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
8/16/2022		0.15
2/15/2023		0.022

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App 1  
Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1	GWA-1
9/16/2011	<0.002	
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	
1/19/2017	<0.002	
8/3/2017	<0.002	
1/19/2018	<0.002	
6/19/2018	<0.002	
1/17/2019	<0.002	
6/24/2019	<0.002	
9/9/2019	<0.002	
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
8/9/2022		<0.002
2/14/2023		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App 1  
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
8/9/2022		<0.002
2/14/2023		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App 1  
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
8/9/2022		<0.002
2/14/2023		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App 1  
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
8/9/2022		0.0055
2/13/2023		0.0048

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App 1  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/9/2022		0.0033
2/14/2023		0.0017 (J)

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App 1  
Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-4	GWA-4
8/31/2011	<0.002	
10/27/2011	<0.002	
12/14/2011	<0.002	
2/1/2012	<0.002	
7/23/2012	<0.002	
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	
1/17/2017	<0.002	
8/2/2017	<0.002	
1/22/2018	<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	
9/9/2020	<0.002	
3/15/2021	<0.002	
8/18/2021	<0.002	
3/1/2022		<0.002
8/9/2022		<0.002
2/14/2023		<0.002



# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App 1  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/16/2022		<0.002
2/15/2023		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App 1  
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
8/15/2022		<0.002
2/21/2023		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App 1  
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
8/16/2022		<0.002
2/15/2023		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App 1  
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
8/15/2022		<0.002
2/21/2023		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App 1  
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
8/16/2022		<0.002
2/17/2023		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App 1  
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
8/16/2022		<0.002
2/21/2023		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App 1  
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
8/16/2022		<0.002
2/20/2023		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App 1  
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
8/11/2022		<0.002
2/20/2023		<0.002



# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App 1  
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
8/11/2022		<0.002
2/21/2023		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App 1  
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
8/16/2022		<0.002
2/22/2023		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App 1  
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
8/16/2022		<0.002
2/21/2023		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App 1  
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
8/17/2022		<0.002
2/14/2023		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App 1  
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
8/16/2022		<0.002
2/21/2023		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App 1  
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
8/18/2022		<0.002
2/16/2023		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App 1

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
8/10/2022		<0.002
2/21/2023		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App 1  
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
8/10/2022		<0.002
2/21/2023		<0.002



# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App 1  
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
8/10/2022		<0.002
2/20/2023		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App 1  
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
8/16/2022		0.0053
2/22/2023		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App 1  
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
8/15/2022		<0.002
2/20/2023		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App 1  
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
8/10/2022		<0.002
2/20/2023		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App 1  
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
8/15/2022		<0.002
2/20/2023		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App 1  
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
8/11/2022		<0.002
2/20/2023		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/3/2023 9:56 AM View: PLs - App 1  
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
8/11/2022		<0.002
2/20/2023		<0.002

# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/3/2023 9:57 AM View: PLs - App 1  
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)
8/11/2022		<0.002
2/15/2023		0.0014 (J)



# Prediction Limit

Constituent: Copper (mg/L) Analysis Run 4/3/2023 9:57 AM View: PLs - App 1  
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
8/16/2022		<0.002
2/15/2023		<0.002

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/3/2023 9:57 AM 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	<0.001	
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
8/9/2022		<0.001
2/14/2023		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/9/2022		0.0002 (J)
2/14/2023		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/9/2022		<0.001
2/14/2023		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/9/2022		<0.001
2/13/2023		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/9/2022		<0.001
2/14/2023		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/9/2022		<0.001
2/14/2023		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.001
2/15/2023		<0.001



# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/15/2022		<0.001
2/21/2023		0.00039 (J)

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.001
2/15/2023		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/3/2023 9:57 AM 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	<0.001	
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	<0.001	
3/17/2021	<0.001	
8/23/2021	<0.001	
3/8/2022		<0.001
8/15/2022		<0.001
2/21/2023		0.00037 (J)

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.001
2/21/2023		0.00025 (J)

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/3/2023 9:57 AM 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	<0.001	
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
8/16/2022		<0.001
2/20/2023		0.00025 (J)

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/11/2022		<0.001
2/20/2023		0.00027 (J)

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/11/2022		<0.001
2/20/2023		0.00025 (J)

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/11/2022		0.00019 (J)
2/21/2023		<0.001



# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.001
2/22/2023		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.001
2/21/2023		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/17/2022		<0.001
2/14/2023		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.001
2/21/2023		0.00022 (J)

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/18/2022		<0.001
2/16/2023		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/10/2022		<0.001
2/21/2023		0.00027 (J)

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/10/2022		<0.001
2/21/2023		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/10/2022		<0.001
2/20/2023		0.00029 (J)



# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/10/2022		<0.001
2/14/2023		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.001
2/22/2023		0.00025 (J)

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/15/2022		<0.001
2/20/2023		0.00027 (J)

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/10/2022		<0.001
2/20/2023		0.00026 (J)

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/11/2022		<0.001
2/20/2023		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/3/2023 9:57 AM 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	<0.001	
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
8/11/2022		<0.001
2/21/2023		0.00036 (J)

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/11/2022		<0.001
2/15/2023		<0.001

# Prediction Limit

Constituent: Lead (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.001
2/15/2023		<0.001



# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/9/2022		<0.0002
2/14/2023		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/9/2022		<0.0002
2/14/2023		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/9/2022		<0.0002
2/14/2023		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/9/2022		<0.0002
2/13/2023		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/9/2022		<0.0002
2/14/2023		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/9/2022		<0.0002
2/14/2023		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.0002
2/15/2023		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/15/2022		<0.0002
2/21/2023		<0.0002



# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.0002
2/15/2023		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/15/2022		<0.0002
2/21/2023		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
5/3/2022		<0.0002 (R)
8/16/2022		<0.0002
2/17/2023		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.0002
2/21/2023		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.0002
2/20/2023		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/11/2022		<0.0002
2/20/2023		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/11/2022		<0.0002
2/20/2023		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/11/2022		<0.0002
2/21/2023		<0.0002



# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.0002
2/22/2023		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.0002
2/21/2023		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/17/2022		<0.0002
2/14/2023		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.0002
2/21/2023		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/18/2022		<0.0002
2/16/2023		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/10/2022		<0.0002
2/21/2023		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/10/2022		<0.0002
2/21/2023		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/10/2022		<0.0002
2/20/2023		<0.0002



# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/10/2022		<0.0002
2/14/2023		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.0002
2/22/2023		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/10/2022		<0.0002
2/15/2023		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/15/2022		<0.0002
2/20/2023		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/10/2022		<0.0002
2/20/2023		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/15/2022		<0.0002
2/20/2023		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/11/2022		<0.0002
2/20/2023		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/11/2022		<0.0002
2/20/2023		<0.0002



# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/11/2022		<0.0002
2/21/2023		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/11/2022		<0.0002
2/15/2023		<0.0002

# Prediction Limit

Constituent: Mercury (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.0002
2/15/2023		<0.0002

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/3/2023 9:57 AM 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)
8/9/2022		0.0011
2/14/2023		0.00071 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/3/2023 9:57 AM 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)
8/9/2022		0.00072 (J)
2/14/2023		0.00046 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/9/2022		<0.001
2/14/2023		<0.001

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/9/2022		0.0014
2/13/2023		0.00079 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/3/2023 9:57 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/9/2022		0.004
2/14/2023		0.00099 (J)



# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/9/2022		0.00087 (J)
2/14/2023		0.00071 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/3/2023 9:57 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/16/2022		0.00086 (J)
2/15/2023		0.0012

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/15/2022		<0.001
2/21/2023		<0.001

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.001
2/15/2023		0.00099 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/15/2022		0.0006 (J)
2/21/2023		0.00051 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		0.013
2/17/2023		0.019

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.001
2/21/2023		<0.001

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.001
2/20/2023		0.00062 (J)



# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/11/2022		<0.001
2/20/2023		0.00057 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/11/2022		<0.001
2/20/2023		0.0005 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/3/2023 9:57 AM 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	
2/2/2017	<0.001	
8/7/2017	<0.001	
1/25/2018	<0.001	
6/21/2018	<0.001	
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
8/11/2022		<0.001
2/21/2023		0.0014

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.001
2/22/2023		<0.001

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		0.00082 (J)
2/21/2023		<0.001

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/17/2022		<0.001
2/14/2023		<0.001

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.001
2/21/2023		0.00062 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/3/2023 9:57 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/18/2022		0.002
2/16/2023		0.0014



# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/10/2022		0.0026
2/21/2023		0.0039

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/10/2022		0.00073 (J)
2/21/2023		0.00078 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/10/2022		<0.001
2/20/2023		<0.001

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/3/2023 9:57 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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)
8/16/2022		0.0016
2/22/2023		0.00047 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/10/2022		<0.001
2/15/2023		<0.001

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/15/2022		<0.001
2/20/2023		<0.001

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/3/2023 9:57 AM 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)
8/10/2022		0.00063 (J)
2/20/2023		0.00077 (J)

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/15/2022		0.0014
2/20/2023		0.0012



# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/11/2022		0.0046
2/20/2023		0.0038

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/11/2022		0.0075
2/20/2023		0.0057

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/11/2022		0.0084
2/21/2023		0.0079

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/11/2022		0.0038
2/15/2023		0.001

# Prediction Limit

Constituent: Nickel (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		0.077
2/15/2023		0.0088

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/9/2022		<0.005
2/14/2023		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/3/2023 9:57 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-2	GWA-2
9/17/2011	<0.005	
10/27/2011	<0.005	
12/14/2011	<0.005	
2/7/2012	<0.005	
7/23/2012	<0.005	
1/23/2013	<0.005	
7/24/2013	<0.005	
1/22/2014	<0.005	
7/1/2014	<0.005	
1/22/2015	<0.005	
7/22/2015	<0.005	
1/20/2016	<0.005	
3/23/2016	<0.005	
5/24/2016	<0.005	
7/26/2016	<0.005	
9/16/2016	<0.005	
11/10/2016	<0.005	
1/19/2017	<0.005	
3/17/2017	<0.005	
4/28/2017	<0.005	
8/2/2017	<0.005	
1/19/2018	<0.005	
6/19/2018	<0.005	
1/17/2019	<0.005	
6/24/2019	<0.005	
9/10/2019	<0.005	
3/10/2020	<0.005	
9/10/2020	<0.005	
3/15/2021	<0.005	
8/18/2021	<0.005	
3/1/2022		<0.005
8/9/2022		<0.005
2/14/2023		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/9/2022		<0.005
2/14/2023		<0.005



# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/9/2022		<0.005
2/13/2023		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/3/2023 9:57 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-3	GWA-3
8/31/2011	<0.005	
6/25/2014	<0.005	
7/21/2015	<0.005	
3/31/2016	<0.005	
5/25/2016	<0.005	
7/27/2016	<0.005	
8/1/2017	<0.005 (*)	
10/3/2017	<0.005	
6/20/2018	<0.005	
1/18/2019	<0.005	
6/25/2019	<0.005	
9/11/2019	<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
8/9/2022		<0.005
2/14/2023		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/9/2022		<0.005
2/14/2023		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/15/2022		<0.005
2/21/2023		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.005
2/15/2023		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/15/2022		<0.005
2/21/2023		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		0.0022 (J)
2/17/2023		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.005
2/21/2023		<0.005



# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.005
2/20/2023		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/11/2022		<0.005
2/20/2023		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.005
2/21/2023		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/17/2022		<0.005
2/14/2023		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/10/2022		<0.005
2/21/2023		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/10/2022		<0.005
2/21/2023		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/10/2022		<0.005
2/20/2023		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/10/2022		<0.005
2/14/2023		<0.005



# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.005
2/22/2023		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/10/2022		<0.005
2/15/2023		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/15/2022		<0.005
2/20/2023		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/15/2022		<0.005
2/20/2023		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/11/2022		<0.005
2/20/2023		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/11/2022		<0.005
2/20/2023		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/11/2022		<0.005
2/15/2023		<0.005

# Prediction Limit

Constituent: Selenium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.005
2/15/2023		<0.005



# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 4/3/2023 9:57 AM 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	<0.001	
6/24/2019	<0.001	
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
8/9/2022		<0.001
2/14/2023		<0.001

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 4/3/2023 9:57 AM 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	
1/19/2017	<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	<0.001	
9/10/2020	<0.001	
3/15/2021	<0.001	
8/18/2021	<0.001	
3/1/2022		<0.001
8/9/2022		<0.001
2/14/2023		<0.001

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 4/3/2023 9:57 AM 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	
1/17/2017	<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	<0.001	
3/15/2021	<0.001	
8/16/2021	<0.001	
3/1/2022		<0.001
8/9/2022		<0.001
2/14/2023		<0.001

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/9/2022		0.001
2/13/2023		0.0011

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 4/3/2023 9:57 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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	<0.001	
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
8/9/2022		<0.001
2/14/2023		<0.001

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 4/3/2023 9:57 AM 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	
1/17/2017	<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
8/9/2022		<0.001
2/14/2023		<0.001

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/15/2022		<0.001
2/21/2023		<0.001

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.001
2/15/2023		<0.001



# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.001
2/17/2023		<0.001

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.001
2/20/2023		<0.001

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/11/2022		<0.001
2/20/2023		<0.001

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.001
2/21/2023		<0.001

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/17/2022		<0.001
2/14/2023		<0.001

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.001
2/21/2023		<0.001

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 4/3/2023 9:57 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/18/2022		<0.001
2/16/2023		<0.001

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/10/2022		<0.001
2/21/2023		<0.001



# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/10/2022		<0.001
2/21/2023		<0.001

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/10/2022		<0.001
2/20/2023		<0.001

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.001
2/22/2023		<0.001

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/10/2022		<0.001
2/15/2023		<0.001

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/15/2022		<0.001
2/20/2023		<0.001

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/11/2022		<0.001
2/20/2023		<0.001

# Prediction Limit

Constituent: Silver (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/11/2022		<0.001
2/20/2023		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/9/2022		<0.001
2/14/2023		<0.001



# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/9/2022		<0.001
2/14/2023		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/3/2023 9:57 AM 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	
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	<0.001	
3/15/2021	<0.001	
8/16/2021	<0.001	
3/1/2022		<0.001
8/9/2022		<0.001
2/14/2023		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/3/2023 9:57 AM 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	
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	<0.001	
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
8/9/2022		<0.001
2/13/2023		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/3/2023 9:57 AM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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	<0.001	
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
8/9/2022		<0.001
2/14/2023		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/9/2022		<0.001
2/14/2023		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/15/2022		<0.001
2/21/2023		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.001
2/15/2023		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/15/2022		<0.001
2/21/2023		<0.001



# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		0.00039 (J)
2/17/2023		0.00044 (J)

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.001
2/21/2023		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/11/2022		<0.001
2/21/2023		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.001
2/22/2023		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.001
2/21/2023		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/17/2022		<0.001
2/14/2023		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.001
2/21/2023		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/18/2022		<0.001
2/16/2023		<0.001



# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/10/2022		<0.001
2/21/2023		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/10/2022		<0.001
2/20/2023		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/10/2022		<0.001
2/14/2023		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		<0.001
2/22/2023		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/15/2022		<0.001
2/20/2023		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/10/2022		<0.001
2/20/2023		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/15/2022		<0.001
2/20/2023		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/11/2022		<0.001
2/20/2023		<0.001



# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/11/2022		<0.001
2/21/2023		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/11/2022		<0.001
2/15/2023		<0.001

# Prediction Limit

Constituent: Thallium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/16/2022		0.00026 (J)
2/15/2023		<0.001

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/9/2022		<0.001
2/14/2023		0.00074 (J)

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:57 AM 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	0.0012 (J)	
1/22/2015	0.0013 (J)	
7/22/2015	<0.002	
1/20/2016	<0.002	
1/19/2017	<0.002	
8/2/2017	<0.002	
1/19/2018	<0.002	
6/19/2018	0.0024 (J)	
1/17/2019	0.0016	
6/24/2019	0.0018	
9/10/2019	0.0011	
3/10/2020	<0.002	
9/10/2020	<0.002	
3/15/2021	<0.002	
8/18/2021	0.0011	
3/1/2022		<0.002
8/9/2022		<0.002
2/14/2023		<0.002

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:57 AM 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	0.00072 (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	0.0012	
6/25/2019	0.0025	
9/10/2019	0.0012	
3/10/2020	<0.002	
9/9/2020	<0.002	
3/15/2021	<0.002	
8/16/2021	0.0011	
3/1/2022		<0.002
8/9/2022		<0.002
2/14/2023		<0.002

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:57 AM 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)	
1/17/2017	<0.002	
8/1/2017	<0.002 (*)	
1/19/2018	<0.002	
6/19/2018	0.0014 (J)	
1/18/2019	0.0015	
6/25/2019	0.0023	
9/10/2019	<0.002	
3/10/2020	<0.002	
9/9/2020	<0.002	
3/15/2021	0.0017	
8/18/2021	0.0012	
3/2/2022		<0.002
8/9/2022		<0.002
2/13/2023		<0.002

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:57 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	GWA-3	GWA-3
8/31/2011	<0.002	
6/25/2014	<0.002	
7/21/2015	<0.002	
8/1/2017	<0.002	
6/20/2018	<0.002	
1/18/2019	0.0019	
6/25/2019	0.0028	
9/11/2019	0.0014	
3/10/2020	<0.002	
9/9/2020	0.0018	
3/15/2021		<0.002
8/18/2021		0.0015
3/1/2022		0.0012
8/9/2022		<0.002
2/14/2023		<0.002



# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/9/2022		<0.001
2/14/2023		0.00074 (J)

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:57 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	GWC-10	GWC-10
1/25/2016	<0.002	
2/1/2017	0.0032	
8/8/2017	<0.002	
1/25/2018	0.003	
6/21/2018	0.0018 (J)	
1/31/2019	0.0015	
6/26/2019	0.0014	
9/17/2019	<0.002	
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
8/16/2022		0.0012
2/15/2023		<0.002

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:57 AM 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
8/15/2022		0.0023
2/21/2023		0.0023

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:58 AM 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	0.0013	
9/11/2019	0.0011	
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
8/16/2022		<0.002
2/15/2023		<0.002

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:58 AM 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	
1/31/2017	0.0015 (J)	
8/4/2017	<0.002	
1/25/2018	<0.002	
6/20/2018	<0.002	
1/22/2019	0.0015	
6/25/2019	0.0021	
9/12/2019	0.0015	
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
8/15/2022		<0.002
2/21/2023		<0.002

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:58 AM 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	
2/1/2017	0.002 (J)	
8/7/2017	<0.002	
1/25/2018	<0.002	
6/20/2018	0.0016 (J)	
1/22/2019	<0.002	
6/25/2019	0.0014	
9/12/2019	0.0012	
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
8/16/2022		<0.002
2/17/2023		<0.002

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:58 AM 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	
2/1/2017	0.0016 (J)	
8/4/2017	<0.002	
1/25/2018	0.003	
6/20/2018	<0.002	
1/22/2019	0.0012	
6/25/2019	0.0019	
9/17/2019	0.0013	
3/16/2020	<0.002	
9/10/2020	<0.002	
3/18/2021	<0.002	
8/24/2021	0.0012	
3/7/2022		<0.002
8/16/2022		<0.002
2/21/2023		<0.002

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/16/2022		0.0043
2/20/2023		0.004



# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/11/2022		0.002
2/20/2023		0.0021

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/11/2022		0.0011
2/20/2023		0.0011 (J)

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:58 AM 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	0.0016 (J)	
1/27/2016	<0.002	
2/2/2017	0.0015 (J)	
8/7/2017	0.0016 (J)	
1/25/2018	0.0021 (J)	
6/21/2018	<0.002	
1/28/2019	<0.002	
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
8/11/2022		<0.002
2/21/2023		<0.002

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/16/2022		0.0026
2/22/2023		0.0014 (J)

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:58 AM 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	0.0028	
8/7/2017	0.0014 (J)	
1/26/2018	<0.002	
6/20/2018	<0.002	
1/24/2019	<0.002	
6/25/2019	0.0021	
9/11/2019	<0.002	
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
8/16/2022		<0.002
2/21/2023		<0.002

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/17/2022		0.0067
2/14/2023		0.005

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:58 AM 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	0.0011 (J)	
1/21/2016	<0.002	
2/3/2017	0.0016 (J)	
8/8/2017	<0.002	
1/25/2018	0.0014 (J)	
6/20/2018	<0.002	
1/25/2019	0.0012	
6/26/2019	0.0019	
9/12/2019	0.001	
3/18/2020	<0.002	
9/10/2020	<0.002	
3/18/2021	0.001	
8/23/2021	<0.002	
3/9/2022		0.00093 (J)
8/16/2022		<0.002
2/21/2023		<0.002

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:58 AM 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	
2/3/2017	0.0015 (J)	
8/8/2017	<0.002	
1/25/2018	<0.002	
6/27/2018	<0.002	
1/31/2019	0.0015	
6/26/2019	0.0014	
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
8/18/2022		0.00094 (J)
2/16/2023		<0.002



# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:58 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-25	GWC-25
9/17/2011	0.0074	
10/31/2011	<0.002	
12/14/2011	<0.002	
2/7/2012	<0.002	
7/17/2012	<0.002	
7/24/2013	<0.002	
1/23/2014	0.00082 (J)	
7/8/2014	<0.002	
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	<0.002	
1/25/2018	<0.002	
6/27/2018	<0.002	
1/24/2019	0.0018	
6/25/2019	0.0019	
9/11/2019	0.0013	
3/12/2020	0.0011	
9/14/2020	<0.002	
3/17/2021	<0.002	
8/19/2021	<0.002	
3/8/2022		<0.002
8/10/2022		<0.002
2/21/2023		<0.002

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:58 AM 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	
1/19/2017	<0.002	
8/3/2017	<0.002	
1/22/2018	<0.002	
6/27/2018	<0.002	
1/24/2019	0.0013	
6/25/2019	0.0024	
9/12/2019	0.0014	
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
8/10/2022		<0.002
2/21/2023		<0.002

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:58 AM 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	
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	0.0011	
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		0.00085 (J)
8/10/2022		<0.002
2/20/2023		<0.002

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:58 AM 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 (J)	
1/24/2017	0.0059	
8/4/2017	0.0018 (J)	
1/24/2018	<0.001	
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
8/10/2022		<0.001
2/14/2023		0.00085 (J)

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:58 AM 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	0.00068 (J)	
7/1/2014	<0.002	
1/21/2015	<0.002	
1/25/2016	<0.002	
1/25/2017	0.0043	
8/4/2017	<0.002	
1/23/2018	0.0023 (J)	
6/27/2018	<0.002	
1/31/2019	0.0014	
6/26/2019	0.0015	
9/11/2019	0.0025	
3/17/2020	<0.002	
9/11/2020	<0.002	
3/16/2021	<0.002	
8/25/2021	0.001	
3/10/2022		0.0012
8/16/2022		0.0014
2/22/2023		<0.002

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:58 AM 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	
1/26/2017	0.0016 (J)	
8/3/2017	<0.002	
1/23/2018	0.003	
6/26/2018	<0.002	
1/30/2019	0.0012	
6/27/2019	0.0021	
9/12/2019	0.0012	
3/18/2020	<0.002	
9/15/2020	<0.002	
3/17/2021	0.0011	
8/24/2021	0.0011	
3/9/2022		<0.002
8/10/2022		<0.002
2/15/2023		<0.002

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:58 AM 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	
12/12/2011	<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	
1/25/2017	0.0052	
8/4/2017	<0.002	
1/23/2018	0.003	
6/26/2018	<0.002	
1/30/2019	0.0014	
6/26/2019	0.0017	
9/12/2019	0.0014	
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
8/15/2022		<0.002
2/20/2023		<0.002

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:58 AM 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	0.0055	
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	<0.002	
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
8/10/2022		<0.002
2/20/2023		<0.002



# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:58 AM 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	
1/26/2017	0.0026	
8/3/2017	<0.002	
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	<0.002	
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
8/15/2022		<0.002
2/20/2023		<0.002

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/11/2022		0.0019
2/20/2023		0.0029

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:58 AM 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 (J)	
6/25/2014	<0.002	
1/20/2015	<0.002	
7/24/2015	<0.002	
1/20/2016	<0.002	
1/26/2017	0.0064	
8/3/2017	<0.002	
1/23/2018	0.0038	
6/25/2018	<0.002	
1/30/2019	0.0015	
6/26/2019	0.0016	
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
8/11/2022		<0.002
2/20/2023		<0.002

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/11/2022		0.0023
2/21/2023		0.0029

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/11/2022		<0.001
2/15/2023		0.00096 (J)

# Prediction Limit

Constituent: Vanadium (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/16/2022		0.0015
2/15/2023		0.0009 (J)

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM 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)
8/9/2022		0.0066
2/14/2023		0.0048 (J)

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/9/2022		0.0069
2/14/2023		<0.005



# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/9/2022		0.0089
2/14/2023		0.014

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/9/2022		0.032
2/13/2023		0.025

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM View: PLs - App I  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/9/2022		0.026
2/14/2023		0.017

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/9/2022		<0.005
2/14/2023		0.0029 (J)

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/16/2022		<0.005
2/15/2023		0.0047 (J)

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/15/2022		<0.005
2/21/2023		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/16/2022		<0.005
2/15/2023		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/15/2022		0.0033 (J)
2/21/2023		<0.005



# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/16/2022		0.014
2/17/2023		0.015

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/16/2022		<0.005
2/21/2023		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/16/2022		<0.005
2/20/2023		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/11/2022		0.003 (J)
2/20/2023		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/11/2022		<0.005
2/20/2023		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM 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	<0.005	
7/11/2012	<0.005	
1/8/2013	<0.005	
7/16/2013	<0.005	
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	<0.005	
2/2/2017	<0.005	
8/7/2017	<0.005	
1/25/2018	<0.005	
6/21/2018	<0.005	
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
8/11/2022		<0.005
2/21/2023		0.0072

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/16/2022		0.004 (J)
2/22/2023		0.0035 (J)

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM 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)
8/16/2022		0.0093
2/21/2023		0.0038 (J)



# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/17/2022		<0.005
2/14/2023		0.012

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/16/2022		0.016
2/21/2023		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM 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)
8/18/2022		0.006
2/16/2023		0.0059

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/10/2022		0.02
2/21/2023		0.0069

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/10/2022		0.0053
2/21/2023		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/10/2022		0.0071
2/20/2023		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/10/2022		<0.005
2/14/2023		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/16/2022		0.016
2/22/2023		0.011



# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM View: PLs - App I

Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/10/2022		0.017
2/15/2023		0.024

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM 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
5/4/2022		0.022 (R)
8/15/2022		0.018
2/20/2023		0.0038 (J)

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/10/2022		0.0049 (J)
2/20/2023		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/15/2022		0.014
2/20/2023		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/11/2022		0.0053
2/20/2023		0.0033 (J)

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/11/2022		0.0051
2/20/2023		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM 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
8/11/2022		0.0038 (J)
2/21/2023		<0.005

# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM 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)
8/11/2022		0.012
2/15/2023		0.0029 (J)



# Prediction Limit

Constituent: Zinc (mg/L) Analysis Run 4/3/2023 9:58 AM 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)
8/16/2022		0.096
10/12/2022		0.043 (R)
2/15/2023		0.015

FIGURE F.

# Intrawell Prediction Limits (Appendix III) - All Results (No Significant)

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 4/3/2023, 9:15 AM

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	2/14/2023	5.56	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	2/14/2023	5.64	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	2/14/2023	6.12	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	2/13/2023	5.64	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	2/14/2023	5.53	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	2/14/2023	6.2	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	2/15/2023	5.76	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	2/21/2023	5.96	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	2/15/2023	6.98	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	2/21/2023	6.62	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	2/17/2023	5.73	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	2/21/2023	7.22	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	2/20/2023	6.08	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	2/20/2023	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	2/20/2023	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.)	GWC-19	6.317	5.524	2/21/2023	5.73	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	2/22/2023	6.91	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	2/21/2023	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	2/14/2023	6.56	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	2/21/2023	5.88	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	2/16/2023	5.08	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	2/21/2023	5.93	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	2/21/2023	5.58	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	2/20/2023	5.33	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	2/14/2023	5.91	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	2/22/2023	6.03	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	2/15/2023	5.98	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	2/20/2023	6.21	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	2/20/2023	5.96	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	2/20/2023	5.51	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	2/20/2023	6.28	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	2/20/2023	5.94	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	2/21/2023	6.5	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	2/15/2023	6.03	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	2/15/2023	5.56	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	2/14/2023	0.5ND	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	2/14/2023	2.5	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	2.937	n/a	2/14/2023	1.2	No	19	1.074	0.1353	5.263	None	x^(1/3)	0.0002595	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWA-29	26	n/a	2/13/2023	4.3	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	208.4	n/a	2/14/2023	70	No	11	60.47	46.4	9.091	None	No	0.0002595	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWA-4	15	n/a	2/14/2023	9.3	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-10	53.32	n/a	2/15/2023	8.5	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	2/21/2023	0.43J	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	2/15/2023	32	No	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	2/21/2023	1.8	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	2/17/2023	5.7	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	2/21/2023	1.1	No	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	2/20/2023	0.5ND	No	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	1.2	n/a	2/20/2023	0.5J	No	19	n/a	n/a	47.37	n/a	n/a	0.004832	NP Intra (normality) 1 of 2
Sulfate as SO4 (mg/L)	GWC-18	1	n/a	2/20/2023	0.41J	No	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-19	2.5	n/a	2/21/2023	0.52J	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	1.447	n/a	2/22/2023	0.65J	No	19	0.8881	0.211	10.53	None	No	0.0002595	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-21	0.5	n/a	2/21/2023	0.5ND	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)	GWC-22	1.2	n/a	2/14/2023	0.54J	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	0.64	n/a	2/21/2023	0.5ND	No	19	n/a	n/a	73.68	n/a	n/a	0.004832	NP Intra (NDs) 1 of 2

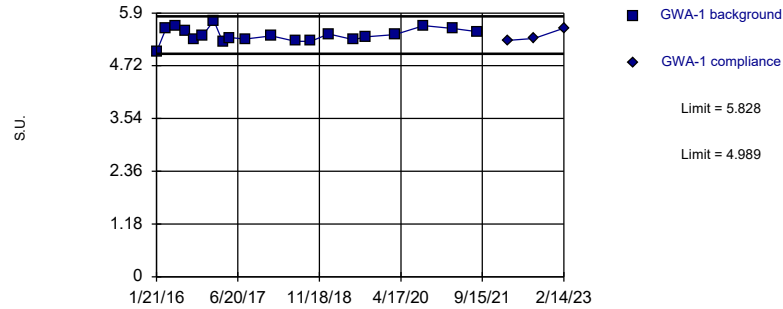
# Intrawell Prediction Limits - All Results (No Significant)

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 4/3/2023, 9:15 AM

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-24	2.3	n/a	2/16/2023	0.4J	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	2/21/2023	7.4	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	2/21/2023	0.5ND	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	4.093	n/a	2/20/2023	0.47J	No	19	1.728	0.893	5.263	None	No	0.0002595	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-30	3.3	n/a	2/14/2023	1	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	2/22/2023	9.8	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	2/15/2023	8.3	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-33	33.64	n/a	2/20/2023	7.5	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	2/20/2023	1	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	2/20/2023	2.2	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	38.57	n/a	2/20/2023	25	No	12	28.17	3.407	0	None	No	0.0002595	Param Intra 1 of 2
Sulfate as SO4 (mg/L)	GWC-6	30	n/a	2/20/2023	9.8	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	2/21/2023	40	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	2/15/2023	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	2/15/2023	9.4	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	34.54	n/a	2/14/2023	17	No	19	11.37	8.748	31.58	Kaplan-Meier	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWA-2	86.19	n/a	2/14/2023	43	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	2/14/2023	90	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	2/13/2023	88	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	2/14/2023	160	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	2/14/2023	150	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	2/15/2023	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	2/21/2023	40	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	2/15/2023	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	2/21/2023	58	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	2/17/2023	260	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	2/21/2023	79	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	2/20/2023	90	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	2/20/2023	100	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	2/20/2023	88	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	2/21/2023	79	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	2/22/2023	98	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	2/21/2023	50	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	2/14/2023	110	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	2/21/2023	44	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	2/16/2023	19	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	2/21/2023	74	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	2/21/2023	42	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	79.44	n/a	2/20/2023	34	No	19	30.49	18.48	15.79	Kaplan-Meier	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-30	83.18	n/a	2/14/2023	53	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	2/22/2023	90	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	2/15/2023	79	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	2/20/2023	87	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	2/20/2023	48	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	2/20/2023	53	No	19	35.24	14.74	5.263	None	No	0.0002595	Param Intra 1 of 2
Total Dissolved Solids [TDS] (mg/L)	GWC-5	281.4	n/a	2/20/2023	200	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	2/20/2023	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	2/21/2023	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	2/15/2023	130	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	2/15/2023	64	No	19	165.9	65.23	0	None	No	0.0002595	Param Intra 1 of 2

Within Limits

Prediction Limit  
Intrawell Parametric

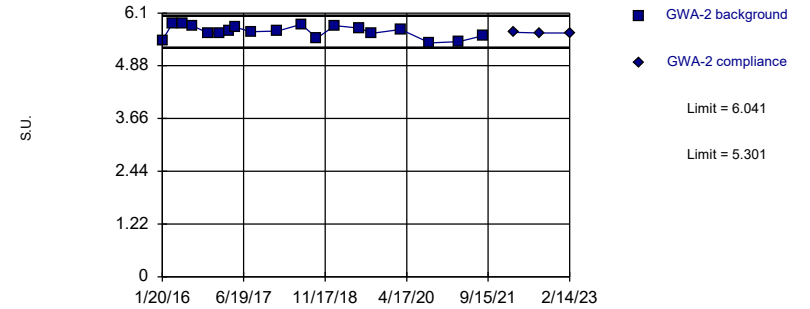


Background Data Summary: Mean=5.409, Std. Dev.=0.1608, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.975, critical = 0.868. Kappa = 2.611 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 4/3/2023 9:05 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

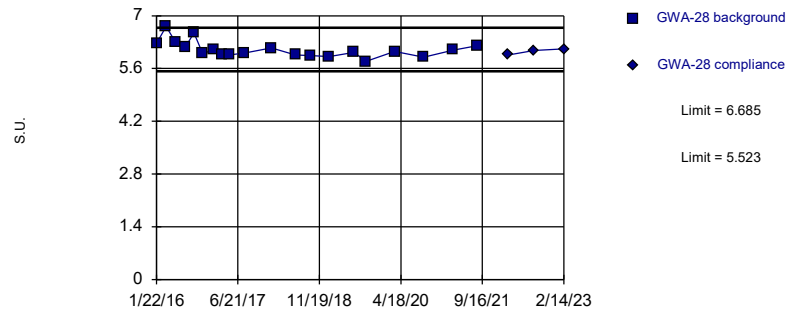


Background Data Summary: Mean=5.671, Std. Dev.=0.1397, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9436, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 4/3/2023 9:05 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

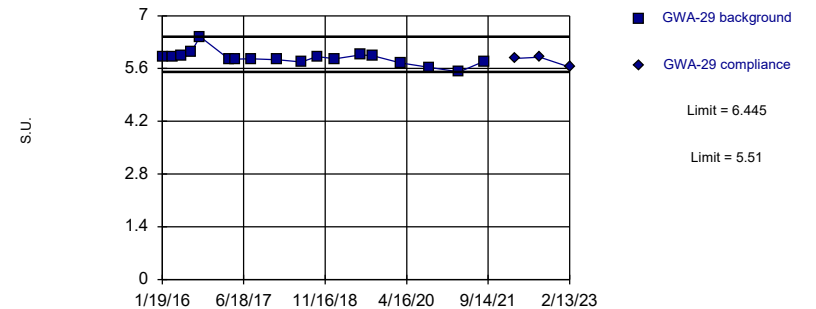


Background Data Summary: Mean=6.104, Std. Dev.=0.2226, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.879, critical = 0.868. Kappa = 2.611 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 4/3/2023 9:05 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit  
Intrawell Non-parametric

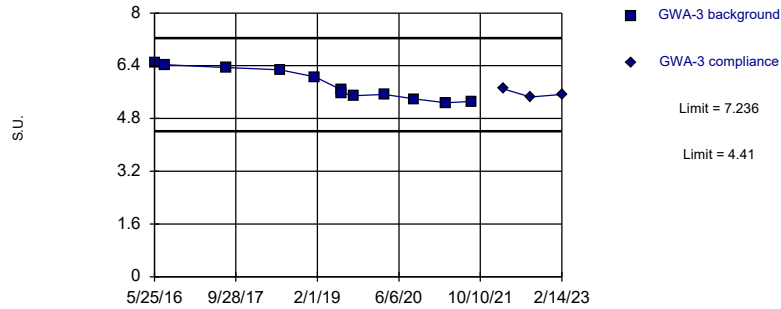


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limits are highest and lowest of 18 background values. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01075 (1 of 2).

Constituent: pH, Field Analysis Run 4/3/2023 9:05 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

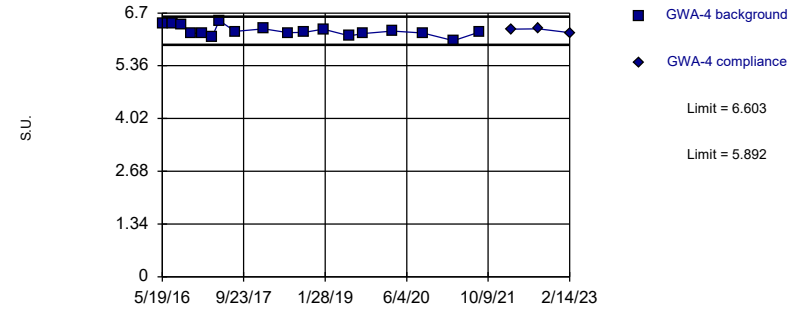


Background Data Summary: Mean=5.823, Std. Dev.=0.4629, n=12. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8667, critical = 0.859. Kappa = 3.053 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 4/3/2023 9:05 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

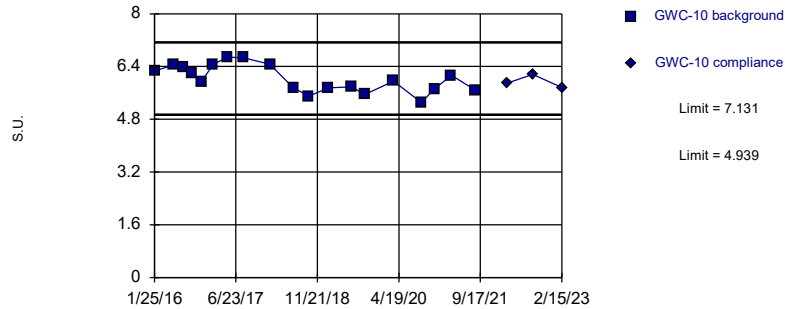


Background Data Summary: Mean=6.248, Std. Dev.=0.1322, n=18. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9374, critical = 0.897. Kappa = 2.687 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 4/3/2023 9:05 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

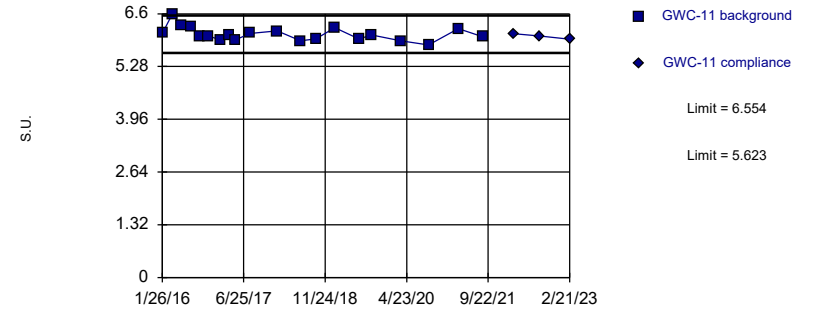


Background Data Summary: Mean=6.035, Std. Dev.=0.4138, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9541, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 4/3/2023 9:05 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

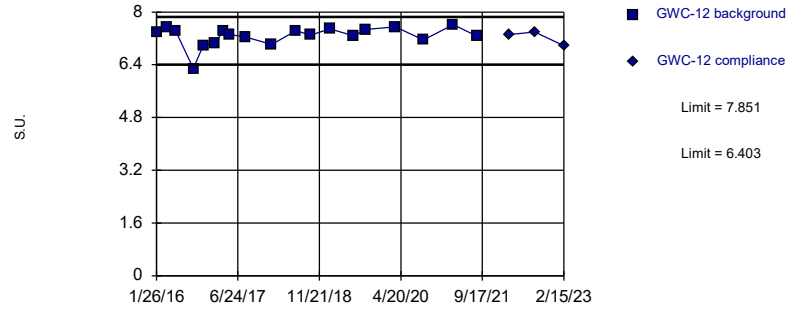


Background Data Summary: Mean=6.088, Std. Dev.=0.1783, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9195, critical = 0.868. Kappa = 2.611 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 4/3/2023 9:05 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

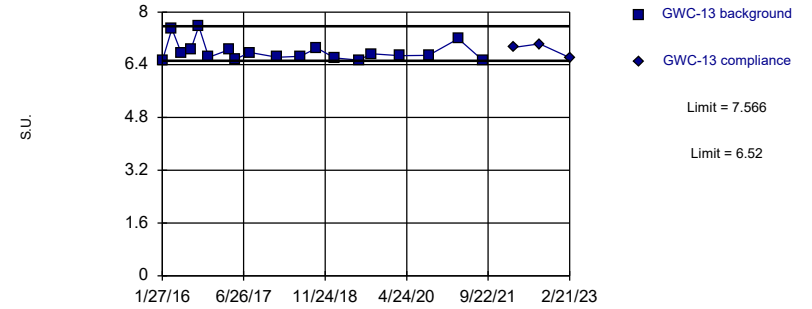


Background Data Summary (based on  $x^6$  transformation): Mean=151512, Std. Dev.=31184, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9141, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 4/3/2023 9:05 AM View: PLs Intra App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit  
Intrawell Non-parametric

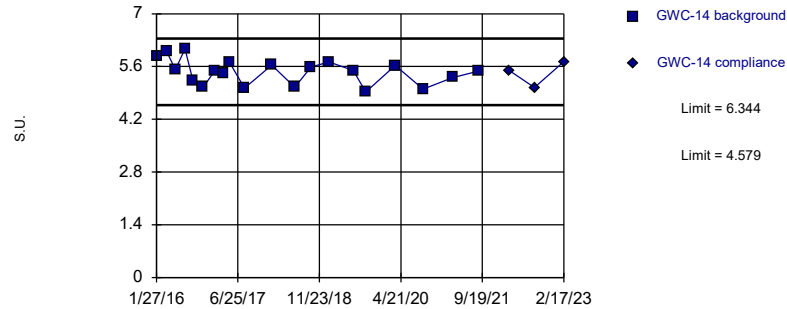


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limits are highest and lowest of 19 background values. Well-constituent pair annual alpha = 0.01928. Individual comparison alpha = 0.009664 (1 of 2).

Constituent: pH, Field Analysis Run 4/3/2023 9:05 AM View: PLs Intra App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

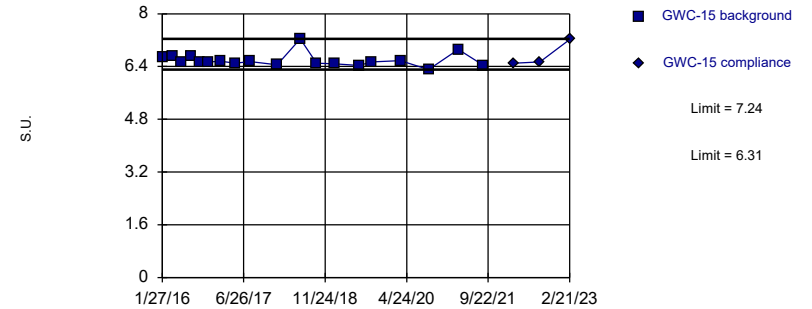


Background Data Summary: Mean=5.461, Std. Dev.=0.3378, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9552, critical = 0.868. Kappa = 2.611 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 4/3/2023 9:05 AM View: PLs Intra App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit  
Intrawell Non-parametric

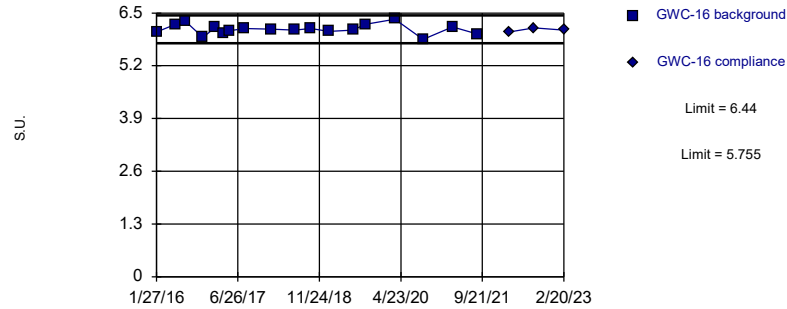


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limits are highest and lowest of 19 background values. Well-constituent pair annual alpha = 0.01928. Individual comparison alpha = 0.009664 (1 of 2).

Constituent: pH, Field Analysis Run 4/3/2023 9:05 AM View: PLs Intra App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

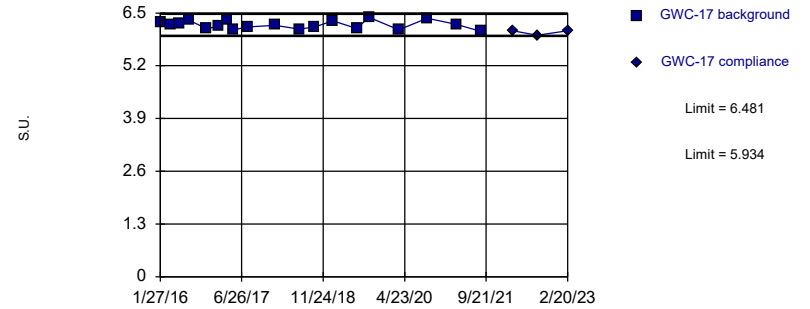


Background Data Summary: Mean=6.097, Std. Dev.=0.1276, n=18. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9834, critical = 0.897. Kappa = 2.687 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 4/3/2023 9:05 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

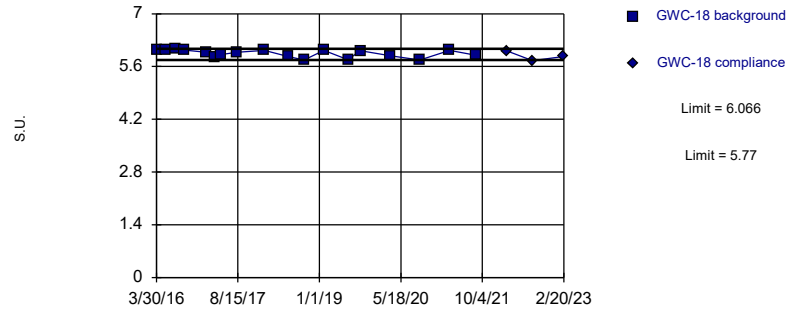


Background Data Summary: Mean=6.207, Std. Dev.=0.1034, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9508, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 4/3/2023 9:05 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit  
Intrawell Non-parametric

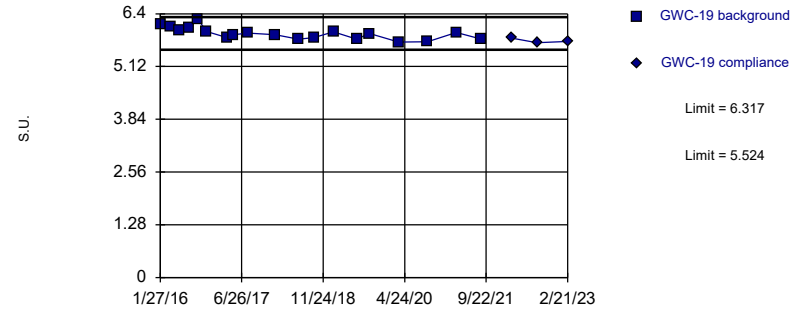


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limits are highest and lowest of 18 background values. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01075 (1 of 2).

Constituent: pH, Field Analysis Run 4/3/2023 9:05 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit  
Intrawell Parametric



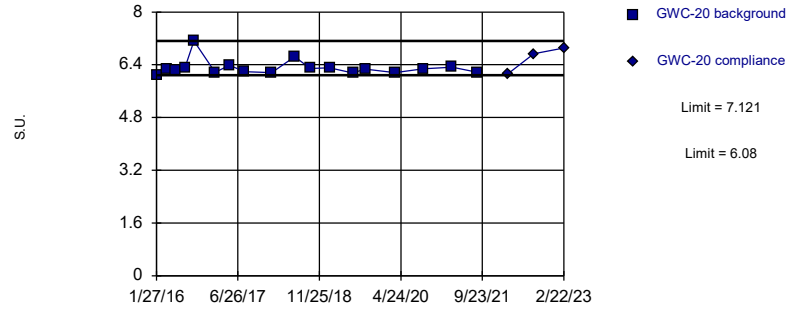
Background Data Summary: Mean=5.921, Std. Dev.=0.1497, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9531, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 4/3/2023 9:05 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill



Within Limits

Prediction Limit  
Intrawell Non-parametric

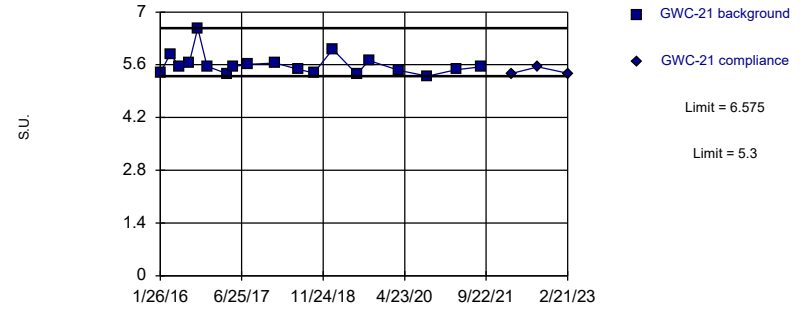


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limits are highest and lowest of 18 background values. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01075 (1 of 2).

Constituent: pH, Field Analysis Run 4/3/2023 9:05 AM View: PLs Intra App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit  
Intrawell Non-parametric

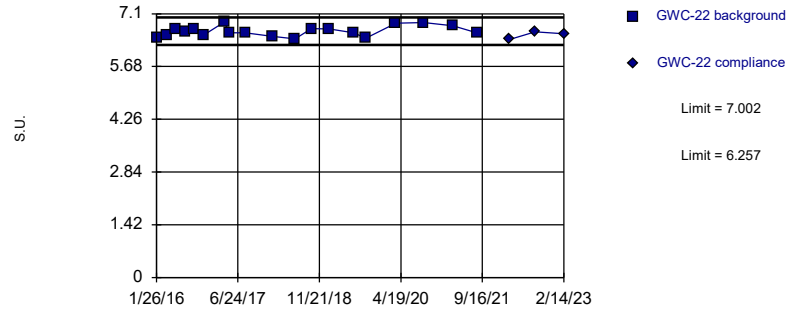


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limits are highest and lowest of 19 background values. Well-constituent pair annual alpha = 0.01928. Individual comparison alpha = 0.009664 (1 of 2).

Constituent: pH, Field Analysis Run 4/3/2023 9:05 AM View: PLs Intra App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

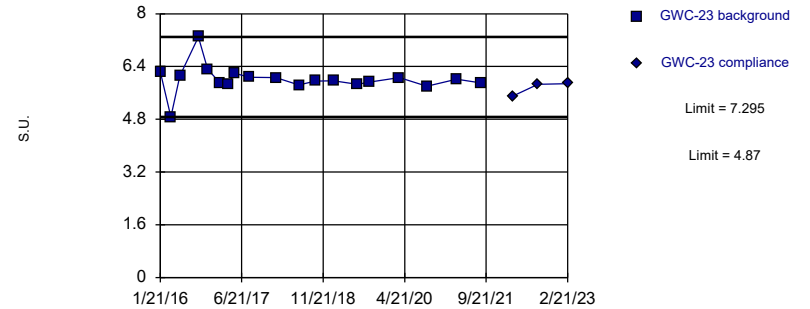


Background Data Summary: Mean=6.63, Std. Dev.=0.1407, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9436, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 4/3/2023 9:05 AM View: PLs Intra App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit  
Intrawell Non-parametric

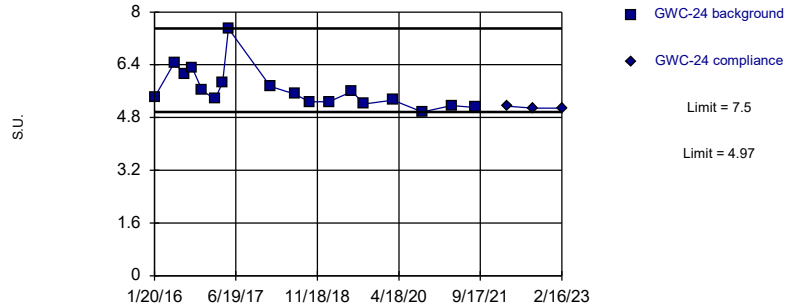


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limits are highest and lowest of 19 background values. Well-constituent pair annual alpha = 0.01928. Individual comparison alpha = 0.009664 (1 of 2).

Constituent: pH, Field Analysis Run 4/3/2023 9:05 AM View: PLs Intra App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit  
Intrawell Non-parametric

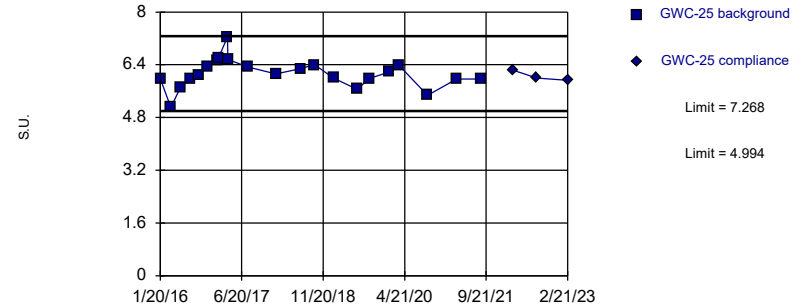


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limits are highest and lowest of 18 background values. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01075 (1 of 2).

Constituent: pH, Field Analysis Run 4/3/2023 9:05 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

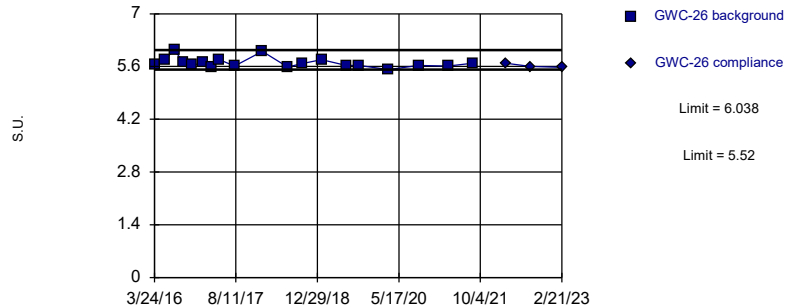


Background Data Summary: Mean=6.131, Std. Dev.=0.443, n=22. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9598, critical = 0.878. Kappa = 2.566 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 4/3/2023 9:05 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit  
Intrawell Non-parametric

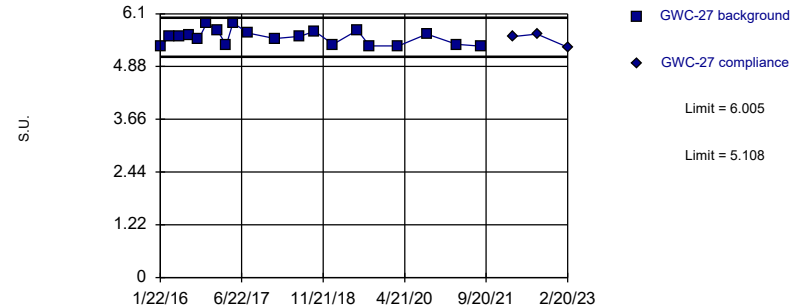


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limits are highest and lowest of 19 background values. Well-constituent pair annual alpha = 0.01928. Individual comparison alpha = 0.009664 (1 of 2).

Constituent: pH, Field Analysis Run 4/3/2023 9:05 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

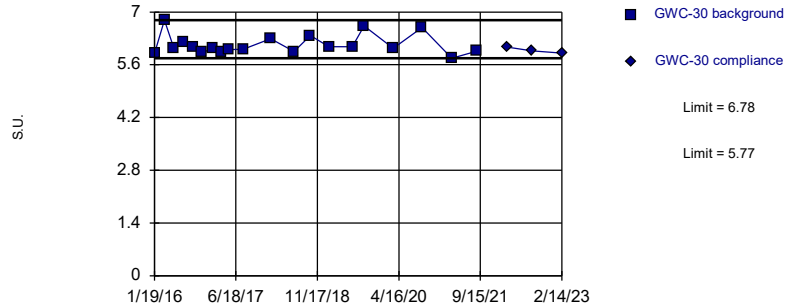


Background Data Summary: Mean=5.557, Std. Dev.=0.1719, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9122, critical = 0.868. Kappa = 2.611 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 4/3/2023 9:05 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit  
Intrawell Non-parametric

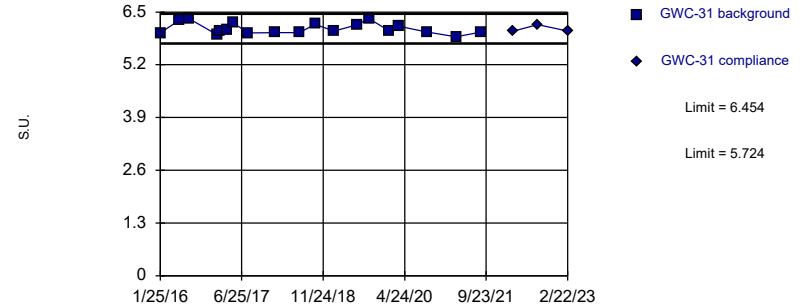


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 20 background values. Well-constituent pair annual alpha = 0.01713. Individual comparison alpha = 0.008582 (1 of 2).

Constituent: pH, Field Analysis Run 4/3/2023 9:05 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

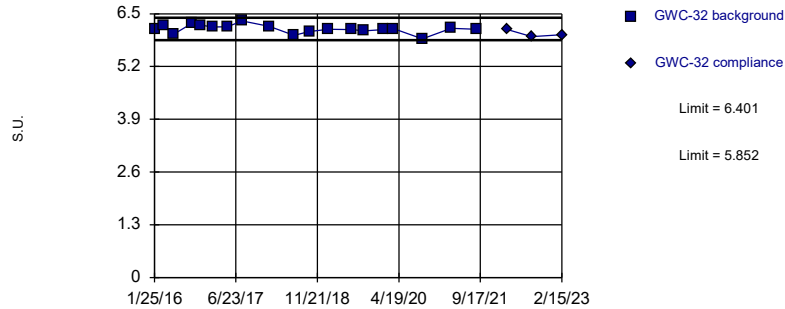


Background Data Summary: Mean=6.089, Std. Dev.=0.1377, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9033, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 4/3/2023 9:05 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

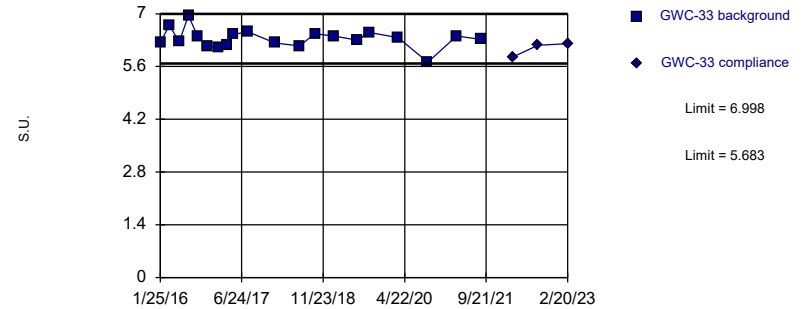


Background Data Summary: Mean=6.126, Std. Dev.=0.1035, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9642, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 4/3/2023 9:05 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

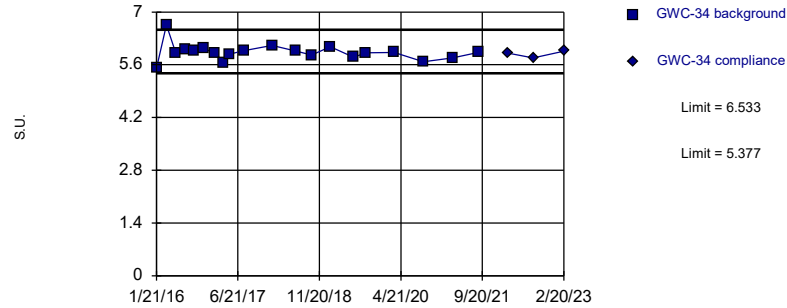


Background Data Summary: Mean=6.34, Std. Dev.=0.2517, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.9467, critical = 0.868. Kappa = 2.611 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 4/3/2023 9:05 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

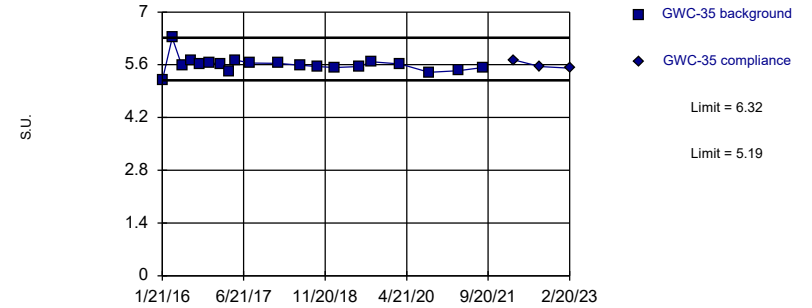


Background Data Summary (based on natural log transformation): Mean=1.779, Std. Dev.=0.0373, n=20. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.8708, critical = 0.868. Kappa = 2.611 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 4/3/2023 9:05 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit  
Intrawell Non-parametric

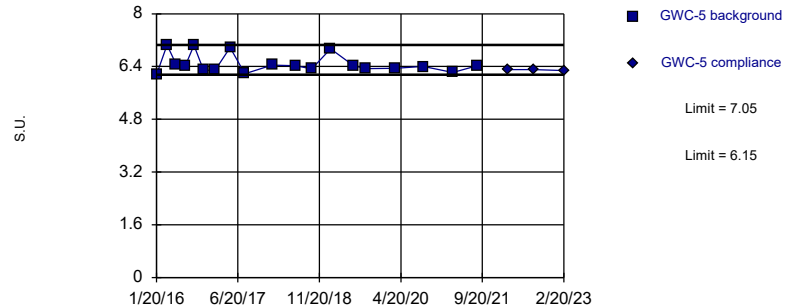


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.01 alpha level. Limits are highest and lowest of 20 background values. Well-constituent pair annual alpha = 0.01713. Individual comparison alpha = 0.008582 (1 of 2).

Constituent: pH, Field Analysis Run 4/3/2023 9:05 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit  
Intrawell Non-parametric

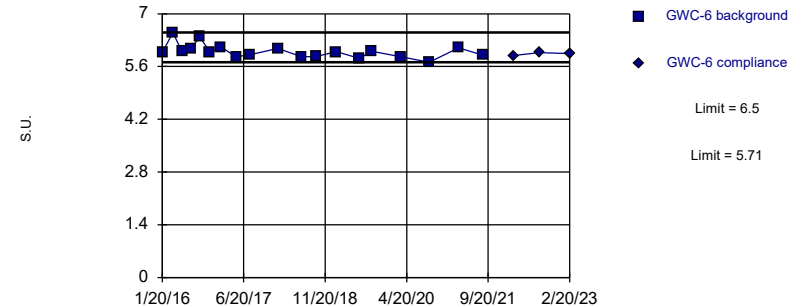


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limits are highest and lowest of 19 background values. Well-constituent pair annual alpha = 0.01928. Individual comparison alpha = 0.009664 (1 of 2).

Constituent: pH, Field Analysis Run 4/3/2023 9:05 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit  
Intrawell Non-parametric

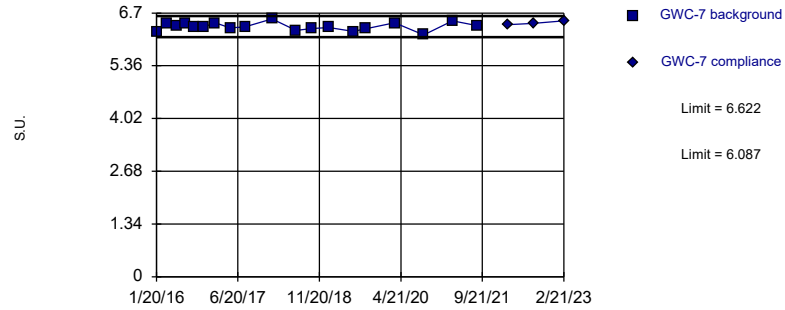


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limits are highest and lowest of 19 background values. Well-constituent pair annual alpha = 0.01928. Individual comparison alpha = 0.009664 (1 of 2).

Constituent: pH, Field Analysis Run 4/3/2023 9:05 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

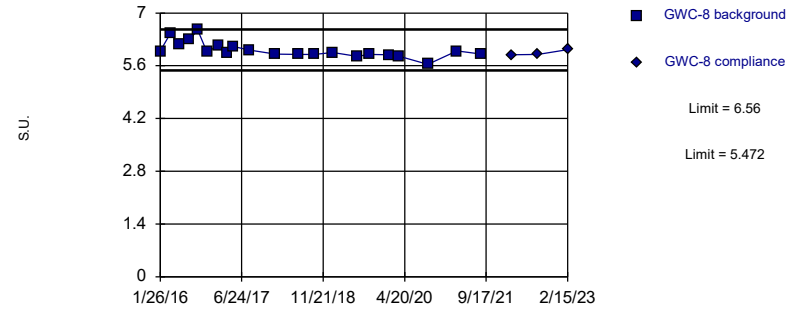


Background Data Summary: Mean=6.355, Std. Dev.=0.1008, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9881, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 4/3/2023 9:05 AM View: PLs Intra App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

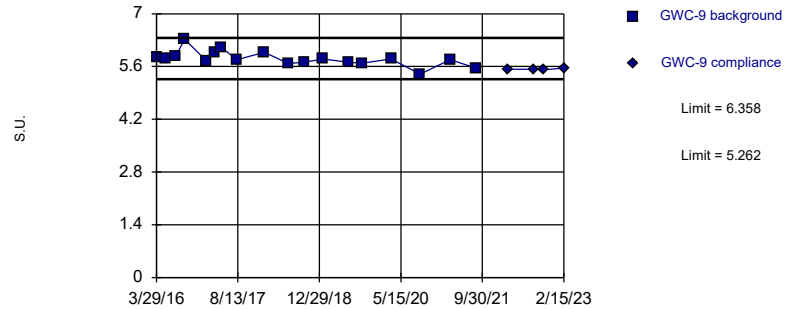


Background Data Summary: Mean=6.016, Std. Dev.=0.2101, n=21. Normality test: Shapiro Wilk @alpha = 0.01, calculated = 0.876, critical = 0.873. Kappa = 2.589 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 4/3/2023 9:05 AM View: PLs Intra App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limits

Prediction Limit  
Intrawell Parametric

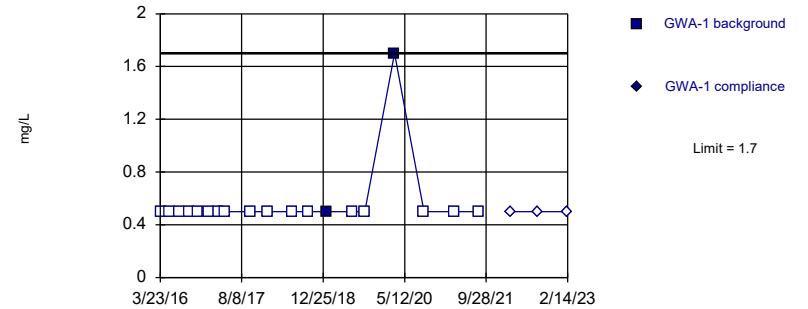


Background Data Summary: Mean=5.81, Std. Dev.=0.2041, n=18. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9441, critical = 0.897. Kappa = 2.687 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: pH, Field Analysis Run 4/3/2023 9:06 AM View: PLs Intra App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

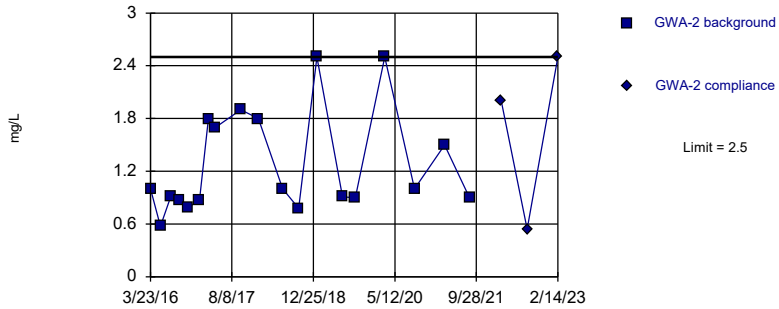


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 4/3/2023 9:06 AM View: PLs Intra App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

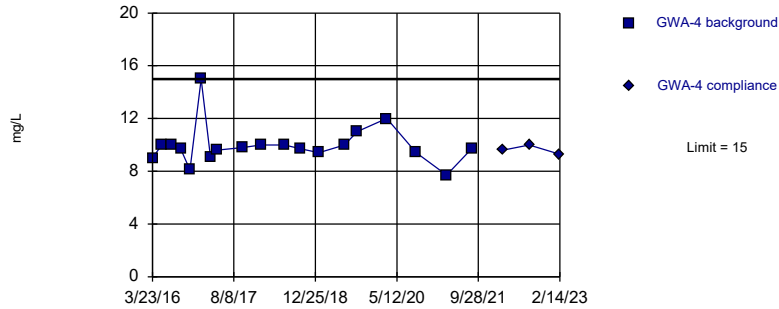
Within Limit

Prediction Limit  
Intrawell Non-parametric



Within Limit

Prediction Limit  
Intrawell Non-parametric

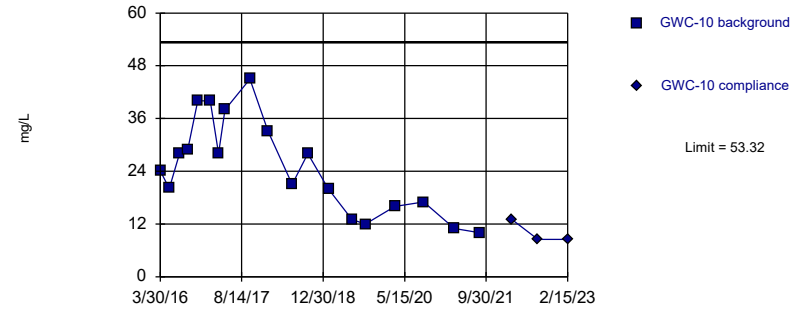


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 19 background values. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 4/3/2023 9:06 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

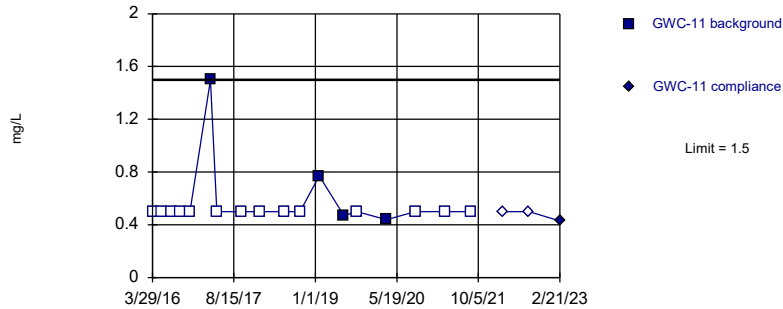


Background Data Summary: Mean=24.9, Std. Dev.=10.73, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9467, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Sulfate as SO4 Analysis Run 4/3/2023 9:06 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

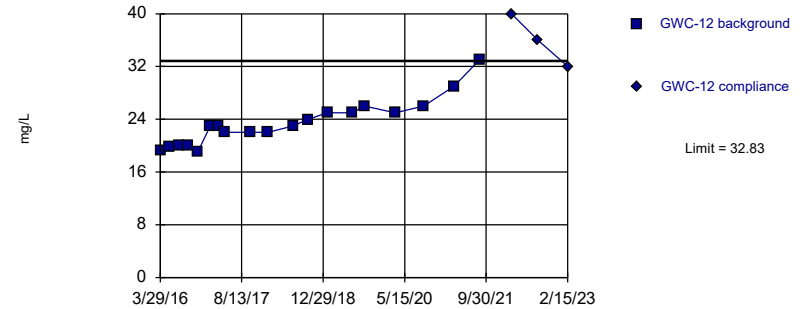


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 18 background values. 77.78% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 4/3/2023 9:06 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within 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.

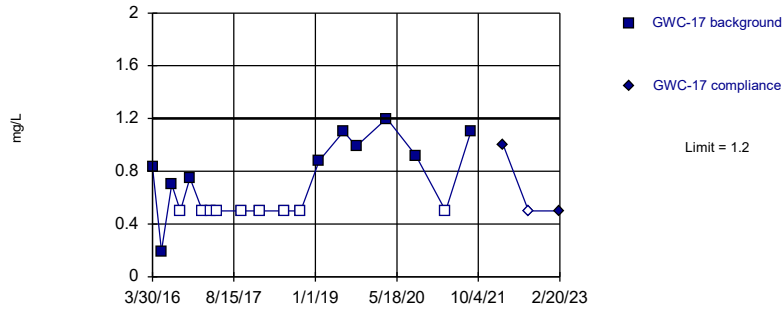
Constituent: Sulfate as SO4 Analysis Run 4/3/2023 9:06 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill





Within Limit

Prediction Limit  
Intrawell Non-parametric

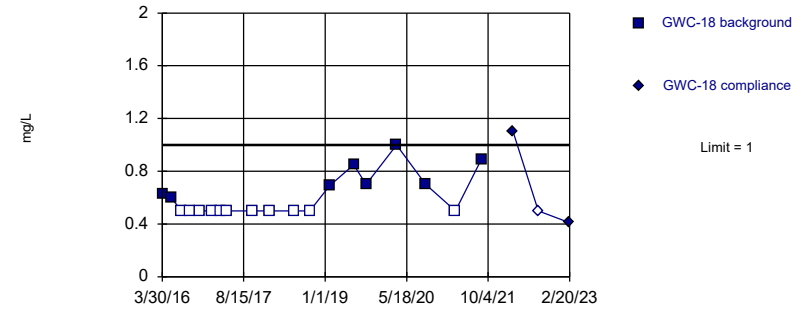


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 19 background values. 47.37% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 4/3/2023 9:06 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

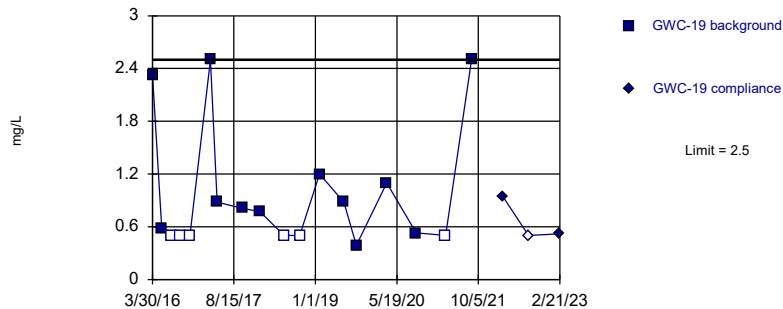


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 57.89% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 4/3/2023 9:06 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

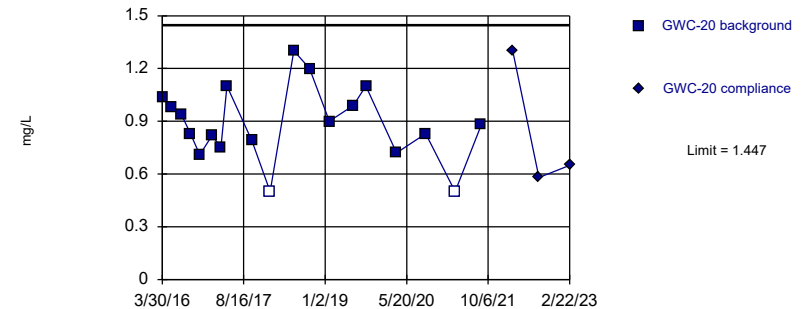


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 18 background values. 33.33% NDs. Well-constituent pair annual alpha = 0.01072. Individual comparison alpha = 0.005373 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 4/3/2023 9:06 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

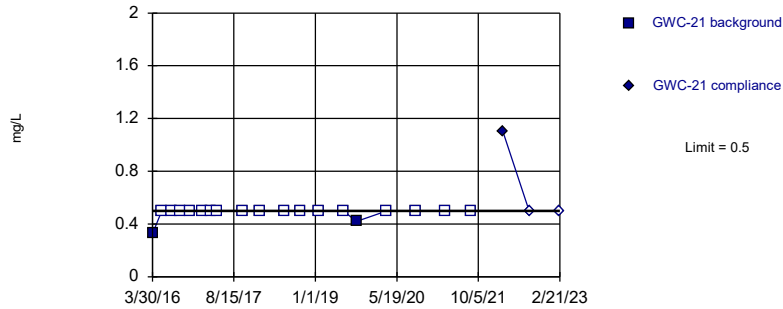


Background Data Summary: Mean=0.8881, Std. Dev.=0.211, n=19, 10.53% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9773, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Sulfate as SO4 Analysis Run 4/3/2023 9:06 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

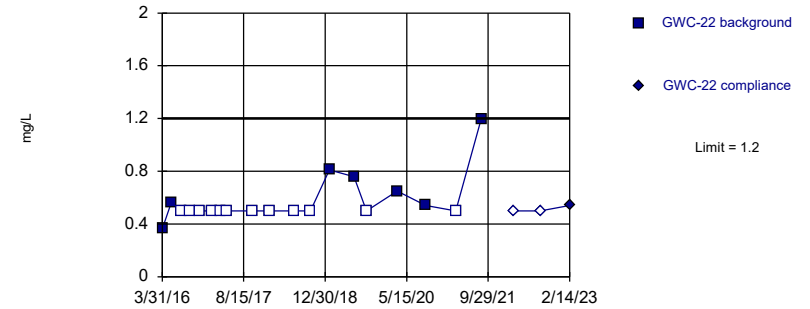


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 89.47% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 4/3/2023 9:06 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

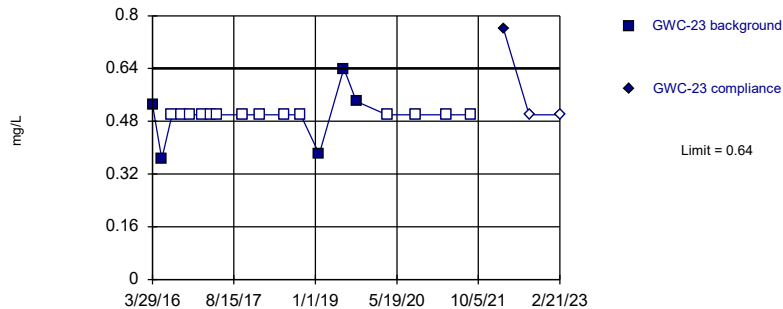


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 63.16% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 4/3/2023 9:06 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

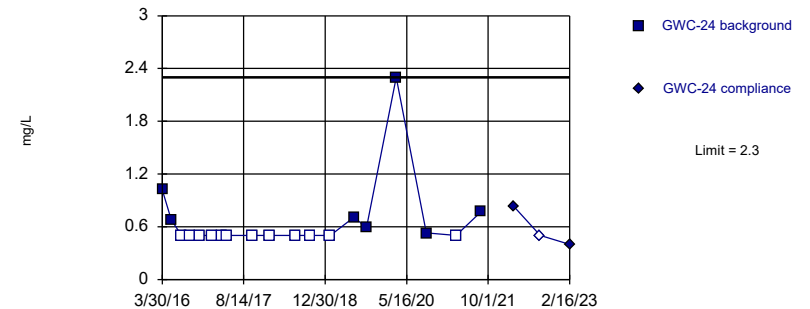


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 73.68% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 4/3/2023 9:06 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

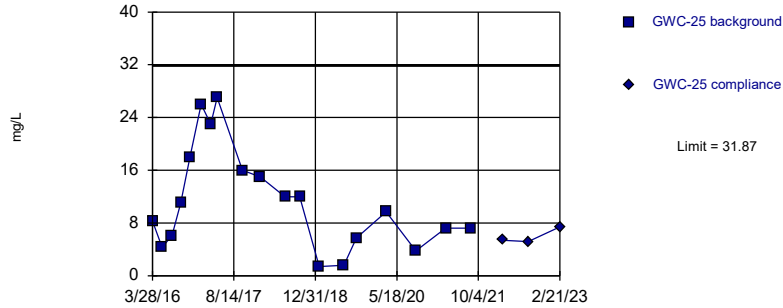


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 63.16% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 4/3/2023 9:06 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

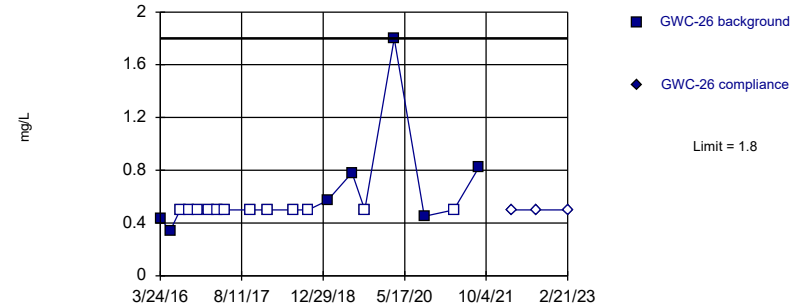


Background Data Summary: Mean=11.33, Std. Dev.=7.753, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9215, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Sulfate as SO4 Analysis Run 4/3/2023 9:06 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

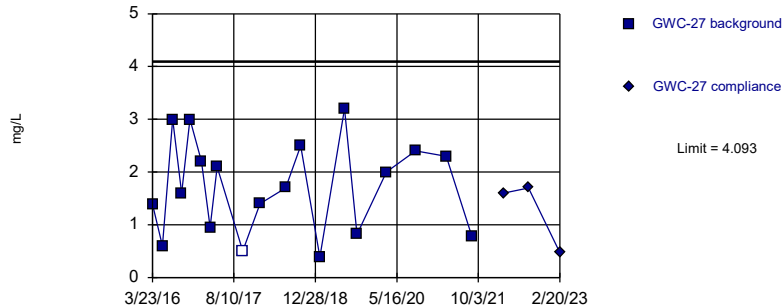


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 19 background values. 63.16% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 4/3/2023 9:06 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

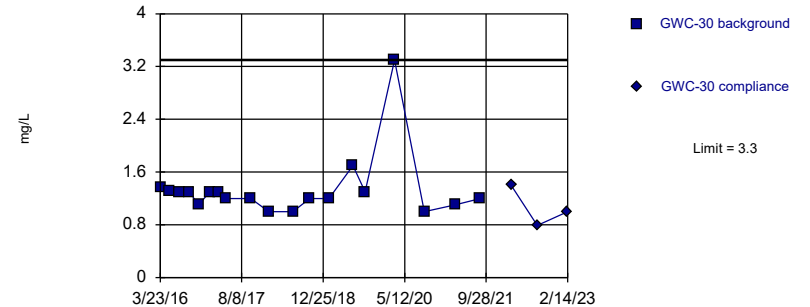


Background Data Summary: Mean=1.728, Std. Dev.=0.893, n=19, 5.263% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9483, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Sulfate as SO4 Analysis Run 4/3/2023 9:06 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

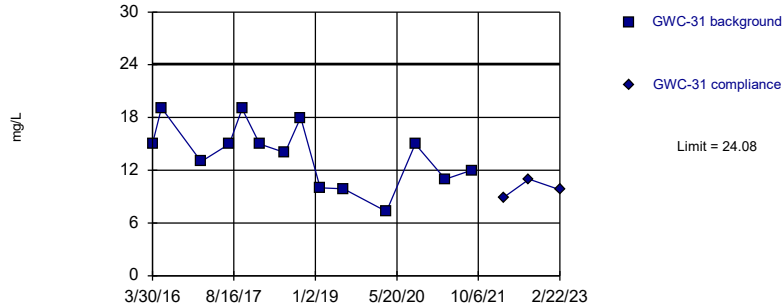


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 19 background values. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 4/3/2023 9:06 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

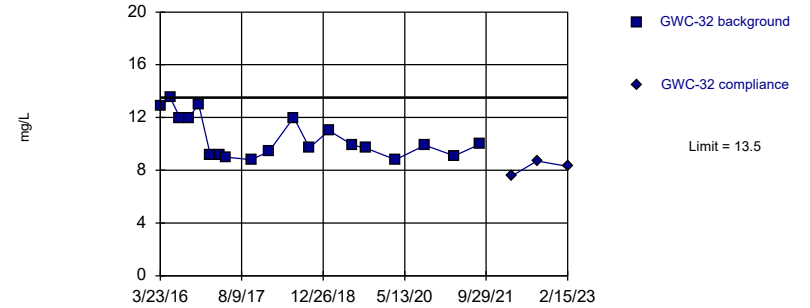


Background Data Summary: Mean=13.81, Std. Dev.=3.532, n=14. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9552, critical = 0.874. Kappa = 2.907 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Sulfate as SO4 Analysis Run 4/3/2023 9:06 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

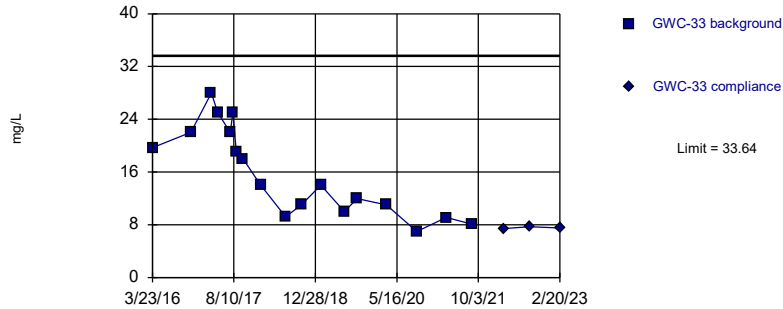


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 19 background values. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Sulfate as SO4 Analysis Run 4/3/2023 9:06 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

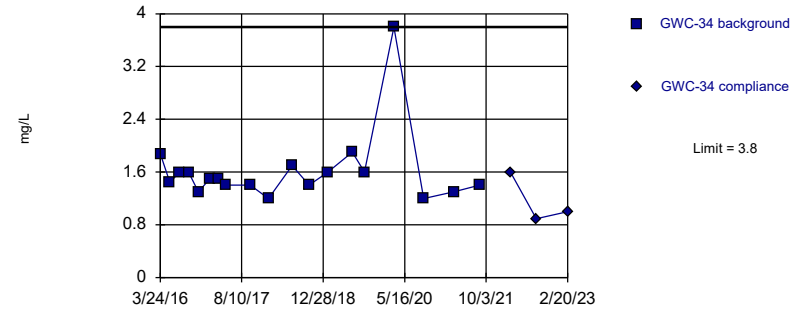


Background Data Summary: Mean=15.78, Std. Dev.=6.647, n=18. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9227, critical = 0.897. Kappa = 2.687 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Sulfate as SO4 Analysis Run 4/3/2023 9:06 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

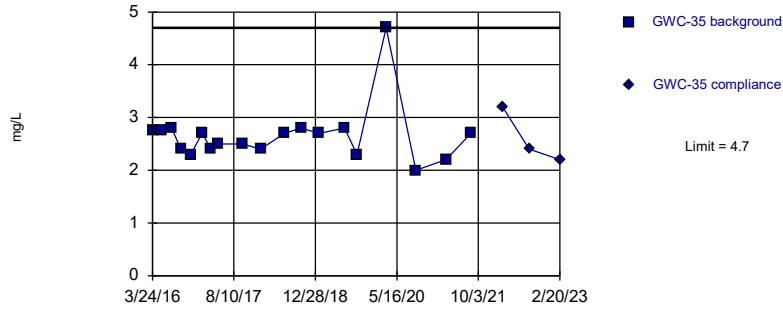
Prediction Limit  
Intrawell Non-parametric



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 4/3/2023 9:06 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

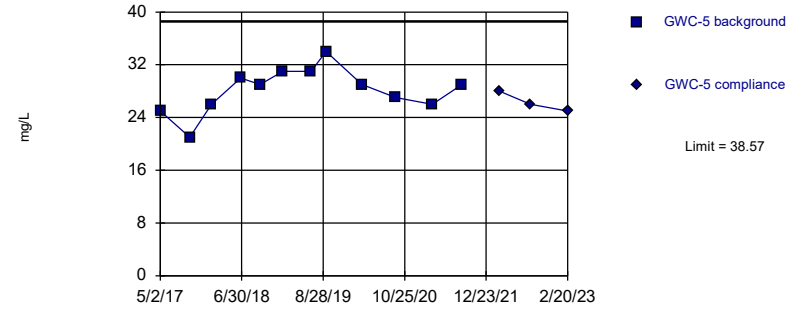
Within Limit Prediction Limit  
Intrawell Non-parametric



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 4/3/2023 9:06 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

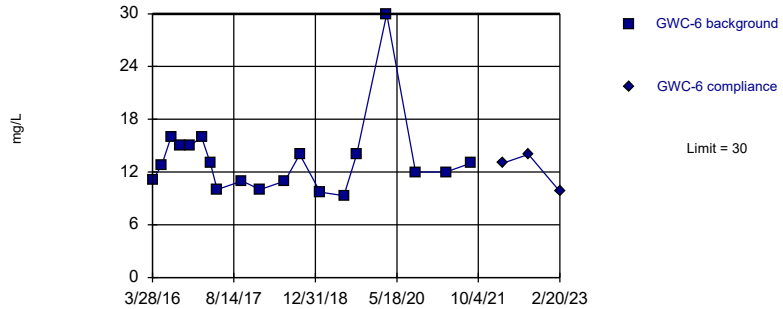
Within Limit Prediction Limit  
Intrawell Parametric



Background Data Summary: Mean=28.17, Std. Dev.=3.407, n=12. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9659, 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 4/3/2023 9:06 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

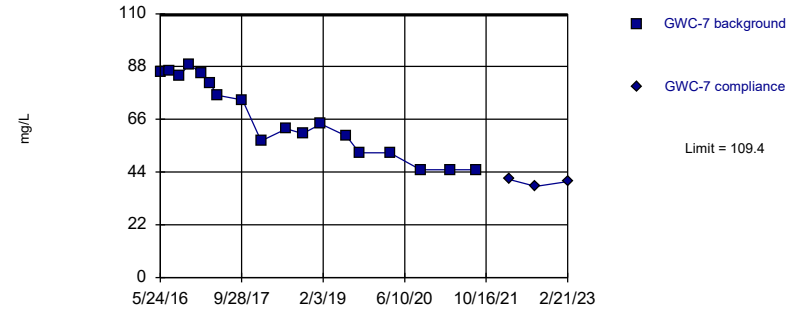
Within Limit Prediction Limit  
Intrawell Non-parametric



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 4/3/2023 9:06 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit Prediction Limit  
Intrawell Parametric

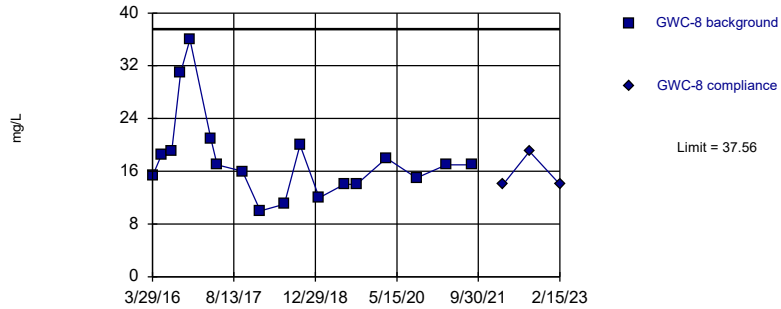


Background Data Summary: Mean=66.77, Std. Dev.=15.88, n=18. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.8982, critical = 0.897. Kappa = 2.687 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Sulfate as SO4 Analysis Run 4/3/2023 9:06 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

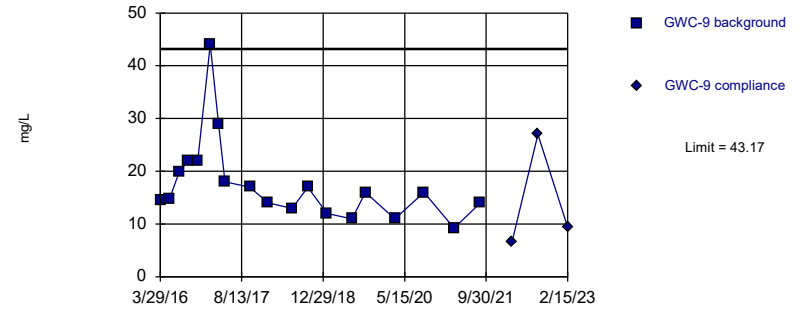


Background Data Summary (based on cube root transformation): Mean=2.584, Std. Dev.=0.2845, n=18. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9069, critical = 0.897. Kappa = 2.687 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Sulfate as SO4 Analysis Run 4/3/2023 9:06 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

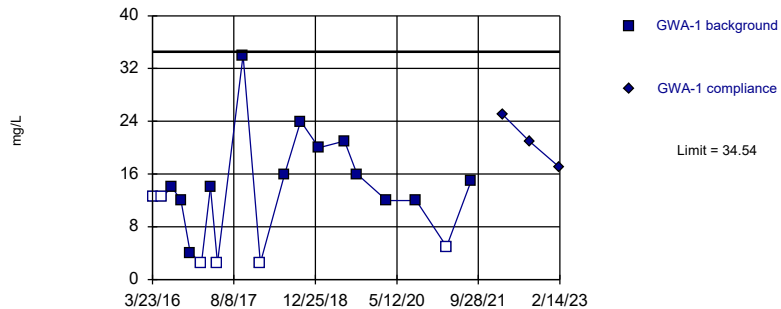


Background Data Summary (based on natural log transformation): Mean=2.797, Std. Dev.=0.3654, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9369, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Sulfate as SO4 Analysis Run 4/3/2023 9:06 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

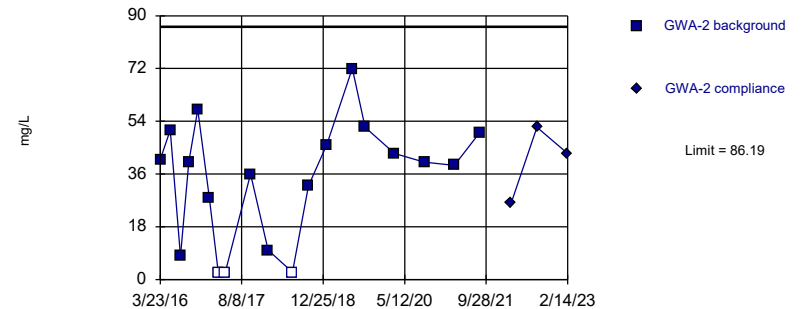


Background Data Summary (after Kaplan-Meier Adjustment): Mean=11.37, Std. Dev.=8.748, n=19, 31.58% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9188, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/3/2023 9:06 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

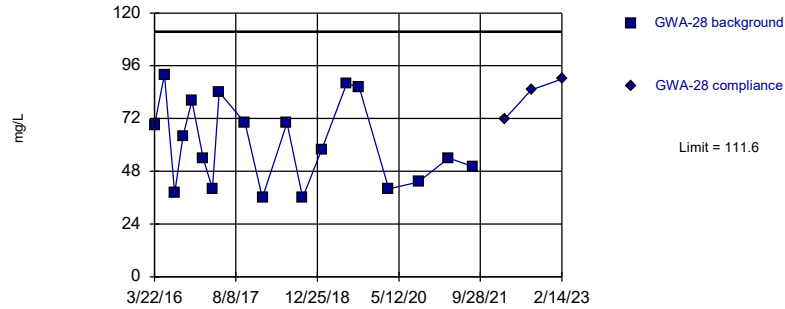


Background Data Summary (after Kaplan-Meier Adjustment): Mean=33.67, Std. Dev.=19.83, n=19, 15.79% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.917, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/3/2023 9:07 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

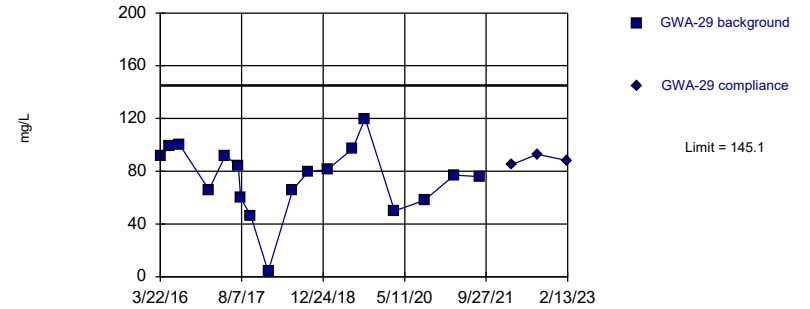


Background Data Summary: Mean=60.63, Std. Dev.=19.22, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9187, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/3/2023 9:07 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

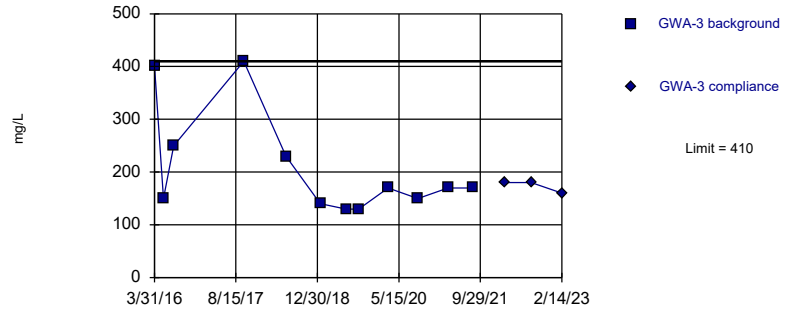


Background Data Summary: Mean=74.89, Std. Dev.=26.14, n=18. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9427, critical = 0.897. Kappa = 2.687 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/3/2023 9:07 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

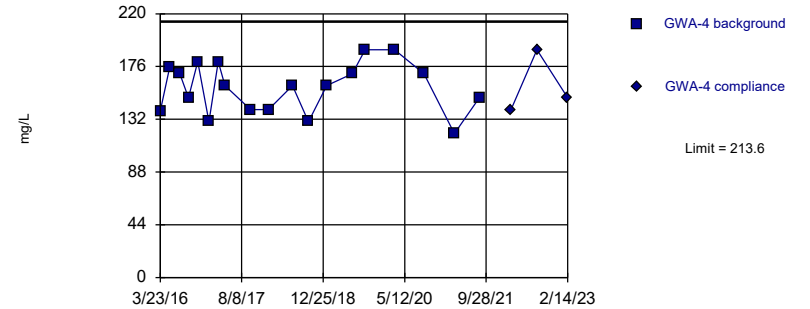


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 12 background values. Well-constituent pair annual alpha = 0.02143. Individual comparison alpha = 0.01077 (1 of 2).

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/3/2023 9:07 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

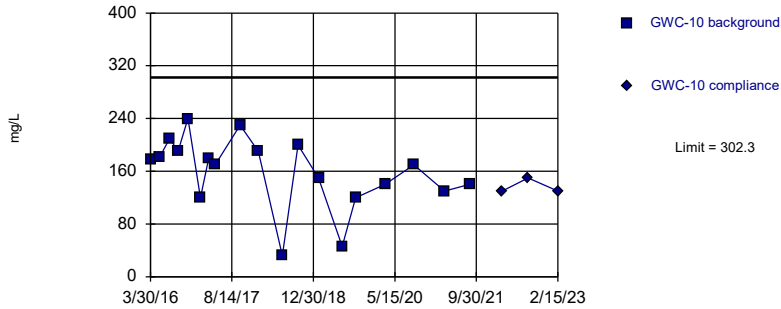


Background Data Summary: Mean=158.1, Std. Dev.=20.95, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.957, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/3/2023 9:07 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

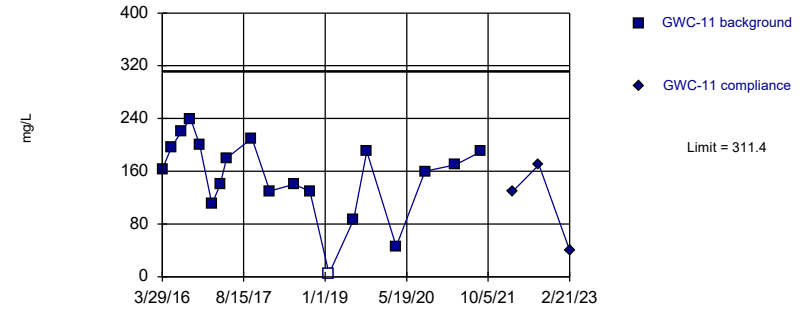


Background Data Summary: Mean=158.7, Std. Dev.=54.2, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9242, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/3/2023 9:07 AM View: PLS Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

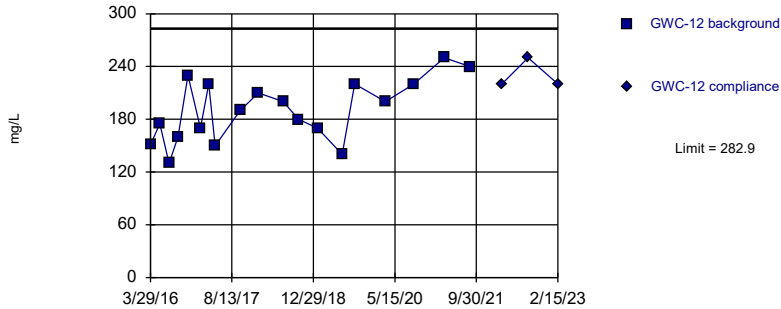


Background Data Summary: Mean=153.1, Std. Dev.=59.77, n=19, 5.263% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9355, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/3/2023 9:07 AM View: PLS Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

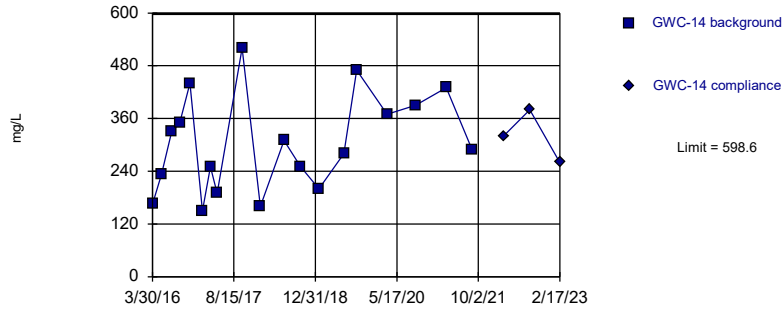




Within Limit

Prediction Limit

Intrawell Parametric



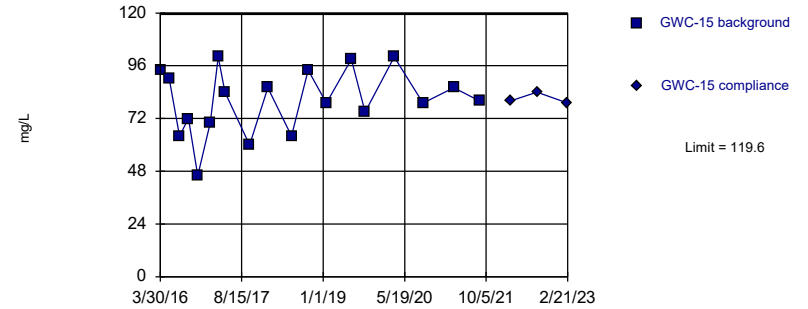
Background Data Summary: Mean=304.1, Std. Dev.=111.2, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9583, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/3/2023 9:07 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit

Intrawell Parametric



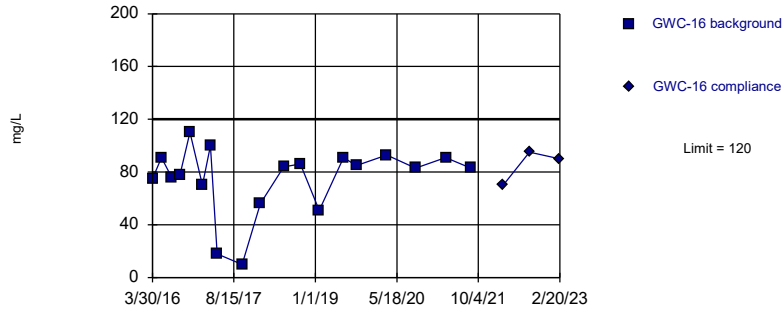
Background Data Summary: Mean=80.11, Std. Dev.=14.91, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9568, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/3/2023 9:07 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

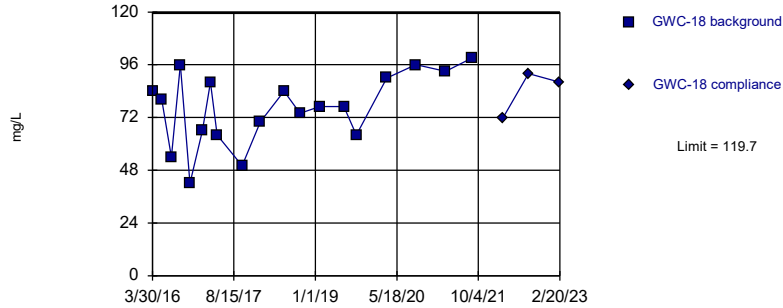
Prediction Limit

Intrawell Parametric



Within Limit

Prediction Limit  
Intrawell Parametric

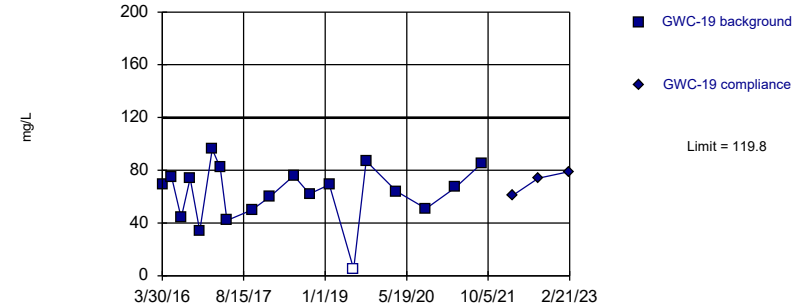


Background Data Summary: Mean=76.21, Std. Dev.=16.41, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9559, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/3/2023 9:07 AM View: PLS Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

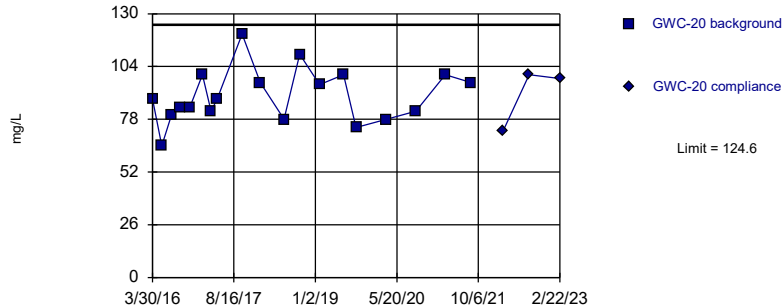


Background Data Summary: Mean=62.74, Std. Dev.=21.55, n=19, 5.263% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9456, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/3/2023 9:07 AM View: PLS Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

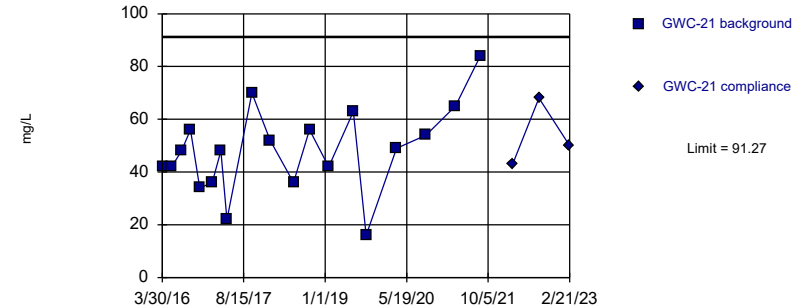


Background Data Summary: Mean=89.47, Std. Dev.=13.27, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9687, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/3/2023 9:07 AM View: PLS Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

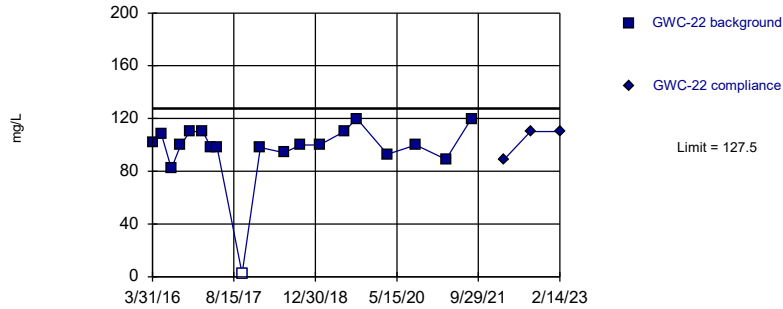


Background Data Summary: Mean=48.16, Std. Dev.=16.27, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9852, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/3/2023 9:07 AM View: PLS Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

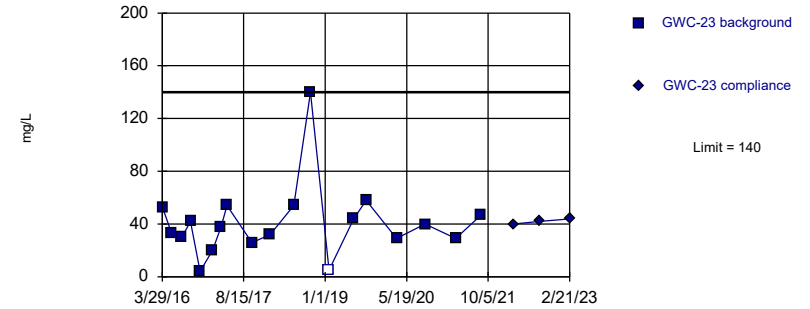


Background Data Summary (based on cube transformation): Mean=1025515, Std. Dev.=395328, n=19, 5.263% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9298, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/3/2023 9:07 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Non-parametric

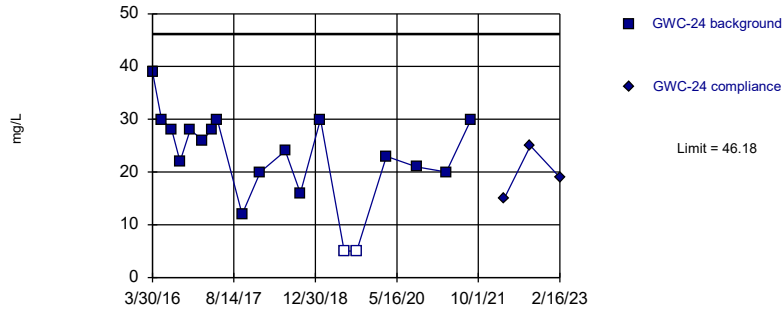


Non-parametric test used in lieu of parametric prediction limit because the Shapiro Wilk normality test showed the data to be non-normal at the 0.05 alpha level. Limit is highest of 19 background values. 5.263% NDs. Well-constituent pair annual alpha = 0.009641. Individual comparison alpha = 0.004832 (1 of 2).

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/3/2023 9:07 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

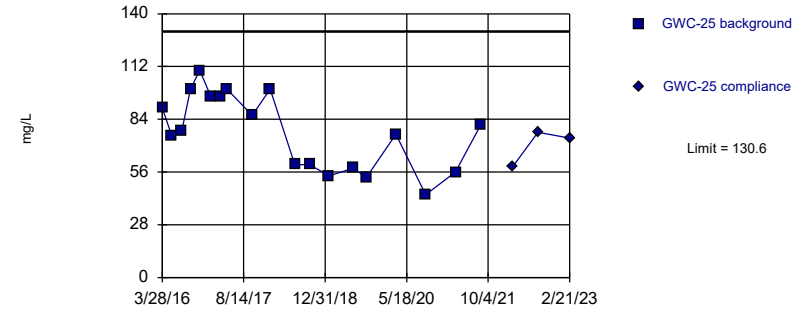


Background Data Summary: Mean=23, Std. Dev.=8.75, n=19, 10.53% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9243, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/3/2023 9:07 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

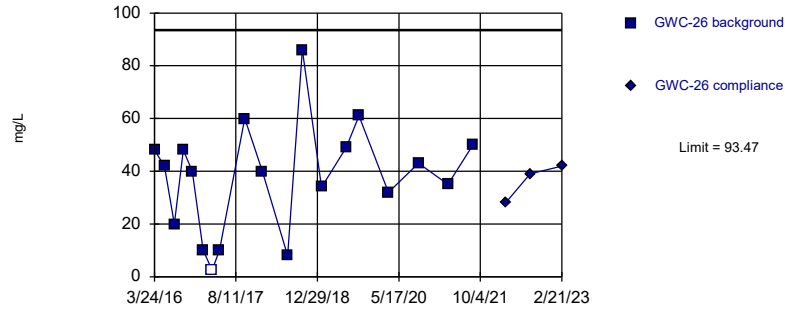


Background Data Summary: Mean=77.53, Std. Dev.=20.05, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9333, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/3/2023 9:07 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

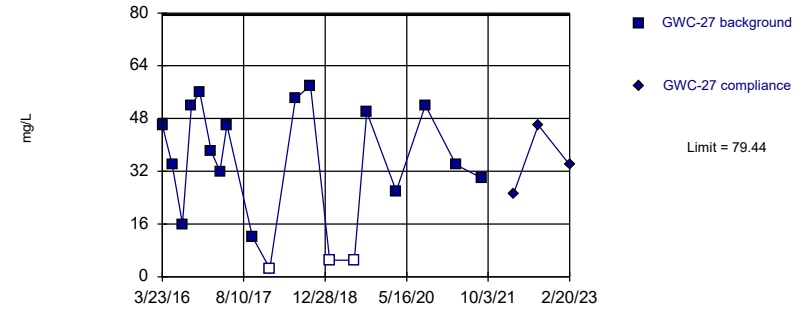


Background Data Summary: Mean=37.82, Std. Dev.=21.01, n=19, 5.263% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9521, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/3/2023 9:07 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

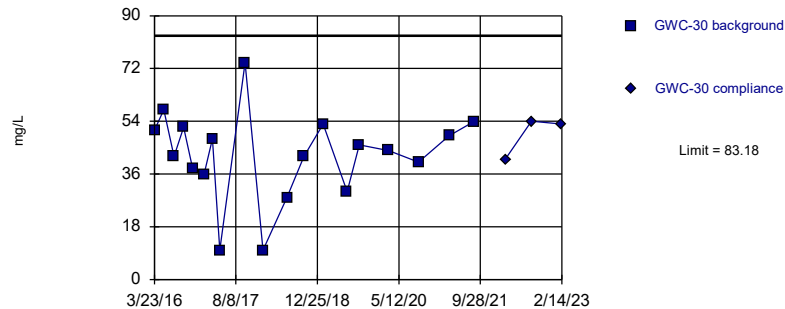


Background Data Summary (after Kaplan-Meier Adjustment): Mean=30.49, Std. Dev.=18.48, n=19, 15.79% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9115, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/3/2023 9:07 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

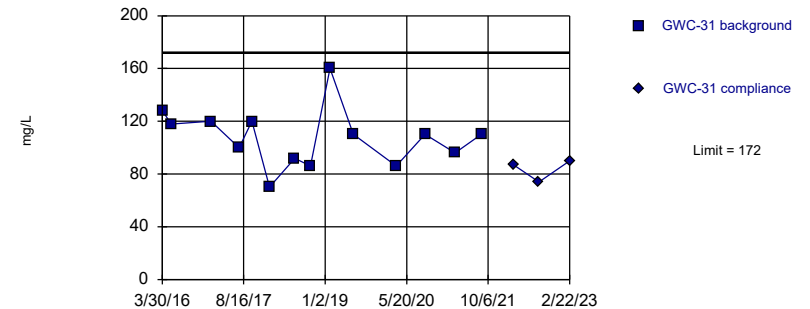


Background Data Summary: Mean=42.37, Std. Dev.=15.41, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9374, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/3/2023 9:07 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

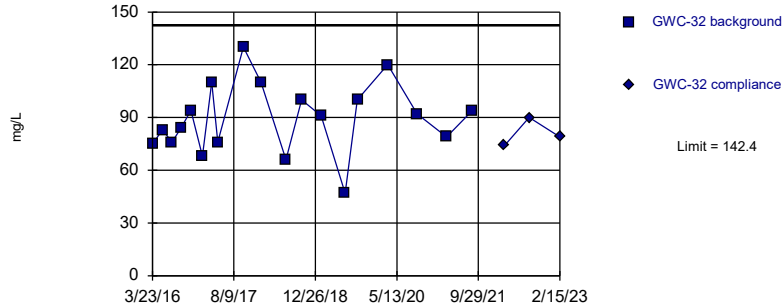


Background Data Summary: Mean=107.6, Std. Dev.=22.15, n=14. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9554, critical = 0.874. Kappa = 2.907 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/3/2023 9:07 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

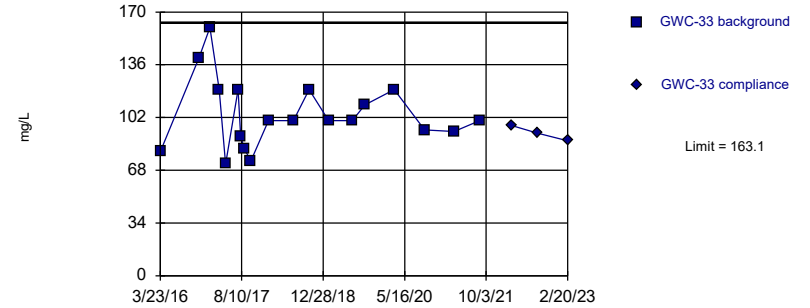


Background Data Summary: Mean=89.21, Std. Dev.=20.08, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9868, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/3/2023 9:07 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

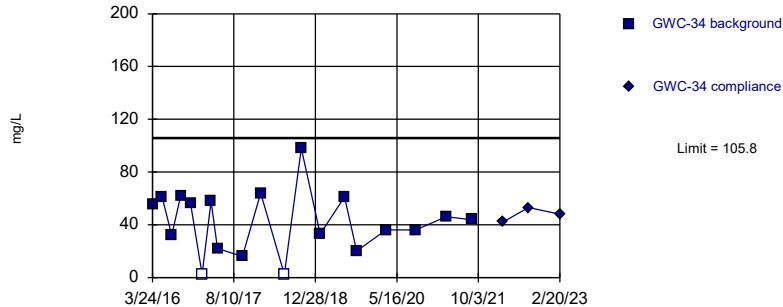


Background Data Summary: Mean=103.9, Std. Dev.=22.33, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9342, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/3/2023 9:07 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Intrawell Parametric

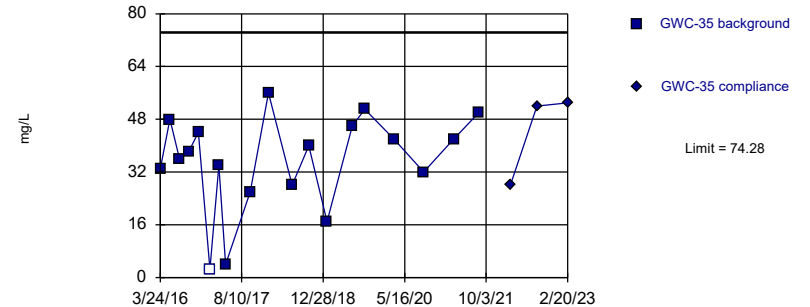


Background Data Summary: Mean=42.37, Std. Dev.=23.94, n=19, 10.53% NDs. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9566, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/3/2023 9:07 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

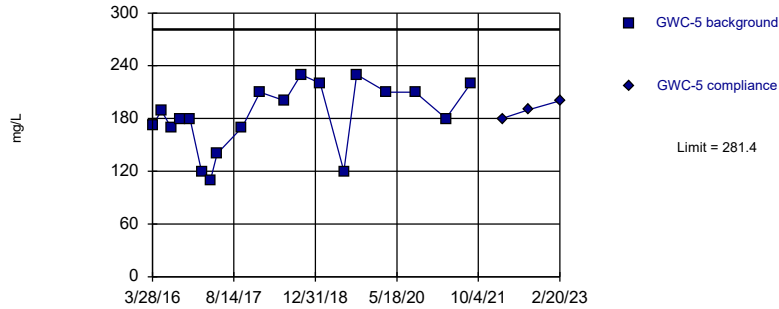
Within Limit

Prediction Limit  
Intrawell Parametric



Within Limit

### Prediction Limit Intrawell Parametric

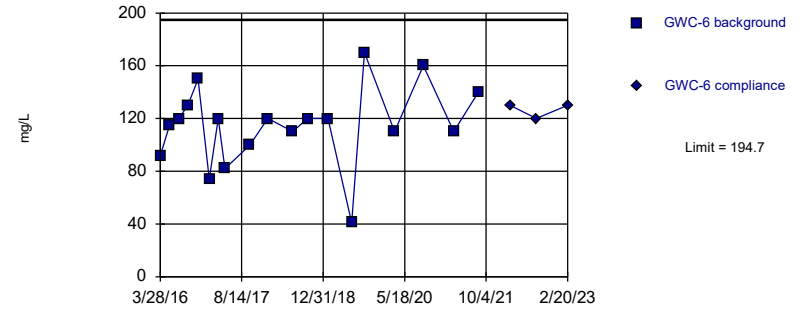


Background Data Summary: Mean=182.2, Std. Dev.=37.46, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.915, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/3/2023 9:07 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

### Prediction Limit Intrawell Parametric

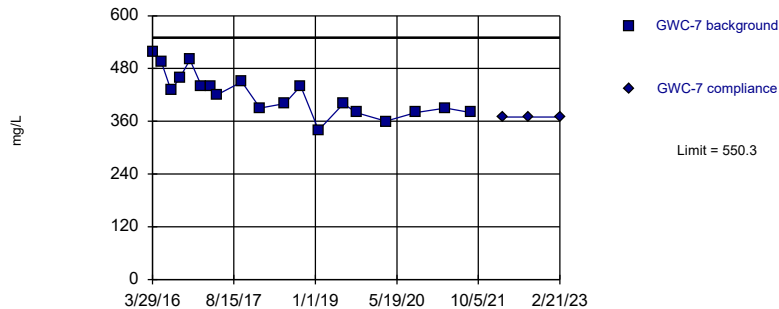


Background Data Summary: Mean=114.9, Std. Dev.=30.12, n=19. Normality test: Shapiro Wilk @alpha = 0.05, calculated = 0.9572, critical = 0.901. Kappa = 2.649 (c=7, w=29, 1 of 2, event alpha = 0.05132). Report alpha = 0.0002595.

Constituent: Total Dissolved Solids [TDS] Analysis Run 4/3/2023 9:07 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

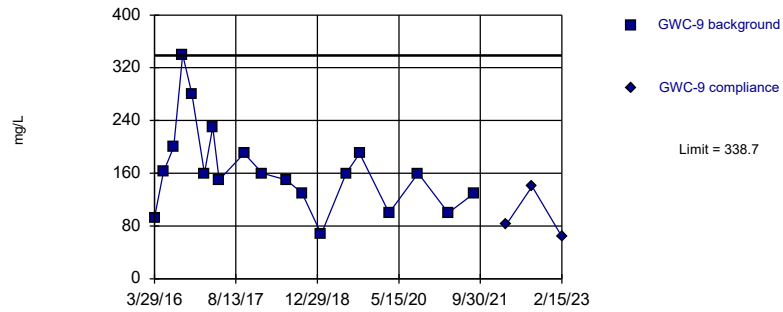
### Prediction Limit Intrawell Parametric



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 4/3/2023 9:07 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:15 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/9/2022		5.33
2/14/2023		5.56



# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:15 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/9/2022		5.64
2/14/2023		5.64

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:15 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/9/2022		6.08
2/14/2023		6.12

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:15 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/9/2022		5.9
2/13/2023		5.64

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/9/2022		5.45
2/14/2023		5.53

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/9/2022		6.3
2/14/2023		6.2

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/16/2022		6.16
2/15/2023		5.76

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/15/2022		6.04
2/21/2023		5.96

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/16/2022		7.39
2/15/2023		6.98



# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/15/2022		7.03
2/21/2023		6.62

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/16/2022		5.04
2/17/2023		5.73

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/16/2022		6.54
2/21/2023		7.22

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:16 AM 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
8/16/2022		6.13
2/20/2023		6.08

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/11/2022		5.95
2/20/2023		6.06

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/11/2022		5.76
2/20/2023		5.87

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/11/2022		5.7
2/21/2023		5.73

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/16/2022		6.73
2/22/2023		6.91



# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/16/2022		5.54
2/21/2023		5.37

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/17/2022		6.61
2/14/2023		6.56

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/16/2022		5.86
2/21/2023		5.88

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/18/2022		5.08
2/16/2023		5.08

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/10/2022		6
2/21/2023		5.93

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/10/2022		5.6
2/21/2023		5.58

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/10/2022		5.63
2/20/2023		5.33

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/10/2022		5.97
2/14/2023		5.91



# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/16/2022		6.19
2/22/2023		6.03

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/10/2022		5.94
2/15/2023		5.98

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/15/2022		6.16
2/20/2023		6.21

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/10/2022		5.78
2/20/2023		5.96

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/15/2022		5.55
2/20/2023		5.51

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/11/2022		6.31
2/20/2023		6.28

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/11/2022		5.97
2/20/2023		5.94

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/11/2022		6.44
2/21/2023		6.5



# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:16 AM 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
8/11/2022		5.9
2/15/2023		6.03

# Prediction Limit

Constituent: pH, Field (S.U.) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/16/2022		5.53
10/12/2022		5.51 (R)
2/15/2023		5.56

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/9/2022		<1
2/14/2023		<1

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/9/2022		0.54 (J)
2/14/2023		2.5

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM 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
8/9/2022		0.7 (J)
2/14/2023		1.2

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/9/2022		7.8
2/13/2023		4.3

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	GWA-3	GWA-3
3/31/2016	202.982 (o)	
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
8/9/2022		48
2/14/2023		70

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/9/2022		10
2/14/2023		9.3



# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/16/2022		8.5
2/15/2023		8.5

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM 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
8/15/2022		<1
2/21/2023		0.43 (J)

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/16/2022		36
2/15/2023		32

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/15/2022		1.8
2/21/2023		1.8

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/16/2022		18
2/17/2023		5.7

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/16/2022		1.1
2/21/2023		1.1

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM 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
8/16/2022		<1
2/20/2023		<1

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/11/2022		<1
2/20/2023		0.5 (J)



# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM 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
8/11/2022		<1
2/20/2023		0.41 (J)

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM 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)
8/11/2022		<1
2/21/2023		0.52 (J)

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM 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
8/16/2022		0.58 (J)
2/22/2023		0.65 (J)

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM 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
8/16/2022		<1
2/21/2023		<1

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/17/2022		<1
2/14/2023		0.54 (J)

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM 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)
8/16/2022		<1
2/21/2023		<1

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM 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)
8/18/2022		<1
2/16/2023		0.4 (J)

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/10/2022		5.2
2/21/2023		7.4



# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM 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
8/10/2022		<1
2/21/2023		<1

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM 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
8/10/2022		1.7
2/20/2023		0.47 (J)

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/10/2022		0.79 (J)
2/14/2023		1

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/16/2022		11
2/22/2023		9.8

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/10/2022		8.7
2/15/2023		8.3

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/15/2022		7.7
2/20/2023		7.5

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/10/2022		0.89 (J)
2/20/2023		1

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/15/2022		2.4
2/20/2023		2.2



# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/11/2022		26
2/20/2023		25

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/11/2022		14
2/20/2023		9.8

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/11/2022		38
2/21/2023		40

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/11/2022		19
2/15/2023		14

# Prediction Limit

Constituent: Sulfate as SO4 (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/16/2022		27
2/15/2023		9.4

# Prediction Limit

Constituent: T Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-1	GWA-1
3/23/2016	<25	
5/20/2016	<25	
7/21/2016	14	
9/15/2016	12	
11/11/2016	4 (J)	
1/19/2017	<5	
3/16/2017	14	
4/28/2017	<5	
10/4/2017	34	
1/19/2018	<5	
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
8/9/2022		21
2/14/2023		17

# Prediction Limit

Constituent: T Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM 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
8/9/2022		52
2/14/2023		43

# Prediction Limit

Constituent: T Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/9/2022		85
2/14/2023		90



# Prediction Limit

Constituent: T Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/9/2022		93
2/13/2023		88

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/9/2022		180
2/14/2023		160

# Prediction Limit

Constituent: T Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/9/2022		190
2/14/2023		150

# Prediction Limit

Constituent: T Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/16/2022		150
2/15/2023		130

# Prediction Limit

Constituent: T Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM 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
8/15/2022		170
2/21/2023		40

# Prediction Limit

Constituent: T Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/16/2022		250
2/15/2023		220

# Prediction Limit

Constituent: T Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/15/2022		64
2/21/2023		58

# Prediction Limit

Constituent: T Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/16/2022		380
2/17/2023		260



# Prediction Limit

Constituent: T Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/16/2022		84
2/21/2023		79

# Prediction Limit

Constituent: T Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/16/2022		95
2/20/2023		90

# Prediction Limit

Constituent: T Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/11/2022		100
2/20/2023		100

# Prediction Limit

Constituent: T Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/11/2022		92
2/20/2023		88

# Prediction Limit

Constituent: T Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM 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
8/11/2022		74
2/21/2023		79

# Prediction Limit

Constituent: T Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/16/2022		100
2/22/2023		98

# Prediction Limit

Constituent: T Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/16/2022		68
2/21/2023		50

# Prediction Limit

Constituent: T Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM 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
8/17/2022		110
2/14/2023		110



# Prediction Limit

Constituent: T Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM 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
8/16/2022		42
2/21/2023		44

# Prediction Limit

Constituent: T Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM 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
8/18/2022		25
2/16/2023		19

# Prediction Limit

Constituent: T Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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)
8/10/2022		77
2/21/2023		74

# Prediction Limit

Constituent: T Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM 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
8/10/2022		39
2/21/2023		42

# Prediction Limit

Constituent: T Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM 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	<5	
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
8/10/2022		46
2/20/2023		34

# Prediction Limit

Constituent: T Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/10/2022		54
2/14/2023		53

# Prediction Limit

Constituent: T Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/16/2022		74
2/22/2023		90

# Prediction Limit

Constituent: T Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/10/2022		90
2/15/2023		79



# Prediction Limit

Constituent: T Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/15/2022		92
2/20/2023		87

# Prediction Limit

Constituent: T Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM 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
8/10/2022		53
2/20/2023		48

# Prediction Limit

Constituent: T Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM 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
8/15/2022		52
2/20/2023		53

# Prediction Limit

Constituent: T Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/11/2022		190
2/20/2023		200

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/11/2022		120
2/20/2023		130

# Prediction Limit

Constituent: T Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/11/2022		370
2/21/2023		370

# Prediction Limit

Constituent: Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/11/2022		190
2/15/2023		130

# Prediction Limit

Constituent: T Total Dissolved Solids [TDS] (mg/L) Analysis Run 4/3/2023 9:16 AM View: PLs Intra App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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	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
8/16/2022		140
2/15/2023		64



FIGURE G.

# Interwell Prediction Limits (Appendix III) - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 4/3/2023, 9:20 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWC-14	0.05	n/a	2/17/2023	0.65	Yes	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Chloride (mg/L)	GWC-14	49	n/a	2/17/2023	84	Yes	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2

# Interwell Prediction Limits - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 4/3/2023, 9:21 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Boron (mg/L)	GWC-10	0.05	n/a	2/15/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-11	0.05	n/a	2/21/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-12	0.05	n/a	2/15/2023	0.077J	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-13	0.05	n/a	2/21/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
<b>Boron (mg/L)</b>	<b>GWC-14</b>	<b>0.05</b>	<b>n/a</b>	<b>2/17/2023</b>	<b>0.65</b>	<b>Yes</b>	<b>125</b>	<b>n/a</b>	<b>n/a</b>	<b>97.6</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0001244</b>	<b>NP Inter (NDs) 1 of 2</b>
Boron (mg/L)	GWC-15	0.05	n/a	2/21/2023	0.04J	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-16	0.05	n/a	2/20/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-17	0.05	n/a	2/20/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-18	0.05	n/a	2/20/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-19	0.05	n/a	2/21/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-20	0.05	n/a	2/22/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-21	0.05	n/a	2/21/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-22	0.05	n/a	2/14/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-23	0.05	n/a	2/21/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-24	0.05	n/a	2/16/2023	0.036J	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-25	0.05	n/a	2/21/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-26	0.05	n/a	2/21/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-27	0.05	n/a	2/20/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-30	0.05	n/a	2/14/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-31	0.05	n/a	2/22/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-32	0.05	n/a	2/15/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-33	0.05	n/a	2/20/2023	0.022J	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-34	0.05	n/a	2/20/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-35	0.05	n/a	2/20/2023	0.024J	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-5	0.05	n/a	2/20/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-6	0.05	n/a	2/20/2023	0.022J	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-7	0.05	n/a	2/21/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-8	0.05	n/a	2/15/2023	0.04ND	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Boron (mg/L)	GWC-9	0.05	n/a	2/15/2023	0.041J	No	125	n/a	n/a	97.6	n/a	n/a	0.0001244	NP Inter (NDs) 1 of 2
Calcium (mg/L)	GWC-10	72	n/a	2/15/2023	15	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-11	72	n/a	2/21/2023	3.4	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-12	72	n/a	2/15/2023	55	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-13	72	n/a	2/21/2023	5.3	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-14	72	n/a	2/17/2023	23	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-15	72	n/a	2/21/2023	10	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-16	72	n/a	2/20/2023	7.5	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-17	72	n/a	2/20/2023	13	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-18	72	n/a	2/20/2023	8.5	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-19	72	n/a	2/21/2023	11	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-20	72	n/a	2/22/2023	9.3	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-21	72	n/a	2/21/2023	5.7	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-22	72	n/a	2/14/2023	11	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-23	72	n/a	2/21/2023	4	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-24	72	n/a	2/16/2023	0.19J	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-25	72	n/a	2/21/2023	7.4	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-26	72	n/a	2/21/2023	2	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-27	72	n/a	2/20/2023	1.1	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-30	72	n/a	2/14/2023	3.5	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-31	72	n/a	2/22/2023	8.6	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-32	72	n/a	2/15/2023	6.8	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-33	72	n/a	2/20/2023	17	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-34	72	n/a	2/20/2023	3.6	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-35	72	n/a	2/20/2023	3	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-5	72	n/a	2/20/2023	30	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-6	72	n/a	2/20/2023	15	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2

# Interwell Prediction Limits - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 4/3/2023, 9:21 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Calcium (mg/L)	GWC-7	72	n/a	2/21/2023	50	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-8	72	n/a	2/15/2023	23	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Calcium (mg/L)	GWC-9	72	n/a	2/15/2023	8.1	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-10	49	n/a	2/15/2023	4.8	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-11	49	n/a	2/21/2023	0.8J	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-12	49	n/a	2/15/2023	25	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-13	49	n/a	2/21/2023	1.1	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
<b>Chloride (mg/L)</b>	<b>GWC-14</b>	<b>49</b>	<b>n/a</b>	<b>2/17/2023</b>	<b>84</b>	<b>Yes</b>	<b>124</b>	<b>n/a</b>	<b>n/a</b>	<b>0.8065</b>	<b>n/a</b>	<b>n/a</b>	<b>0.0001261</b>	<b>NP Inter (normality) 1 of 2</b>
Chloride (mg/L)	GWC-15	49	n/a	2/21/2023	3	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-16	49	n/a	2/20/2023	1.4	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-17	49	n/a	2/20/2023	1.2	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-18	49	n/a	2/20/2023	1.5	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-19	49	n/a	2/21/2023	1.7	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-20	49	n/a	2/22/2023	1.7	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-21	49	n/a	2/21/2023	2.6	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-22	49	n/a	2/14/2023	1.4	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-23	49	n/a	2/21/2023	1.7	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-24	49	n/a	2/16/2023	4.5	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-25	49	n/a	2/21/2023	5.9	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-26	49	n/a	2/21/2023	2.6	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-27	49	n/a	2/20/2023	0.92J	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-30	49	n/a	2/14/2023	1.3	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-31	49	n/a	2/22/2023	1	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-32	49	n/a	2/15/2023	1.2	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-33	49	n/a	2/20/2023	1.8	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-34	49	n/a	2/20/2023	1.1	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-35	49	n/a	2/20/2023	6.8	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-5	49	n/a	2/20/2023	9.4	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-6	49	n/a	2/20/2023	5.7	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-7	49	n/a	2/21/2023	35	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-8	49	n/a	2/15/2023	2	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Chloride (mg/L)	GWC-9	49	n/a	2/15/2023	4	No	124	n/a	n/a	0.8065	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-10	3.2	n/a	2/15/2023	0.78	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-11	3.2	n/a	2/21/2023	0.061J	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-12	3.2	n/a	2/15/2023	0.13	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-13	3.2	n/a	2/21/2023	0.086J	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-14	3.2	n/a	2/17/2023	0.081J	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-15	3.2	n/a	2/21/2023	0.077J	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-16	3.2	n/a	2/20/2023	0.046J	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-17	3.2	n/a	2/20/2023	0.046J	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-18	3.2	n/a	2/20/2023	0.05ND	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-19	3.2	n/a	2/21/2023	0.05ND	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-20	3.2	n/a	2/22/2023	0.05ND	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-21	3.2	n/a	2/21/2023	0.05ND	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-22	3.2	n/a	2/14/2023	0.057J	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-23	3.2	n/a	2/21/2023	0.05ND	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-24	3.2	n/a	2/16/2023	0.05ND	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-25	3.2	n/a	2/21/2023	0.041J	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-26	3.2	n/a	2/21/2023	0.05ND	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-27	3.2	n/a	2/20/2023	0.16	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-30	3.2	n/a	2/14/2023	0.091J	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-31	3.2	n/a	2/22/2023	1.3	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-32	3.2	n/a	2/15/2023	2.3	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-33	3.2	n/a	2/20/2023	2.4	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-34	3.2	n/a	2/20/2023	0.13	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2

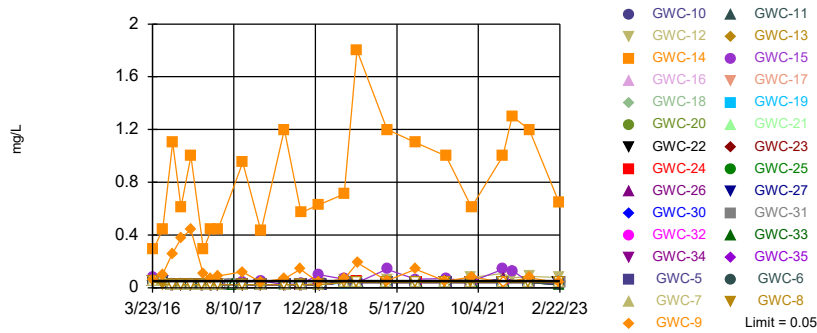
# Interwell Prediction Limits - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 4/3/2023, 9:21 AM

Constituent	Well	Upper Lim.	Lower Lim.	Date	Observ.	Sig.	Bg N	Bg Mean	Std. Dev.	%NDs	ND Adj.	Transform	Alpha	Method
Fluoride (mg/L)	GWC-35	3.2	n/a	2/20/2023	0.05ND	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-5	3.2	n/a	2/20/2023	0.092J	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-6	3.2	n/a	2/20/2023	0.079J	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-7	3.2	n/a	2/21/2023	0.23	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-8	3.2	n/a	2/15/2023	0.063J	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2
Fluoride (mg/L)	GWC-9	3.2	n/a	2/15/2023	0.062J	No	124	n/a	n/a	41.13	n/a	n/a	0.0001261	NP Inter (normality) 1 of 2

Exceeds Limit: GWC-14

Prediction Limit  
Interwell Non-parametric

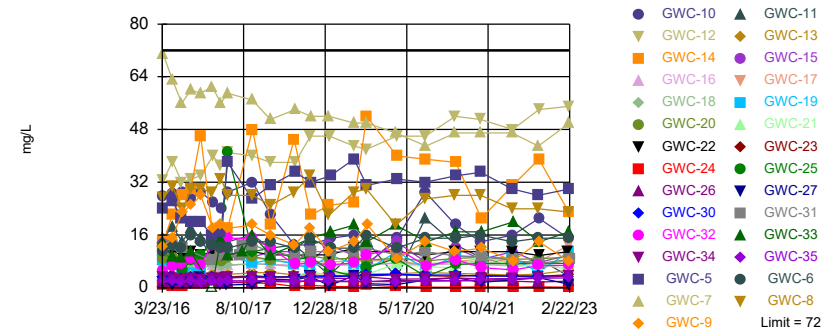


Non-parametric test used in lieu of parametric prediction limit because censored data exceeded 50%. Limit is highest of 125 background values. 97.6% NDs. Annual per-constituent alpha = 0.00719. Individual comparison alpha = 0.0001244 (1 of 2). Comparing 29 points to limit.

Constituent: Boron Analysis Run 4/3/2023 9:19 AM View: PLs Interwell App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Within Limit

Prediction Limit  
Interwell Non-parametric

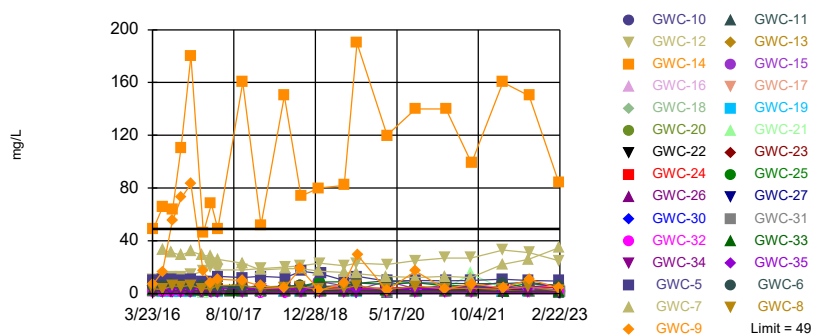


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 124 background values. 0.8065% NDs. Annual per-constituent alpha = 0.007289. Individual comparison alpha = 0.0001261 (1 of 2). Comparing 29 points to limit.

Constituent: Calcium Analysis Run 4/3/2023 9:19 AM View: PLs Interwell App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

Exceeds Limit: GWC-14

Prediction Limit  
Interwell Non-parametric

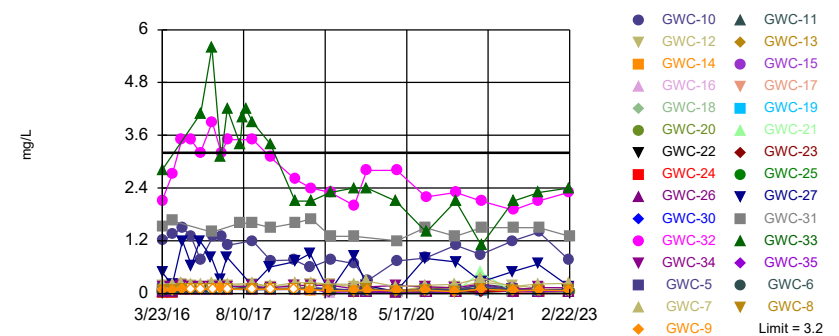


Non-parametric test used in lieu of parametric prediction limit because the Chi Squared normality test showed the data to be non-normal at the 0.01 alpha level. Limit is highest of 124 background values. 0.8065% NDs. Annual per-constituent alpha = 0.007289. Individual comparison alpha = 0.0001261 (1 of 2). Comparing 29 points to limit.

Constituent: Chloride Analysis Run 4/3/2023 9:19 AM View: PLs Interwell App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

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 124 background values. 41.13% NDs. Annual per-constituent alpha = 0.007289. Individual comparison alpha = 0.0001261 (1 of 2). Comparing 29 points to limit.

Constituent: Fluoride Analysis Run 4/3/2023 9:19 AM View: PLs Interwell App III  
Plant Wansley Client: Southern Company Data: Wansley Landfill

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/3/2023 9:21 AM View: PLs Interwell App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29 (bg)	GWA-28 (bg)	GWA-1 (bg)	GWC-27	GWC-30	GWC-32	GWC-33	GWA-4 (bg)	GWA-2 (bg)
3/22/2016	<0.1	<0.1							
3/23/2016			<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
3/24/2016									
3/28/2016									
3/29/2016									
3/30/2016									
3/31/2016									
5/19/2016	<0.1							<0.1	
5/20/2016			<0.1		<0.1				
5/23/2016		<0.1							
5/24/2016				<0.1		<0.1	<0.1		<0.1
5/25/2016									
5/26/2016									
7/21/2016	<0.05		<0.05		<0.05			<0.05	
7/22/2016						<0.05	<0.05		
7/25/2016		<0.05							
7/26/2016				<0.05					<0.05
7/27/2016									
9/14/2016								<0.05	
9/15/2016		<0.05	<0.05						
9/16/2016						<0.05	<0.05		<0.05
9/19/2016				<0.05					
9/20/2016					<0.05				
11/9/2016		<0.05							
11/10/2016								<0.05	<0.05
11/11/2016			<0.05	<0.05					
11/14/2016					<0.05				
11/15/2016						<0.05			
11/16/2016									
11/17/2016							0.023 (J)		
11/18/2016									
1/17/2017	<0.05	<0.05						<0.05	
1/19/2017			<0.05						<0.05
1/20/2017				<0.05					
1/24/2017					<0.05				
1/25/2017							<0.05		
1/26/2017						<0.05			
1/31/2017									
2/1/2017									
2/2/2017									
2/3/2017									
3/16/2017		<0.05	<0.05	<0.05				<0.05	
3/17/2017					<0.05				<0.05
3/22/2017									
3/23/2017							<0.05		
3/24/2017						<0.05			
3/28/2017									
3/29/2017									
4/27/2017	<0.05	<0.05						<0.05	
4/28/2017			<0.05	<0.05					<0.05
5/1/2017					<0.05		<0.05		
5/2/2017						<0.05			

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/3/2023 9:21 AM View: PLs Interwell App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29 (bg)	GWA-28 (bg)	GWA-1 (bg)	GWC-27	GWC-30	GWC-32	GWC-33	GWA-4 (bg)	GWA-2 (bg)
5/3/2017									
5/4/2017									
7/18/2017	0.027 (J)								
7/19/2017									
8/1/2017	<0.05								
8/4/2017							<0.05		
10/3/2017	<0.05	<0.05		<0.05				<0.05	<0.05
10/4/2017			<0.05		<0.05				
10/5/2017							0.025 (J)		
10/6/2017						<0.05			
1/19/2018	<0.05	<0.05	<0.05	<0.05					<0.05
1/22/2018								<0.05	
1/23/2018						<0.05	<0.05		
1/24/2018					<0.05				
1/25/2018									
1/26/2018									
6/19/2018	<0.05	<0.05	<0.05					<0.05	<0.05
6/20/2018									
6/21/2018					<0.05				
6/25/2018									
6/26/2018						<0.05	<0.05		
6/27/2018				<0.05					
9/25/2018	<0.05	<0.05	<0.05					<0.05	<0.05
9/26/2018									
9/27/2018				<0.05					
9/28/2018									
10/1/2018									
10/2/2018						<0.05	<0.05		
10/3/2018					<0.05				
1/17/2019			<0.05					<0.05	<0.05
1/18/2019	<0.05								
1/21/2019		<0.05							
1/22/2019									
1/24/2019				<0.05					
1/25/2019									
1/28/2019									
1/30/2019					<0.05	<0.05	<0.05		
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 (mg/L) Analysis Run 4/3/2023 9:21 AM View: PLs Interwell App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWA-29 (bg)	GWA-28 (bg)	GWA-1 (bg)	GWC-27	GWC-30	GWC-32	GWC-33	GWA-4 (bg)	GWA-2 (bg)
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									
5/3/2022									
5/4/2022									
8/9/2022	<0.08	<0.08	<0.08					<0.08	<0.08
8/10/2022				<0.08	<0.08	<0.08			
8/11/2022									
8/15/2022							<0.08		
8/16/2022									
8/17/2022									
8/18/2022									
2/13/2023	<0.08								
2/14/2023		<0.08	<0.08		<0.08			<0.08	<0.08
2/15/2023						<0.08			
2/16/2023									
2/17/2023									
2/20/2023				<0.08			0.022 (J)		
2/21/2023									
2/22/2023									

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/3/2023 9:21 AM View: PLs Interwell App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-26	GWC-34	GWC-35	GWC-5	GWC-6	GWC-25	GWC-13	GWC-7	GWC-11
3/22/2016									
3/23/2016									
3/24/2016	<0.1	<0.1	<0.1						
3/28/2016				<0.1	<0.1	<0.1			
3/29/2016							<0.1	<0.1	<0.1
3/30/2016									
3/31/2016									
5/19/2016									
5/20/2016									
5/23/2016		<0.1	<0.1	<0.1					
5/24/2016					<0.1			<0.1	
5/25/2016	<0.1					<0.1	<0.1		<0.1
5/26/2016									
7/21/2016		<0.05	<0.05	<0.05	<0.05				
7/22/2016								<0.05	
7/25/2016									<0.05
7/26/2016	<0.05						<0.05		
7/27/2016						<0.05			
9/14/2016									
9/15/2016		<0.05	<0.05	<0.05	<0.05		<0.05	<0.05	
9/16/2016									
9/19/2016	<0.05					<0.05			<0.05
9/20/2016									
11/9/2016									
11/10/2016									
11/11/2016									
11/14/2016	<0.05								
11/15/2016		<0.05	<0.05	<0.05		<0.05			
11/16/2016					<0.05			<0.05	<0.05
11/17/2016							<0.05		
11/18/2016									
1/17/2017									
1/19/2017	<0.05								
1/20/2017									
1/24/2017						<0.05			
1/25/2017		<0.05							
1/26/2017			<0.05	<0.05	<0.05			<0.05	
1/31/2017							<0.05		<0.05
2/1/2017									
2/2/2017									
2/3/2017									
3/16/2017	<0.05								
3/17/2017									
3/22/2017		<0.05	<0.05	<0.05	<0.05			<0.05	
3/23/2017						<0.05	<0.05		<0.05
3/24/2017									
3/28/2017									
3/29/2017									
4/27/2017									
4/28/2017									
5/1/2017	<0.05	<0.05							
5/2/2017			<0.05	<0.05	<0.05	<0.05		<0.05	<0.05

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/3/2023 9:21 AM View: PLs Interwell App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-26	GWC-34	GWC-35	GWC-5	GWC-6	GWC-25	GWC-13	GWC-7	GWC-11
5/3/2017							<0.05		
5/4/2017									
7/18/2017									
7/19/2017									
8/1/2017									
8/4/2017									
10/3/2017		<0.05	<0.05	<0.05	<0.05			<0.05	
10/4/2017	<0.05								0.022 (J)
10/5/2017						<0.05	<0.05		
10/6/2017									
1/19/2018									
1/22/2018	<0.05								
1/23/2018		<0.05	<0.05	<0.05	<0.05			<0.05	
1/24/2018									<0.05
1/25/2018						<0.05	<0.05		
1/26/2018									
6/19/2018			<0.05						
6/20/2018		<0.05					<0.05		<0.05
6/21/2018									
6/25/2018				<0.05	<0.05			<0.05	
6/26/2018									
6/27/2018	<0.05					<0.05			
9/25/2018					<0.05				
9/26/2018						0.023 (J)			
9/27/2018	<0.05								<0.05
9/28/2018									
10/1/2018			<0.05						
10/2/2018		<0.05					<0.05	<0.05	
10/3/2018				<0.05					
1/17/2019									
1/18/2019									
1/21/2019			<0.05					<0.05	
1/22/2019							<0.05		
1/24/2019	<0.05					<0.05			<0.05
1/25/2019									
1/28/2019		<0.05							
1/30/2019				<0.05	<0.05				
1/31/2019									
6/24/2019									
6/25/2019	<0.08					<0.08	<0.08	<0.08	
6/26/2019		<0.08	<0.08	0.045 (J)	0.044 (J)				<0.08
6/27/2019									
9/9/2019									
9/10/2019								<0.08	
9/11/2019		<0.08				<0.08			
9/12/2019	<0.08		<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	<0.08	
3/13/2020	<0.08								

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/3/2023 9:21 AM View: PLs Interwell App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-26	GWC-34	GWC-35	GWC-5	GWC-6	GWC-25	GWC-13	GWC-7	GWC-11
3/16/2020				<0.08	<0.08				<0.08
3/17/2020									
3/18/2020									
9/9/2020				<0.08					
9/10/2020							<0.08		<0.08
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	
3/17/2021	<0.08			<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	
8/20/2021									
8/23/2021							<0.08		<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)
3/8/2022						<0.08	<0.08		
3/9/2022	0.066 (J)								
3/10/2022									
5/3/2022									
5/4/2022									
8/9/2022									
8/10/2022	<0.08	<0.08				<0.08			
8/11/2022				<0.08	<0.08			<0.08	
8/15/2022			<0.08				<0.08		<0.08
8/16/2022									
8/17/2022									
8/18/2022									
2/13/2023									
2/14/2023									
2/15/2023									
2/16/2023									
2/17/2023									
2/20/2023		<0.08	0.024 (J)	<0.08	0.022 (J)				
2/21/2023	<0.08					<0.08	<0.08	<0.08	<0.08
2/22/2023									

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/3/2023 9:21 AM View: PLs Interwell App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-12	GWC-23	GWC-8	GWC-9	GWC-15	GWC-17	GWC-18	GWC-31	GWC-19
3/22/2016									
3/23/2016									
3/24/2016									
3/28/2016									
3/29/2016	<0.1	<0.1	<0.1	0.0635 (J)					
3/30/2016					0.0787 (J)	<0.1	<0.1	<0.1	<0.1
3/31/2016									
5/19/2016									
5/20/2016									
5/23/2016									
5/24/2016			0.022 (J)	0.0981 (J)					
5/25/2016	<0.1	<0.1			0.0536 (J)	<0.1		<0.1	
5/26/2016							<0.1		<0.1
7/21/2016									
7/22/2016	<0.05								
7/25/2016				0.26			<0.05		<0.05
7/26/2016			<0.05		<0.05				
7/27/2016		<0.05				<0.05		<0.05	
9/14/2016									
9/15/2016	<0.05								
9/16/2016									
9/19/2016			<0.05	0.38		<0.05	<0.05		<0.05
9/20/2016		<0.05			<0.05				
11/9/2016									
11/10/2016									
11/11/2016									
11/14/2016									
11/15/2016									
11/16/2016	<0.05		<0.05	0.44					
11/17/2016					<0.05	<0.05	<0.05		<0.05
11/18/2016		<0.05							
1/17/2017									
1/19/2017									
1/20/2017									
1/24/2017									
1/25/2017								<0.05	
1/26/2017			<0.05						
1/31/2017	<0.05			0.11					
2/1/2017					0.023 (J)	<0.05	<0.05		
2/2/2017									<0.05
2/3/2017		<0.05							
3/16/2017									
3/17/2017									
3/22/2017									
3/23/2017	<0.05		<0.05	0.071	0.042 (J)			<0.05	
3/24/2017						<0.05	<0.05		<0.05
3/28/2017		<0.05							
3/29/2017									
4/27/2017									
4/28/2017									
5/1/2017									
5/2/2017				0.089				<0.05	

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/3/2023 9:21 AM View: PLs Interwell App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-12	GWC-23	GWC-8	GWC-9	GWC-15	GWC-17	GWC-18	GWC-31	GWC-19
5/3/2017	<0.05		<0.05		0.034 (J)	<0.05	<0.05		<0.05
5/4/2017		<0.05							
7/18/2017									
7/19/2017								<0.05	
8/1/2017									
8/4/2017								<0.05	
10/3/2017				0.12					
10/4/2017	0.022 (J)				0.044 (J)	<0.05			
10/5/2017		<0.05	<0.05				<0.05		<0.05
10/6/2017								<0.05	
1/19/2018									
1/22/2018									
1/23/2018								<0.05	
1/24/2018	0.023 (J)		<0.05	0.044 (J)					
1/25/2018		<0.05			0.052	<0.05	<0.05		<0.05
1/26/2018									
6/19/2018									
6/20/2018		<0.05			<0.05				
6/21/2018			<0.05	0.07			<0.05		<0.05
6/25/2018									
6/26/2018	0.024 (J)					<0.05			
6/27/2018								<0.05	
9/25/2018									
9/26/2018			<0.05	0.14					
9/27/2018									<0.05
9/28/2018	<0.05						<0.05		
10/1/2018		<0.05			0.03 (J)				
10/2/2018						<0.05			
10/3/2018								<0.05	
1/17/2019									
1/18/2019									
1/21/2019									
1/22/2019			<0.05	0.038 (J)	0.1				
1/24/2019						<0.05			
1/25/2019	0.036 (J)	<0.05							
1/28/2019							<0.05		<0.05
1/30/2019									
1/31/2019								<0.05	
6/24/2019									
6/25/2019			<0.08	0.068 (J)	0.066 (J)	<0.08			
6/26/2019	0.057 (J)	<0.08						<0.08	0.036 (J)
6/27/2019							<0.08		
9/9/2019									
9/10/2019			<0.08						
9/11/2019	0.042 (J)					<0.08	<0.08	<0.08	
9/12/2019		<0.08							<0.08
9/16/2019				0.19					
9/17/2019					<0.08				
3/10/2020									
3/11/2020									
3/12/2020			<0.08						
3/13/2020									

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/3/2023 9:21 AM View: PLs Interwell App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-12	GWC-23	GWC-8	GWC-9	GWC-15	GWC-17	GWC-18	GWC-31	GWC-19
3/16/2020				0.052 (J)	0.14				
3/17/2020						<0.08	<0.08	<0.08	
3/18/2020	0.058 (J)	<0.08							<0.08
9/9/2020									
9/10/2020	0.043 (J)	<0.08			0.064 (J)				
9/11/2020				0.14				<0.08	
9/14/2020			<0.08			<0.08	<0.08		
9/15/2020									<0.08
9/16/2020									
3/15/2021									
3/16/2021	<0.08		<0.08	0.05 (J)		<0.08	<0.08	<0.08	
3/17/2021									<0.08
3/18/2021		<0.08			0.071 (J)				
8/16/2021									
8/18/2021									
8/19/2021	0.077 (J)								
8/20/2021			0.04 (J)			<0.08			
8/23/2021		<0.08							
8/24/2021					0.047 (J)		<0.08		<0.08
8/25/2021				0.083				<0.08	
2/28/2022									
3/1/2022									
3/2/2022			<0.08						
3/7/2022	0.11				0.14				
3/8/2022						<0.08	<0.08		<0.08
3/9/2022		<0.08		<0.08					
3/10/2022								<0.08	
5/3/2022	0.075 (J)								
5/4/2022					0.13				
8/9/2022									
8/10/2022									
8/11/2022			<0.08			<0.08	<0.08		<0.08
8/15/2022									
8/16/2022	0.088	<0.08		0.075 (J)	<0.08			<0.08	
8/17/2022									
8/18/2022									
2/13/2023									
2/14/2023									
2/15/2023	0.077 (J)		<0.08	0.041 (J)					
2/16/2023									
2/17/2023									
2/20/2023						<0.08	<0.08		
2/21/2023		<0.08			0.04 (J)				<0.08
2/22/2023								<0.08	

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/3/2023 9:21 AM View: PLs Interwell App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-10	GWC-20	GWC-24	GWC-16	GWC-14	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	<0.1	<0.1	<0.1	<0.1	0.291	<0.1		
3/31/2016							<0.1	<0.1
5/19/2016								
5/20/2016								
5/23/2016								
5/24/2016								
5/25/2016	<0.1		<0.1	<0.1	0.443			<0.1
5/26/2016		<0.1				<0.1	<0.1	
7/21/2016								
7/22/2016								
7/25/2016		<0.05						
7/26/2016					1.1	<0.05	<0.05	
7/27/2016	<0.05		<0.05	<0.05				<0.05
9/14/2016								
9/15/2016					0.61			
9/16/2016	<0.05		<0.05	<0.05				
9/19/2016								
9/20/2016		<0.05				<0.05	<0.05	
11/9/2016								
11/10/2016								
11/11/2016								
11/14/2016								
11/15/2016								
11/16/2016								
11/17/2016	<0.05	<0.05		<0.05	1	<0.05	<0.05	
11/18/2016			<0.05					
1/17/2017								
1/19/2017								
1/20/2017								
1/24/2017								
1/25/2017								
1/26/2017								
1/31/2017								
2/1/2017	<0.05			<0.05	0.29			
2/2/2017		<0.05				<0.05		
2/3/2017			<0.05				<0.05	
3/16/2017								
3/17/2017								
3/22/2017								
3/23/2017					0.44			
3/24/2017	<0.05			<0.05				
3/28/2017		<0.05				<0.05	<0.05	
3/29/2017			<0.05					
4/27/2017								
4/28/2017								
5/1/2017								
5/2/2017								



# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/3/2023 9:21 AM View: PLs Interwell App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-10	GWC-20	GWC-24	GWC-16	GWC-14	GWC-21	GWC-22	GWA-3 (bg)
5/3/2017	<0.05			<0.05	0.44		<0.05	
5/4/2017		<0.05	<0.05			<0.05		
7/18/2017								
7/19/2017								
8/1/2017								<0.05
8/4/2017								
10/3/2017								<0.05
10/4/2017	<0.05				0.95			
10/5/2017			<0.05	<0.05			<0.05	
10/6/2017		<0.05				<0.05		
1/19/2018								
1/22/2018								
1/23/2018								
1/24/2018								
1/25/2018	<0.05		<0.05	<0.05	0.43		<0.05	
1/26/2018		<0.05				<0.05		
6/19/2018								
6/20/2018				<0.05	1.2	<0.05	<0.05	<0.05
6/21/2018	<0.05	<0.05						
6/25/2018								
6/26/2018								
6/27/2018			<0.05					
9/25/2018								
9/26/2018								
9/27/2018	<0.05	<0.05				<0.05		
9/28/2018			<0.05					
10/1/2018				<0.05	0.57		<0.05	
10/2/2018								
10/3/2018								
1/17/2019								
1/18/2019								<0.05
1/21/2019								
1/22/2019					0.63			
1/24/2019						<0.05	<0.05	
1/25/2019				<0.05				
1/28/2019		<0.05						
1/30/2019								
1/31/2019	<0.05		<0.05					
6/24/2019								
6/25/2019		<0.08		<0.08	0.71	<0.08	<0.08	<0.08
6/26/2019	0.053 (J)		<0.08					
6/27/2019								
9/9/2019								
9/10/2019							<0.08	
9/11/2019		<0.08	0.053 (J)	<0.08		<0.08		<0.08
9/12/2019					1.8			
9/16/2019								
9/17/2019	<0.08							
3/10/2020								<0.08
3/11/2020								
3/12/2020			<0.08					
3/13/2020								

# Prediction Limit

Constituent: Boron (mg/L) Analysis Run 4/3/2023 9:21 AM View: PLs Interwell App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-10	GWC-20	GWC-24	GWC-16	GWC-14	GWC-21	GWC-22	GWA-3 (bg)
3/16/2020								
3/17/2020	<0.08			<0.08	1.2			
3/18/2020		<0.08				<0.08	0.041 (J)	
9/9/2020								<0.08
9/10/2020	<0.08				1.1		<0.08	
9/11/2020				<0.08				
9/14/2020								
9/15/2020		<0.08	<0.08			<0.08		
9/16/2020								
3/15/2021							<0.08	<0.08
3/16/2021		<0.08				<0.08		
3/17/2021				<0.08	1			
3/18/2021	<0.08		<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			<0.08				
8/23/2021					0.61			
8/24/2021		<0.08						
8/25/2021								
2/28/2022								
3/1/2022								<0.08
3/2/2022								
3/7/2022		<0.08			1	<0.08		
3/8/2022	<0.08			<0.08			<0.08	
3/9/2022								
3/10/2022			<0.08					
5/3/2022					1.3			
5/4/2022								
8/9/2022								<0.08
8/10/2022								
8/11/2022								
8/15/2022								
8/16/2022	<0.08	<0.08		<0.08	1.2	<0.08		
8/17/2022							<0.08	
8/18/2022			<0.08					
2/13/2023								
2/14/2023							<0.08	<0.08
2/15/2023	<0.08							
2/16/2023			0.036 (J)					
2/17/2023					0.65			
2/20/2023				<0.08				
2/21/2023						<0.08		
2/22/2023		<0.08						

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/3/2023 9:21 AM 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 (mg/L) Analysis Run 4/3/2023 9:21 AM 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 (mg/L) Analysis Run 4/3/2023 9:21 AM View: PLs Interwell App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-35	GWC-34	GWC-26	GWC-25	GWC-6	GWC-5	GWC-7	GWC-8	GWC-12
3/22/2016									
3/23/2016									
3/24/2016	1.97	3.27	1.72						
3/28/2016				12.3	10.8	23.9			
3/29/2016							70.8	27.2	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		63.2	30.8	
5/25/2016			1.68	7.2					38.3
5/26/2016									
7/21/2016	1.7	2.6			12	21			
7/22/2016							56		32
7/25/2016									
7/26/2016			1.4					24	
7/27/2016				5.4					
9/14/2016									
9/15/2016	1.9	2.9			16	20	60		33
9/16/2016									
9/19/2016			1.5	8.4				30	
9/20/2016									
11/9/2016									
11/10/2016									
11/11/2016									
11/14/2016			1.8						
11/15/2016	1.8	2.5		10		20			
11/16/2016					14		59	30	34
11/17/2016									
11/18/2016									
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				13	16	61	29	
1/31/2017									40
2/1/2017									
2/2/2017									
2/3/2017									
3/16/2017			1.7						
3/17/2017									
3/22/2017	1.8	2.7			12	17	56		
3/23/2017				13				33	37
3/24/2017									
3/28/2017									
3/29/2017									
4/27/2017									
4/28/2017									
5/1/2017		3.1	1.6						
5/2/2017	2.1			41	12	38	59		

# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/3/2023 9:21 AM View: PLs Interwell App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-35	GWC-34	GWC-26	GWC-25	GWC-6	GWC-5	GWC-7	GWC-8	GWC-12
5/3/2017								28	41
5/4/2017									
7/18/2017									
7/19/2017									
8/1/2017									
8/4/2017									
10/3/2017	2.1	3.2			14	27	57		
10/4/2017			1.8						40
10/5/2017				11				28	
10/6/2017									
1/19/2018									
1/22/2018			1.9						
1/23/2018	2.2	3			14	31	51		
1/24/2018								25	38
1/25/2018				12					
1/26/2018									
6/19/2018	2								
6/20/2018		3.2							
6/21/2018								29	
6/25/2018					12	35	54		
6/26/2018									38
6/27/2018			1.7	8.5					
9/25/2018					15				
9/26/2018				9.2				34	
9/27/2018			2.1						
9/28/2018									46
10/1/2018	2.1								
10/2/2018		3.1					52		
10/3/2018						32			
1/17/2019									
1/18/2019									
1/21/2019	2						52		
1/22/2019								22	
1/24/2019			1.9	5.4					
1/25/2019									46
1/28/2019		2.9							
1/30/2019					12	34			
1/31/2019									
6/24/2019									
6/25/2019			1.8	3.5			50	29	
6/26/2019	2	2.8			12	39			43
6/27/2019									
9/9/2019									
9/10/2019							50	30	
9/11/2019		3.3		6					42
9/12/2019	1.9		1.8		16	31			
9/16/2019									
9/17/2019									
3/10/2020									
3/11/2020	1.8	2.6							
3/12/2020				8.9			47	19	
3/13/2020			2.3						





# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/3/2023 9:21 AM View: PLs Interwell App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-23	GWC-13	GWC-9	GWC-11	GWC-15	GWC-24	GWC-14	GWC-16	GWC-17
3/22/2016									
3/23/2016									
3/24/2016									
3/28/2016									
3/29/2016	3.32	3.91	12.6	15					
3/30/2016					13.3	1.01	13.8	6.72	8.15
3/31/2016									
5/19/2016									
5/20/2016									
5/23/2016									
5/24/2016			14.9						
5/25/2016	3.4	4.06		18.5	10.6	0.69	22.2	7.09	8.68
5/26/2016									
7/21/2016									
7/22/2016									
7/25/2016			23	14					
7/26/2016		3.7			7.2		28		
7/27/2016	2.9					0.4		6.4	7.9
9/14/2016									
9/15/2016		3.7					30		
9/16/2016						1.3		6.7	
9/19/2016			25	18					7.8
9/20/2016	3.3				6.9				
11/9/2016									
11/10/2016									
11/11/2016									
11/14/2016									
11/15/2016									
11/16/2016			28	15					
11/17/2016		3.5			6.1		46	6.3	7.5
11/18/2016	2.9					1.3			
1/17/2017									
1/19/2017									
1/20/2017									
1/24/2017									
1/25/2017									
1/26/2017									
1/31/2017		4.1	18	8					
2/1/2017					9.6		15	6.8	8.7
2/2/2017									
2/3/2017	3.3					1.2			
3/16/2017									
3/17/2017									
3/22/2017									
3/23/2017		3.9	19	9.3	9.9		18		
3/24/2017								6.3	7.5
3/28/2017	3.1								
3/29/2017						1.3			
4/27/2017									
4/28/2017									
5/1/2017									
5/2/2017			18	14					





# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/3/2023 9:21 AM View: PLs Interwell App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-20	GWC-21	GWC-10	GWC-31	GWC-18	GWC-19	GWA-3 (bg)	GWC-22
3/22/2016								
3/23/2016								
3/24/2016								
3/28/2016								
3/29/2016								
3/30/2016	8.78	2.98	27.6	11.3	6.88	8.32		
3/31/2016							39.6	11.5
5/19/2016								
5/20/2016								
5/23/2016								
5/24/2016								
5/25/2016			28.5	12.9			28.3	
5/26/2016	9.13	3.16			6.42	6.78		11.5
7/21/2016								
7/22/2016								
7/25/2016	7.7				5.3	4.7		
7/26/2016		2.9						9.5
7/27/2016			29	12			22	
9/14/2016								
9/15/2016								
9/16/2016			27					
9/19/2016					5.4	4.3		
9/20/2016	8.9	3.6						11
11/9/2016								
11/10/2016								
11/11/2016								
11/14/2016								
11/15/2016								
11/16/2016								
11/17/2016	7.9	2.8	29		5.5	4.1		10
11/18/2016								
1/17/2017								
1/19/2017								
1/20/2017								
1/24/2017								
1/25/2017				8.3				
1/26/2017								
1/31/2017								
2/1/2017			26		7.3			
2/2/2017	8.9	3.3				14		
2/3/2017								11
3/16/2017								
3/17/2017								
3/22/2017								
3/23/2017				10				
3/24/2017			24		6.4	8.7		
3/28/2017	7.9	3.2						9.8
3/29/2017								
4/27/2017								
4/28/2017								
5/1/2017								
5/2/2017				9.8				



# Prediction Limit

Constituent: Calcium (mg/L) Analysis Run 4/3/2023 9:21 AM View: PLs Interwell App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-20	GWC-21	GWC-10	GWC-31	GWC-18	GWC-19	GWA-3 (bg)	GWC-22
3/16/2020								
3/17/2020			15	10	7.6			
3/18/2020	8.9	7.3				11		11
9/9/2020							12	
9/10/2020			29					10
9/11/2020				11				
9/14/2020					7.3			
9/15/2020	8.1	6.4				5.7		
9/16/2020								
3/15/2021							16	11
3/16/2021	8.9	6		9.7	7.8			
3/17/2021						9.6		
3/18/2021			19					
8/16/2021								
8/18/2021							16	
8/19/2021		10						11
8/20/2021			14					
8/23/2021								
8/24/2021	9.2				7.8	9.3		
8/25/2021				9.4				
2/28/2022								
3/1/2022							15	
3/2/2022								
3/7/2022	8.6	6.5						
3/8/2022			16		7.5	9		11
3/9/2022								
3/10/2022				8.3				
8/9/2022							17	
8/10/2022								
8/11/2022					6.6	4.7		
8/15/2022								
8/16/2022	8.8	7	21	7.4				
8/17/2022								9.8
8/18/2022								
2/13/2023								
2/14/2023							18	11
2/15/2023			15					
2/16/2023								
2/17/2023								
2/20/2023					8.5			
2/21/2023		5.7				11		
2/22/2023	9.3			8.6				



# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/3/2023 9:21 AM 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-33	GWC-30	GWC-27	GWC-32
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			1.7				1.2		
10/5/2017						2.1			
10/6/2017									1.1
1/19/2018	1	1.1	1.6		4.3			0.91 (J)	
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	1.7	12	3.6				
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	1.7	17	4.9				
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			1.8	11	3.7				
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			1.7	11	6.1				
6/25/2019	24	1.3							
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	1.1	1.4	2	10	3.9				
3/11/2020							1.5		
3/12/2020						2.4		1.3	





# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/3/2023 9:21 AM View: PLs Interwell App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-34	GWC-35	GWC-26	GWC-6	GWC-25	GWC-5	GWC-8	GWC-23	GWC-11
3/22/2016									
3/23/2016									
3/24/2016	1.2259	4.4998	2.8217						
3/28/2016				5.312	5.992	9.818			
3/29/2016							3.5914	1.9463	3.4214
3/30/2016									
3/31/2016									
5/19/2016									
5/20/2016									
5/23/2016	1.19	4.19				10.4			
5/24/2016				6.21			3.16		
5/25/2016			2.93					1.96	5.33
5/26/2016					8.14				
7/21/2016	1.3	4.4		6.6		11			
7/22/2016									
7/25/2016									5.8
7/26/2016			3				5.9		
7/27/2016					6.3			2.1	
9/14/2016									
9/15/2016	1.2	4		6.1		10			
9/16/2016									
9/19/2016			2.9		5.1		5.4		5.2
9/20/2016								1.9	
11/9/2016									
11/10/2016									
11/11/2016									
11/14/2016			2.8						
11/15/2016	1.2	4.2			3.9	11			
11/16/2016				6.2			6.2		6.7
11/17/2016									
11/18/2016								1.8	
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
2/1/2017									
2/2/2017									
2/3/2017								1.9	
3/16/2017			2.7						
3/17/2017									
3/22/2017	1.1	3.9		5.2		8.7			
3/23/2017					3.2		3.9		2
3/24/2017									
3/28/2017								1.8	
3/29/2017									
4/27/2017									
4/28/2017									
5/1/2017	1.1		2.8						
5/2/2017		4		5.1	3.5	13			3.3

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/3/2023 9:21 AM View: PLs Interwell App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-34	GWC-35	GWC-26	GWC-6	GWC-25	GWC-5	GWC-8	GWC-23	GWC-11
5/3/2017							6.1		
5/4/2017								1.8	
7/18/2017									
7/19/2017									
8/1/2017									
8/4/2017									
8/24/2017									
10/3/2017	1.1	3.8		5.4		12			
10/4/2017			2.8						3.5
10/5/2017					3.5		6.4	1.8	
10/6/2017									
1/19/2018									
1/22/2018			2.6						
1/23/2018	0.95 (J)	3.5		5.1		13			
1/24/2018							3.5		2.3
1/25/2018					3.6			1.6	
1/26/2018									
6/19/2018		3.4							
6/20/2018	1.1							1.9	3.1
6/21/2018							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		
9/27/2018			3						3.3
9/28/2018									
10/1/2018		3.6						1.9	
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		
1/24/2019			3.1		8.7				0.94 (J)
1/25/2019								2	
1/28/2019	1.3								
1/30/2019				5.3		15			
1/31/2019									
6/24/2019									
6/25/2019			3		9		3.9		
6/26/2019	1.2	3.4		6		10		2	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		1.9	
9/16/2019									3.1
9/17/2019									
3/10/2020									
3/11/2020	1.4	3.5							
3/12/2020					6.9		2.9		



# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/3/2023 9:21 AM View: PLs Interwell App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-12	GWC-9	GWC-13	GWC-19	GWC-20	GWC-14	GWC-10	GWC-31	GWC-15
3/22/2016									
3/23/2016									
3/24/2016									
3/28/2016									
3/29/2016	10.931	7.395	1.3057						
3/30/2016				2.2278	2.0074	49.11	3.7204	1.9069	9.921
3/31/2016									
5/19/2016									
5/20/2016									
5/23/2016									
5/24/2016		16.4							
5/25/2016	10.5		1.27			65.8	3.89	1.89	6.31
5/26/2016				1.53	2				
7/21/2016									
7/22/2016	13								
7/25/2016		55		1.5	2.1				
7/26/2016			1.4			64			3.6
7/27/2016							6.5		
9/14/2016									
9/15/2016	13		1.3			110			
9/16/2016							5.9		
9/19/2016		73		1.4					
9/20/2016					2				2.7
11/9/2016									
11/10/2016									
11/11/2016									
11/14/2016									
11/15/2016									
11/16/2016	14	83							
11/17/2016			1.2	1.4	1.9	180	7.9		2.5
11/18/2016									
1/17/2017									
1/19/2017									
1/20/2017									
1/24/2017									
1/25/2017								1.9	
1/26/2017									
1/31/2017	17	17	1.2						
2/1/2017						46	4.9		5.4
2/2/2017				3.1	1.9				
2/3/2017									
3/16/2017									
3/17/2017									
3/22/2017									
3/23/2017	20	8.2	1.2			68			6.6
3/24/2017				2.1			2.6		
3/28/2017					1.8				
3/29/2017									
4/27/2017									
4/28/2017									
5/1/2017									
5/2/2017		11							

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/3/2023 9:21 AM View: PLs Interwell App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-12	GWC-9	GWC-13	GWC-19	GWC-20	GWC-14	GWC-10	GWC-31	GWC-15
5/3/2017	18		1.1	1.8		49	3.9		5.1
5/4/2017					1.9				
7/18/2017								1.6	
7/19/2017									
8/1/2017									
8/4/2017									
8/24/2017									
10/3/2017		10							
10/4/2017	18					160	3.9		4.2
10/5/2017			1.1	1.6					
10/6/2017					1.8			1.7	
1/19/2018									
1/22/2018									
1/23/2018								1.4	
1/24/2018	19	5.6							
1/25/2018			1	1.7		52	4.2		6.5
1/26/2018					1.6				
6/19/2018									
6/20/2018			1.2			150			3.4
6/21/2018		4.5		1.6	1.9		4.6		
6/25/2018									
6/26/2018	20								
6/27/2018								1.5	
9/25/2018									
9/26/2018		19							
9/27/2018				1.3	1.8		5.4		
9/28/2018	21								
10/1/2018						74			4.3
10/2/2018			1.3						
10/3/2018								1.7	
1/17/2019									
1/18/2019									
1/21/2019									
1/22/2019		2.3	1.2			80			9.1
1/24/2019									
1/25/2019	23								
1/28/2019				2.2	2				
1/30/2019									
1/31/2019							4	1.3	
6/24/2019									
6/25/2019		7.7	1.3		1.9	82			5.8
6/26/2019	21			1.5			4.2	1.5	
6/27/2019									
9/9/2019									
9/10/2019									
9/11/2019	23				1.9				
9/12/2019			1	1.3		190			
9/16/2019		29							
9/17/2019							3.6		2.8
3/10/2020									
3/11/2020									
3/12/2020			1.3						

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/3/2023 9:21 AM View: PLs Interwell App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-12	GWC-9	GWC-13	GWC-19	GWC-20	GWC-14	GWC-10	GWC-31	GWC-15
3/13/2020									
3/16/2020		2.3							9.5
3/17/2020						120	3.7	1.6	
3/18/2020	22			2.5	2.1				
9/9/2020									
9/10/2020	25		1.4			140	4.6		3.7
9/11/2020		17						1.7	
9/14/2020									
9/15/2020				1.4	2				
9/16/2020									
3/15/2021									
3/16/2021	27	3.3			2			1.4	
3/17/2021			1.4	2.2		140			
3/18/2021							3.2		6.3
8/16/2021									
8/18/2021									
8/19/2021	27								
8/20/2021							4.8		
8/23/2021			1.3			99			
8/24/2021				1.9	2.5				5.1
8/25/2021		7.4						1.5	
2/28/2022									
3/1/2022									
3/2/2022									
3/7/2022	33				2.3	160			8.8
3/8/2022			1.4	1.5			4.8		
3/9/2022		4							
3/10/2022								0.94 (J)	
8/9/2022									
8/10/2022									
8/11/2022				1.2					
8/15/2022			1.3						
8/16/2022	31	11			1.9	150	3.7	1.6	3.7
8/17/2022									
8/18/2022									
2/13/2023									
2/14/2023									
2/15/2023	25	4					4.8		
2/16/2023									
2/17/2023						84			
2/20/2023									
2/21/2023			1.1	1.7					3
2/22/2023					1.7			1	

# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/3/2023 9:21 AM View: PLs Interwell App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-16	GWC-21	GWC-18	GWC-24	GWC-17	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	1.4751	3.9326	1.9012	4.6264	1.3046			
3/31/2016						8.3045	1.8479	
5/19/2016								
5/20/2016								
5/23/2016								
5/24/2016								32.8
5/25/2016	1.43			4.6	1.31	10.1		
5/26/2016		3.59	1.78				1.71	
7/21/2016								
7/22/2016								31
7/25/2016			1.7					
7/26/2016		3.3					1.8	
7/27/2016	1.7			4.9	1.4	10		
9/14/2016								
9/15/2016								29
9/16/2016	1.5			3.6				
9/19/2016			1.6		1.3			
9/20/2016		3.1					1.7	
11/9/2016								
11/10/2016								
11/11/2016								
11/14/2016								
11/15/2016								
11/16/2016								32
11/17/2016	1.4	3	1.5		1.3		1.7	
11/18/2016				3.4				
1/17/2017								
1/19/2017								
1/20/2017								
1/24/2017								
1/25/2017								
1/26/2017								29
1/31/2017								
2/1/2017	1.4		1.9		1.2			
2/2/2017		<1						
2/3/2017				3.6			1.6	
3/16/2017								
3/17/2017								
3/22/2017								28
3/23/2017								
3/24/2017	1.3		1.8		1.1			
3/28/2017		3.4					1.5	
3/29/2017				3.2				
4/27/2017								
4/28/2017								
5/1/2017								
5/2/2017								26



# Prediction Limit

Constituent: Chloride (mg/L) Analysis Run 4/3/2023 9:21 AM View: PLs Interwell App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-16	GWC-21	GWC-18	GWC-24	GWC-17	GWA-3 (bg)	GWC-22	GWC-7
5/3/2017	1.3		1.6		1.2		1.5	
5/4/2017		3.4		3.2				
7/18/2017								
7/19/2017								
8/1/2017								
8/4/2017								
8/24/2017								
10/3/2017						9.5		23
10/4/2017					1.1			
10/5/2017	1.3		1.5	3.3			1.5	
10/6/2017		3.2						
1/19/2018								
1/22/2018								
1/23/2018								18
1/24/2018								
1/25/2018	1.2		1.6	3.1	0.99 (J)		1.3	
1/26/2018		3.3						
6/19/2018								
6/20/2018	1.3	3.5				12	1.5	
6/21/2018			1.5					
6/25/2018								19
6/26/2018					1.1			
6/27/2018				3.8				
9/25/2018								
9/26/2018								
9/27/2018		3.1						
9/28/2018			1.6	3.8				
10/1/2018	1.4						1.6	
10/2/2018					1.2			19
10/3/2018								
1/17/2019								
1/18/2019						19		
1/21/2019								17
1/22/2019								
1/24/2019		4.1			1.2		1.6	
1/25/2019	1.5							
1/28/2019			1.7					
1/30/2019								
1/31/2019				4.1				
6/24/2019								
6/25/2019	1.5	3.5			1.2	<1	1.7	16
6/26/2019				4.4				
6/27/2019			1.6					
9/9/2019								
9/10/2019							1.6	15
9/11/2019	1.6	2.9	1.5	4.2	1.1	22		
9/12/2019								
9/16/2019								
9/17/2019								
3/10/2020						43		
3/11/2020								
3/12/2020				4.2				13



# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/3/2023 9:21 AM 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		<0.2	<0.2			0.11 (J)		
7/22/2016						3.5			
7/25/2016		1.7							
7/26/2016					<0.2				1.2
7/27/2016									
9/14/2016				<0.2					
9/15/2016		1.6	<0.2						
9/16/2016					<0.2	3.5			
9/19/2016									0.64
9/20/2016							0.092 (J)		
11/9/2016		1.7							
11/10/2016				<0.2	<0.2				
11/11/2016			<0.2						1.2
11/14/2016							<0.2		
11/15/2016						3.2			
11/16/2016									
11/17/2016								4.1	
11/18/2016									
1/17/2017	2.6	1.6		<0.2					
1/19/2017			<0.2		<0.2				
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	<0.2	<0.2					0.32
3/17/2017					<0.2		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		<0.2					
4/28/2017			<0.2		<0.2				0.83
5/1/2017							0.092 (J)	4.2	
5/2/2017						3.5			

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/3/2023 9:21 AM 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		<0.2	<0.2				0.18 (J)
10/4/2017			<0.2				0.091 (J)		
10/5/2017								3.9	
10/6/2017						3.5			
1/19/2018	2.1	1.4	<0.2		<0.2				0.6
1/22/2018				<0.2					
1/23/2018						3.1		3.4	
1/24/2018							<0.2		
1/25/2018									
1/26/2018									
6/19/2018	2.3	1.6	<0.2	0.084 (J)	<0.2				
6/20/2018									
6/21/2018							<0.2		
6/25/2018									
6/26/2018						2.6		2.1	
6/27/2018									0.73
9/25/2018	2.3	1.7	<0.2	<0.2	<0.2				
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			<0.2	0.06 (J)	<0.2				
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			<0.2						
9/10/2019	2.6	1.8		0.091 (J)	<0.2		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	<0.2	0.056 (J)	<0.2				
3/11/2020							0.066 (J)		
3/12/2020								2.1	0.044 (J)

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/3/2023 9:21 AM 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									
8/9/2022	1.9	1.5	<0.1	0.066 (J)	<0.1				
8/10/2022						2.1	0.075 (J)		0.67
8/11/2022									
8/15/2022								2.3	
8/16/2022									
8/17/2022									
8/18/2022									
2/13/2023	1.7								
2/14/2023		2	<0.1	0.076 (J)	<0.1		0.091 (J)		
2/15/2023						2.3			
2/16/2023									
2/17/2023									
2/20/2023								2.4	0.16
2/21/2023									
2/22/2023									

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/3/2023 9:21 AM View: PLs Interwell App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-34	GWC-26	GWC-35	GWC-25	GWC-6	GWC-5	GWC-11	GWC-8	GWC-23
3/22/2016									
3/23/2016									
3/24/2016	0.1653 (J)	0.0318 (J)	0.0396 (J)						
3/28/2016				0.0542 (J)	0.0752 (J)	0.1116 (J)			
3/29/2016							0.1377 (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)					0.1521 (J)		0.0285 (J)
5/26/2016				0.034 (J)					
7/21/2016	0.19 (J)		<0.2		0.088 (J)	0.11 (J)			
7/22/2016									
7/25/2016							0.21		
7/26/2016		<0.2						0.092 (J)	
7/27/2016				<0.2					<0.2
9/14/2016									
9/15/2016	0.16 (J)		<0.2		0.084 (J)	0.084 (J)			
9/16/2016									
9/19/2016		<0.2		<0.2			0.15 (J)	<0.2	
9/20/2016									<0.2
11/9/2016									
11/10/2016									
11/11/2016									
11/14/2016		<0.2							
11/15/2016	0.14 (J)		<0.2	<0.2		<0.2			
11/16/2016					<0.2		0.14 (J)	<0.2	
11/17/2016									
11/18/2016									<0.2
1/17/2017									
1/19/2017		<0.2							
1/20/2017									
1/24/2017				<0.2					
1/25/2017	0.16 (J)								
1/26/2017			<0.2		<0.2	<0.2		<0.2	
1/31/2017							<0.2		
2/1/2017									
2/2/2017									
2/3/2017									<0.2
3/16/2017		<0.2							
3/17/2017									
3/22/2017	0.14 (J)		<0.2		<0.2	<0.2			
3/23/2017				<0.2			0.097 (J)	<0.2	
3/24/2017									
3/28/2017									<0.2
3/29/2017									
4/27/2017									
4/28/2017									
5/1/2017	0.16 (J)	<0.2							
5/2/2017			<0.2	<0.2	<0.2	0.1 (J)	0.11 (J)		

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/3/2023 9:21 AM View: PLs Interwell App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-34	GWC-26	GWC-35	GWC-25	GWC-6	GWC-5	GWC-11	GWC-8	GWC-23
5/3/2017								<0.2	
5/4/2017									<0.2
7/18/2017									
7/19/2017									
8/1/2017									
8/4/2017									
8/24/2017									
10/3/2017	0.17 (J)		<0.2		<0.2	0.089 (J)			
10/4/2017		<0.2					0.16 (J)		
10/5/2017				<0.2				0.085 (J)	<0.2
10/6/2017									
1/19/2018									
1/22/2018		<0.2							
1/23/2018	0.13 (J)		<0.2		<0.2	0.085 (J)			
1/24/2018							0.11 (J)	<0.2	
1/25/2018				<0.2					<0.2
1/26/2018									
6/19/2018			<0.2						
6/20/2018	0.18 (J)						0.13 (J)		<0.2
6/21/2018								<0.2	
6/25/2018					<0.2	0.097 (J)			
6/26/2018									
6/27/2018		<0.2		<0.2					
9/25/2018					<0.2				
9/26/2018				<0.2				<0.2	
9/27/2018		<0.2					0.12 (J)		
9/28/2018									
10/1/2018			<0.2						<0.2
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		<0.2		<0.2			0.076 (J)		
1/25/2019									<0.2
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)	0.096 (J)		0.042 (J)
6/27/2019									
9/9/2019									
9/10/2019								0.1 (J)	
9/11/2019	0.15			0.039 (J)					
9/12/2019		<0.1	0.038 (J)		0.076 (J)	0.078 (J)			0.033 (J)
9/16/2019							0.12 (J)		
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 (mg/L) Analysis Run 4/3/2023 9:21 AM View: PLs Interwell App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-34	GWC-26	GWC-35	GWC-25	GWC-6	GWC-5	GWC-11	GWC-8	GWC-23
3/13/2020		0.026 (J)							
3/16/2020					0.073 (J)	0.076 (J)	0.051 (J)		
3/17/2020									
3/18/2020									0.034 (J)
9/9/2020						0.096 (J)			
9/10/2020							0.14		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)					0.044 (J)	
3/17/2021		<0.1		0.03 (J)	0.073 (J)	0.094 (J)	0.08 (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			
8/20/2021								0.1	
8/23/2021							0.21		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							0.14		
3/8/2022				0.057 (J)					
3/9/2022		0.049 (J)							0.049 (J)
3/10/2022									
8/9/2022									
8/10/2022	0.14	<0.1		0.04 (J)					
8/11/2022					0.078 (J)	0.076 (J)		0.069 (J)	
8/15/2022			0.044 (J)				0.061 (J)		
8/16/2022									<0.1
8/17/2022									
8/18/2022									
2/13/2023									
2/14/2023									
2/15/2023								0.063 (J)	
2/16/2023									
2/17/2023									
2/20/2023	0.13		<0.1		0.079 (J)	0.092 (J)			
2/21/2023		<0.1		0.041 (J)			0.061 (J)		<0.1
2/22/2023									



# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/3/2023 9:21 AM View: PLs Interwell App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-7	GWC-12	GWC-9	GWC-13	GWC-31	GWC-21	GWC-10	GWC-18	GWC-14
3/22/2016									
3/23/2016									
3/24/2016									
3/28/2016									
3/29/2016	0.2179 (J)	0.1936 (J)	0.0671 (J)	0.1084 (J)					
3/30/2016					1.5245	0.0137 (J)	1.2013	0.0362 (J)	0.0355 (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		0.1797 (J)		0.1002 (J)	1.65		1.34		0.0265 (J)
5/26/2016						0.014 (J)		0.038 (J)	
7/21/2016									
7/22/2016	0.23	0.22							
7/25/2016			0.096 (J)					<0.2	
7/26/2016				0.12 (J)		<0.2			0.1 (J)
7/27/2016							1.5		
9/14/2016									
9/15/2016	0.22	0.18 (J)		0.1 (J)					<0.2
9/16/2016							1.3		
9/19/2016			<0.2					<0.2	
9/20/2016						<0.2			
11/9/2016									
11/10/2016									
11/11/2016									
11/14/2016									
11/15/2016									
11/16/2016	0.22	0.16 (J)	<0.2						
11/17/2016				0.092 (J)		<0.2	0.76	<0.2	<0.2
11/18/2016									
1/17/2017									
1/19/2017									
1/20/2017									
1/24/2017									
1/25/2017					1.4				
1/26/2017	0.23								
1/31/2017		0.19 (J)	<0.2	0.11 (J)					
2/1/2017							1.3	<0.2	<0.2
2/2/2017						<0.2			
2/3/2017									
3/16/2017									
3/17/2017									
3/22/2017	0.2								
3/23/2017		0.17 (J)	0.12 (J)	0.088 (J)					<0.2
3/24/2017							1.3	<0.2	
3/28/2017						<0.2			
3/29/2017									
4/27/2017									
4/28/2017									
5/1/2017									
5/2/2017	0.21		<0.2						

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/3/2023 9:21 AM View: PLs Interwell App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-7	GWC-12	GWC-9	GWC-13	GWC-31	GWC-21	GWC-10	GWC-18	GWC-14
5/3/2017		0.19 (J)		0.098 (J)			1.1	<0.2	<0.2
5/4/2017						<0.2			
7/18/2017									
7/19/2017					1.6				
8/1/2017									
8/4/2017									
8/24/2017									
10/3/2017	0.23		<0.2						
10/4/2017		0.2					1.2		<0.2
10/5/2017				0.1 (J)				<0.2	
10/6/2017					1.6	<0.2			
1/19/2018									
1/22/2018									
1/23/2018	0.17 (J)				1.5				
1/24/2018		0.16 (J)	<0.2						
1/25/2018				0.1 (J)			0.75	<0.2	<0.2
1/26/2018						<0.2			
6/19/2018									
6/20/2018				0.11 (J)		<0.2			<0.2
6/21/2018			<0.2				0.76	<0.2	
6/25/2018	0.25								
6/26/2018		0.18 (J)							
6/27/2018					1.6				
9/25/2018									
9/26/2018			0.082 (J)						
9/27/2018						<0.2	0.59		
9/28/2018		0.2						<0.2	
10/1/2018									0.083 (J)
10/2/2018	0.25			0.13 (J)					
10/3/2018					1.7				
1/17/2019									
1/18/2019									
1/21/2019	0.22								
1/22/2019			0.065 (J)	0.1 (J)					0.057 (J)
1/24/2019						<0.2			
1/25/2019		0.21							
1/28/2019								<0.2	
1/30/2019									
1/31/2019					1.3		0.78		
6/24/2019									
6/25/2019	0.21		0.066 (J)	0.084 (J)		0.032 (J)			0.054 (J)
6/26/2019		0.16 (J)			1.3		0.68		
6/27/2019								0.046 (J)	
9/9/2019									
9/10/2019	0.28								
9/11/2019		0.17				<0.1		0.036 (J)	
9/12/2019				0.065 (J)					<0.1
9/16/2019			0.062 (J)						
9/17/2019							0.29		
3/10/2020									
3/11/2020									
3/12/2020	0.16			0.044 (J)					

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/3/2023 9:21 AM View: PLs Interwell App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-7	GWC-12	GWC-9	GWC-13	GWC-31	GWC-21	GWC-10	GWC-18	GWC-14
3/13/2020									
3/16/2020			0.08 (J)						
3/17/2020					1.2		0.74	<0.1	0.046 (J)
3/18/2020		0.058 (J)				0.034 (J)			
9/9/2020									
9/10/2020		0.16		0.1			0.81		0.038 (J)
9/11/2020			0.082 (J)		1.5				
9/14/2020	0.19							0.033 (J)	
9/15/2020						<0.1			
9/16/2020									
3/15/2021									
3/16/2021	0.21	0.14	0.043 (J)		1.3	<0.1		0.029 (J)	
3/17/2021				0.1					0.036 (J)
3/18/2021							1.1		
8/16/2021									
8/18/2021									
8/19/2021	0.35	0.26				0.48 (J)			
8/20/2021							0.89		
8/23/2021				0.12					0.068 (J)
8/24/2021								0.083 (J)	
8/25/2021			0.1		1.5				
2/28/2022									
3/1/2022									
3/2/2022	0.16								
3/7/2022		0.18				0.043 (J)			0.071 (J)
3/8/2022				0.13			1.2	0.058 (J)	
3/9/2022			0.068 (J)						
3/10/2022					1.5				
8/9/2022									
8/10/2022									
8/11/2022	0.22							<0.1	
8/15/2022				0.083 (J)					
8/16/2022		0.13	0.076 (J)		1.5	<0.1	1.4		0.041 (J)
8/17/2022									
8/18/2022									
2/13/2023									
2/14/2023									
2/15/2023		0.13	0.062 (J)				0.78		
2/16/2023									
2/17/2023									0.081 (J)
2/20/2023								<0.1	
2/21/2023	0.23			0.086 (J)		<0.1			
2/22/2023					1.3				

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/3/2023 9:21 AM View: PLs Interwell App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-17	GWC-15	GWC-16	GWC-19	GWC-20	GWC-24	GWC-22	GWA-3 (bg)
3/22/2016								
3/23/2016								
3/24/2016								
3/28/2016								
3/29/2016								
3/30/2016	0.0422 (J)	0.0785 (J)	0.0391 (J)	0.0369 (J)	0.04 (J)	0.0255 (J)		
3/31/2016							0.0429 (J)	0.0551 (J)
5/19/2016								
5/20/2016								
5/23/2016								
5/24/2016								
5/25/2016	0.045 (J)	0.0757 (J)	0.034 (J)			0.0182 (J)		0.0485 (J)
5/26/2016				0.031 (J)	0.041 (J)		0.048 (J)	
7/21/2016								
7/22/2016								
7/25/2016				<0.2	<0.2			
7/26/2016		0.11 (J)					<0.2	
7/27/2016	<0.2		<0.2			<0.2		<0.2
9/14/2016								
9/15/2016								
9/16/2016			<0.2			<0.2		
9/19/2016	<0.2			<0.2				
9/20/2016		<0.2			<0.2		<0.2	
11/9/2016								
11/10/2016								
11/11/2016								
11/14/2016								
11/15/2016								
11/16/2016								
11/17/2016	<0.2	<0.2	<0.2	<0.2	<0.2		<0.2	
11/18/2016						<0.2		
1/17/2017								
1/19/2017								
1/20/2017								
1/24/2017								
1/25/2017								
1/26/2017								
1/31/2017								
2/1/2017	<0.2	0.086 (J)	<0.2					
2/2/2017				<0.2	<0.2			
2/3/2017						<0.2	<0.2	
3/16/2017								
3/17/2017								
3/22/2017								
3/23/2017		<0.2						
3/24/2017	<0.2		<0.2	<0.2				
3/28/2017					<0.2		<0.2	
3/29/2017						<0.2		
4/27/2017								
4/28/2017								
5/1/2017								
5/2/2017								

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/3/2023 9:21 AM View: PLs Interwell App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-17	GWC-15	GWC-16	GWC-19	GWC-20	GWC-24	GWC-22	GWA-3 (bg)
5/3/2017	<0.2	<0.2	<0.2	<0.2			<0.2	
5/4/2017					<0.2	<0.2		
7/18/2017								
7/19/2017								
8/1/2017								
8/4/2017								
8/24/2017								
10/3/2017								<0.2
10/4/2017	<0.2	<0.2						
10/5/2017			<0.2	<0.2		<0.2	<0.2	
10/6/2017					<0.2			
1/19/2018								
1/22/2018								
1/23/2018								
1/24/2018								
1/25/2018	<0.2	<0.2	<0.2	<0.2		<0.2	<0.2	
1/26/2018					<0.2			
6/19/2018								
6/20/2018		0.093 (J)	<0.2				<0.2	<0.2
6/21/2018				<0.2	<0.2			
6/25/2018								
6/26/2018	<0.2							
6/27/2018						<0.2		
9/25/2018								
9/26/2018								
9/27/2018				<0.2	<0.2			
9/28/2018						<0.2		
10/1/2018		0.1 (J)	<0.2				<0.2	
10/2/2018	<0.2							
10/3/2018								
1/17/2019								
1/18/2019								0.028 (J)
1/21/2019								
1/22/2019		0.071 (J)						
1/24/2019	<0.2						<0.2	
1/25/2019			0.027 (J)					
1/28/2019				<0.2	<0.2			
1/30/2019								
1/31/2019						<0.2		
6/24/2019								
6/25/2019	0.051 (J)	0.068 (J)	0.052 (J)		0.049 (J)		0.052 (J)	0.03 (J)
6/26/2019				0.046 (J)		0.04 (J)		
6/27/2019								
9/9/2019								
9/10/2019							<0.2	
9/11/2019	0.043 (J)		0.038 (J)		0.039 (J)	<0.1		0.033 (J)
9/12/2019				0.031 (J)				
9/16/2019								
9/17/2019		0.071 (J)						
3/10/2020								0.035 (J)
3/11/2020								
3/12/2020						<0.1		

# Prediction Limit

Constituent: Fluoride (mg/L) Analysis Run 4/3/2023 9:21 AM View: PLs Interwell App III  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

	GWC-17	GWC-15	GWC-16	GWC-19	GWC-20	GWC-24	GWC-22	GWA-3 (bg)
3/13/2020								
3/16/2020		0.07 (J)						
3/17/2020	<0.1		<0.1					
3/18/2020				0.068 (J)	0.048 (J)		0.056 (J)	
9/9/2020								0.032 (J)
9/10/2020		0.08 (J)					0.043 (J)	
9/11/2020			0.04 (J)					
9/14/2020	0.056 (J)							
9/15/2020				<0.1	0.033 (J)	<0.1		
9/16/2020								
3/15/2021							0.045 (J)	0.027 (J)
3/16/2021	0.034 (J)				0.031 (J)			
3/17/2021			0.031 (J)	<0.1				
3/18/2021		0.073 (J)				<0.1		
8/16/2021								
8/18/2021								0.035 (J)
8/19/2021						0.089 (J)	0.031 (J)	
8/20/2021	0.091 (J)		0.065 (J)					
8/23/2021								
8/24/2021		0.13		0.078 (J)	0.077 (J)			
8/25/2021								
2/28/2022								
3/1/2022								<0.1
3/2/2022								
3/7/2022		0.12			0.07 (J)			
3/8/2022	0.057 (J)		0.057 (J)	0.046 (J)			0.054 (J)	
3/9/2022								
3/10/2022						0.037 (J)		
8/9/2022								<0.1
8/10/2022								
8/11/2022	0.041 (J)			<0.1				
8/15/2022								
8/16/2022		0.08 (J)	0.041 (J)		0.041 (J)			
8/17/2022							0.049 (J)	
8/18/2022						0.041 (J)		
2/13/2023								
2/14/2023							0.057 (J)	0.052 (J)
2/15/2023								
2/16/2023						<0.1		
2/17/2023								
2/20/2023	0.046 (J)		0.046 (J)					
2/21/2023		0.077 (J)		<0.1				
2/22/2023					<0.1			

FIGURE H.

# Trend Test - Significant Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 3/29/2023, 1:37 PM

<u>Constituent</u>	<u>Well</u>	<u>Slope</u>	<u>Calc.</u>	<u>Critical</u>	<u>Sig.</u>	<u>N</u>	<u>%NDs</u>	<u>Normality</u>	<u>Xform</u>	<u>Alpha</u>	<u>Method</u>
Barium (mg/L)	GWC-19	0.00665	236	167	Yes	33	3.03	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-34	0.0002094	246	161	Yes	32	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-35	0.0002344	207	167	Yes	33	0	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-1 (bg)	-0.0001556	-162	-118	Yes	26	61.54	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-2 (bg)	-0.00016	-197	-118	Yes	26	42.31	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-29 (bg)	-0.0002709	-170	-118	Yes	26	11.54	n/a	n/a	0.01	NP
Nickel (mg/L)	GWA-4 (bg)	-0.00004687	-106	-105	Yes	24	50	n/a	n/a	0.01	NP



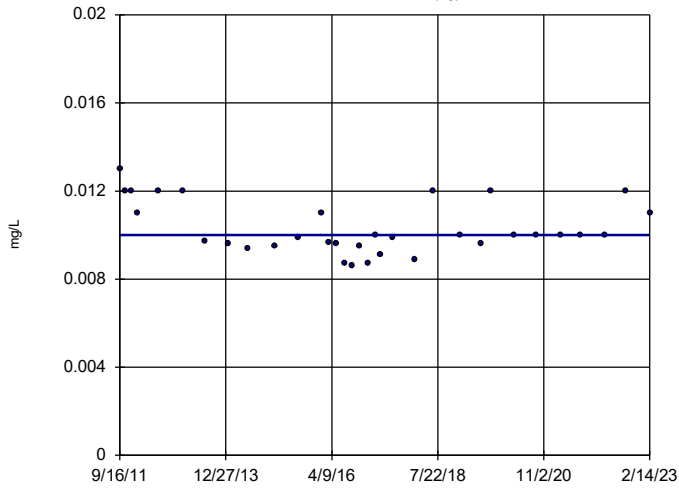
# Trend Test - All Results

Plant Wansley Client: Southern Company Data: Wansley Landfill Printed 3/29/2023, 1:37 PM

Constituent	Well	Slope	Calc.	Critical	Sig.	N	%NDs	Normality	Xform	Alpha	Method
Barium (mg/L)	GWA-1 (bg)	0	-21	-167	No	33	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-2 (bg)	-0.000181	-63	-167	No	33	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-28 (bg)	0	72	167	No	33	45.45	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-29 (bg)	0.00004015	59	152	No	31	29.03	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-3 (bg)	0.006887	60	74	No	19	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWA-4 (bg)	0.003559	161	167	No	33	0	n/a	n/a	0.01	NP
Barium (mg/L)	GWC-17	0.0001117	126	167	No	33	0	n/a	n/a	0.01	NP
<b>Barium (mg/L)</b>	<b>GWC-19</b>	<b>0.00665</b>	<b>236</b>	<b>167</b>	<b>Yes</b>	<b>33</b>	<b>3.03</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Barium (mg/L)</b>	<b>GWC-34</b>	<b>0.0002094</b>	<b>246</b>	<b>161</b>	<b>Yes</b>	<b>32</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Barium (mg/L)</b>	<b>GWC-35</b>	<b>0.0002344</b>	<b>207</b>	<b>167</b>	<b>Yes</b>	<b>33</b>	<b>0</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Boron (mg/L)	GWA-1 (bg)	0	-13	-92	No	22	90.91	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-2 (bg)	0	0	92	No	22	100	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-28 (bg)	0	0	92	No	22	100	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-29 (bg)	0	10	87	No	21	95.24	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-3 (bg)	0	0	58	No	16	100	n/a	n/a	0.01	NP
Boron (mg/L)	GWA-4 (bg)	0	0	92	No	22	100	n/a	n/a	0.01	NP
Boron (mg/L)	GWC-14	0.08659	92	98	No	23	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-1 (bg)	0.03713	71	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-2 (bg)	0.1218	35	92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-28 (bg)	0	-45	-92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-29 (bg)	-0.04597	-82	-87	No	21	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-3 (bg)	5.222	53	53	No	15	6.667	n/a	n/a	0.01	NP
Chloride (mg/L)	GWA-4 (bg)	-0.893	-82	-92	No	22	0	n/a	n/a	0.01	NP
Chloride (mg/L)	GWC-14	9.234	84	92	No	22	0	n/a	n/a	0.01	NP
<b>Nickel (mg/L)</b>	<b>GWA-1 (bg)</b>	<b>-0.0001556</b>	<b>-162</b>	<b>-118</b>	<b>Yes</b>	<b>26</b>	<b>61.54</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
<b>Nickel (mg/L)</b>	<b>GWA-2 (bg)</b>	<b>-0.00016</b>	<b>-197</b>	<b>-118</b>	<b>Yes</b>	<b>26</b>	<b>42.31</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Nickel (mg/L)	GWA-28 (bg)	0	-50	-118	No	26	76.92	n/a	n/a	0.01	NP
<b>Nickel (mg/L)</b>	<b>GWA-29 (bg)</b>	<b>-0.0002709</b>	<b>-170</b>	<b>-118</b>	<b>Yes</b>	<b>26</b>	<b>11.54</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Nickel (mg/L)	GWA-3 (bg)	-0.00008283	-17	-53	No	15	20	n/a	n/a	0.01	NP
<b>Nickel (mg/L)</b>	<b>GWA-4 (bg)</b>	<b>-0.00004687</b>	<b>-106</b>	<b>-105</b>	<b>Yes</b>	<b>24</b>	<b>50</b>	<b>n/a</b>	<b>n/a</b>	<b>0.01</b>	<b>NP</b>
Nickel (mg/L)	GWC-19	0	-15	-118	No	26	65.38	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-1 (bg)	-0.000006456	-8	-111	No	25	16	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-2 (bg)	-0.00001948	-47	-118	No	26	34.62	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-28 (bg)	0.0004298	113	118	No	26	15.38	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-29 (bg)	-0.000553	-43	-118	No	26	0	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-3 (bg)	0.001041	31	53	No	15	13.33	n/a	n/a	0.01	NP
Zinc (mg/L)	GWA-4 (bg)	0	-10	-105	No	24	54.17	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-22	0	12	118	No	26	69.23	n/a	n/a	0.01	NP
Zinc (mg/L)	GWC-9	0.00009744	55	118	No	26	34.62	n/a	n/a	0.01	NP

### Sen's Slope Estimator

GWA-1 (bg)

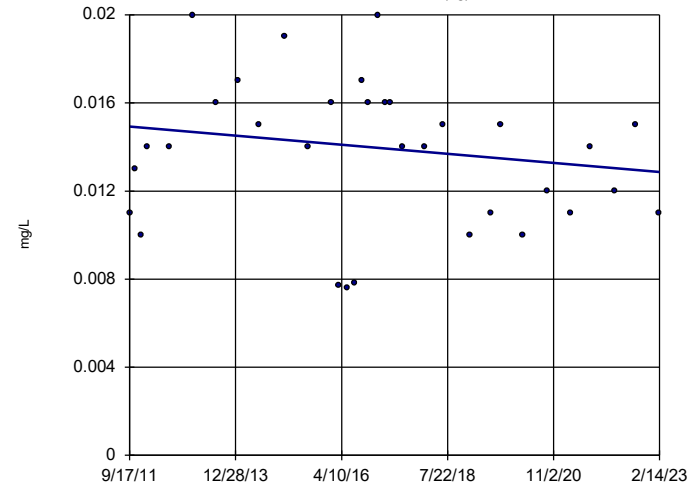


n = 33  
 Slope = 0  
 units per year.  
 Mann-Kendall  
 statistic = -21  
 critical = -167  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Barium Analysis Run 3/29/2023 1:28 PM View: Trend Test  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

### Sen's Slope Estimator

GWA-2 (bg)

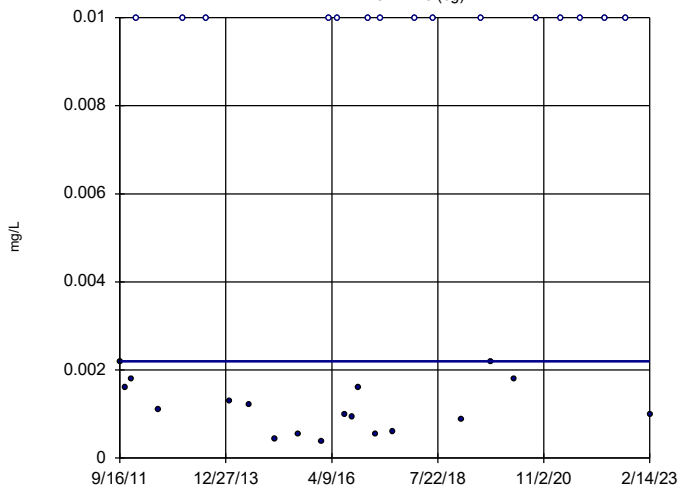


n = 33  
 Slope = -0.000181  
 units per year.  
 Mann-Kendall  
 statistic = -63  
 critical = -167  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Barium Analysis Run 3/29/2023 1:28 PM View: Trend Test  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

### Sen's Slope Estimator

GWA-28 (bg)

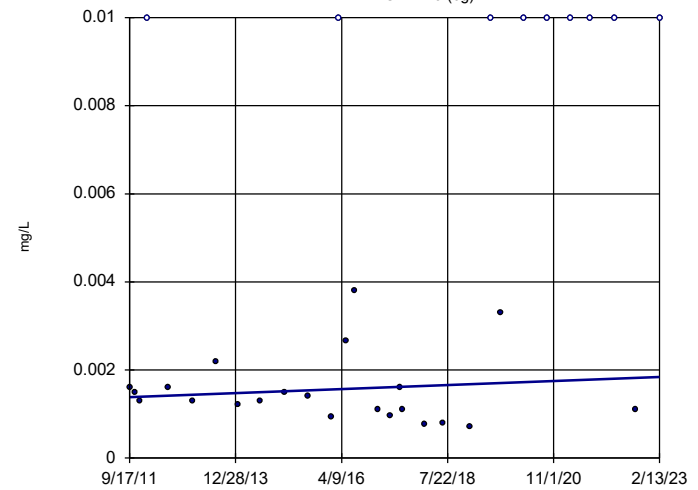


n = 33  
 Slope = 0  
 units per year.  
 Mann-Kendall  
 statistic = 72  
 critical = 167  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Barium Analysis Run 3/29/2023 1:28 PM View: Trend Test  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

### Sen's Slope Estimator

GWA-29 (bg)

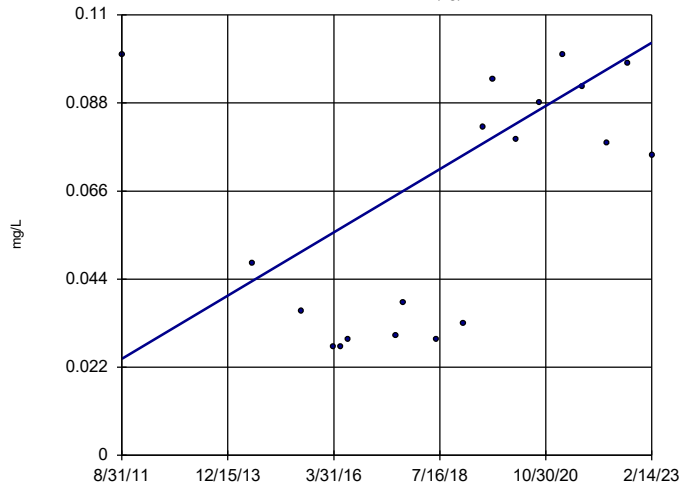


n = 31  
 Slope = 0.00004015  
 units per year.  
 Mann-Kendall  
 statistic = 59  
 critical = 152  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Barium Analysis Run 3/29/2023 1:28 PM View: Trend Test  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

### Sen's Slope Estimator

GWA-3 (bg)

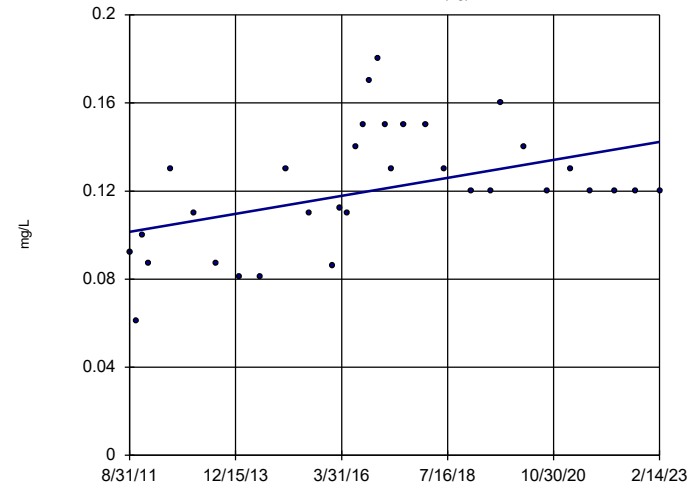


n = 19  
 Slope = 0.006887  
 units per year.  
 Mann-Kendall  
 statistic = 60  
 critical = 74  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Barium Analysis Run 3/29/2023 1:28 PM View: Trend Test  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

### Sen's Slope Estimator

GWA-4 (bg)

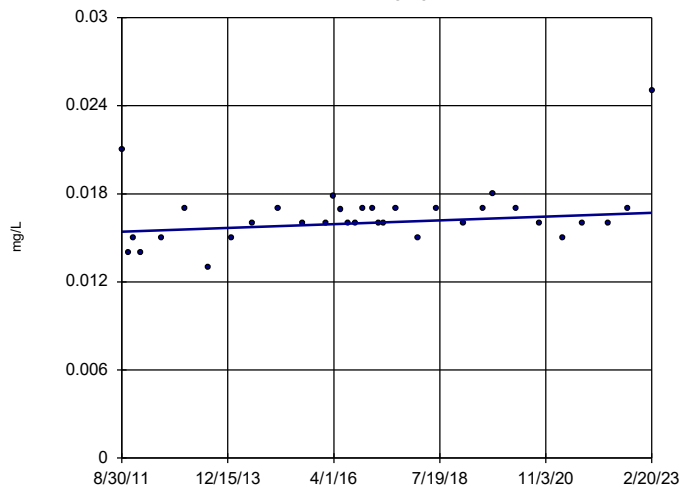


n = 33  
 Slope = 0.003559  
 units per year.  
 Mann-Kendall  
 statistic = 161  
 critical = 167  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Barium Analysis Run 3/29/2023 1:28 PM View: Trend Test  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

### Sen's Slope Estimator

GWC-17

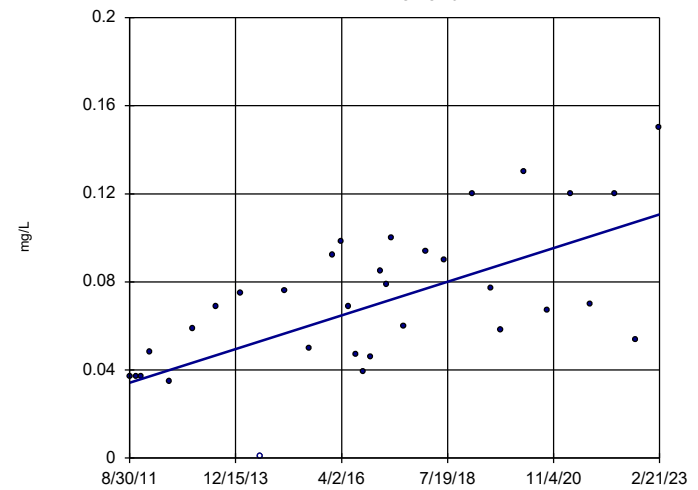


n = 33  
 Slope = 0.0001117  
 units per year.  
 Mann-Kendall  
 statistic = 126  
 critical = 167  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Barium Analysis Run 3/29/2023 1:28 PM View: Trend Test  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

### Sen's Slope Estimator

GWC-19

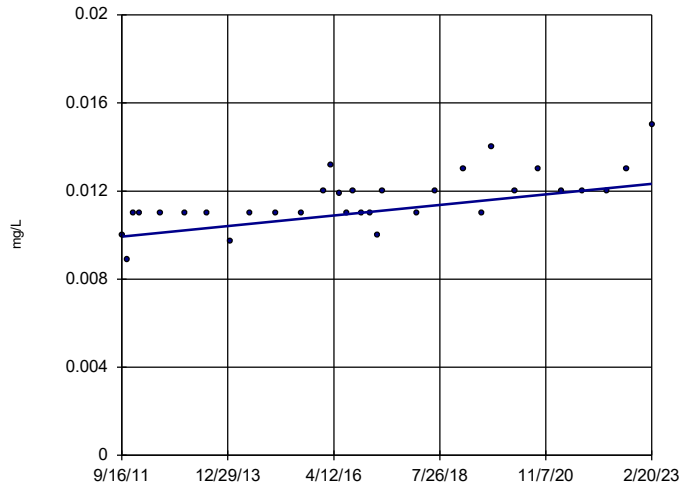


n = 33  
 Slope = 0.00665  
 units per year.  
 Mann-Kendall  
 statistic = 236  
 critical = 167  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Barium Analysis Run 3/29/2023 1:28 PM View: Trend Test  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

### Sen's Slope Estimator

GWC-34

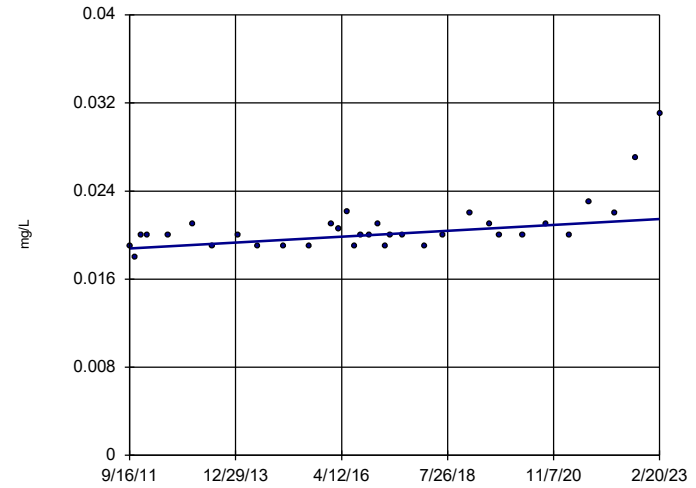


n = 32  
 Slope = 0.0002094  
 units per year.  
 Mann-Kendall  
 statistic = 246  
 critical = 161  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Barium Analysis Run 3/29/2023 1:28 PM View: Trend Test  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

### Sen's Slope Estimator

GWC-35

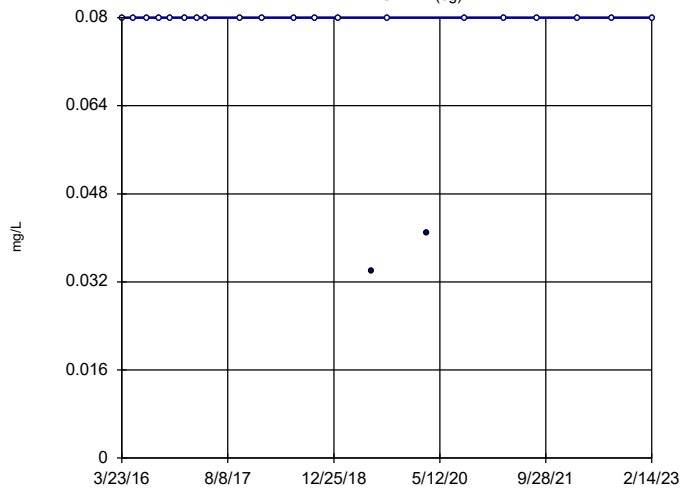


n = 33  
 Slope = 0.0002344  
 units per year.  
 Mann-Kendall  
 statistic = 207  
 critical = 167  
 Increasing trend  
 significant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Barium Analysis Run 3/29/2023 1:28 PM View: Trend Test  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

### Sen's Slope Estimator

GWA-1 (bg)

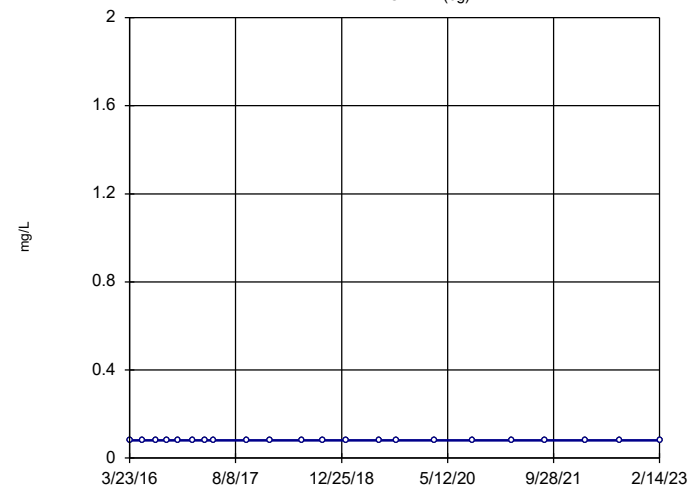


n = 22  
 Slope = 0  
 units per year.  
 Mann-Kendall  
 statistic = -13  
 critical = -92  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Boron Analysis Run 3/29/2023 1:28 PM View: Trend Test  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

### Sen's Slope Estimator

GWA-2 (bg)

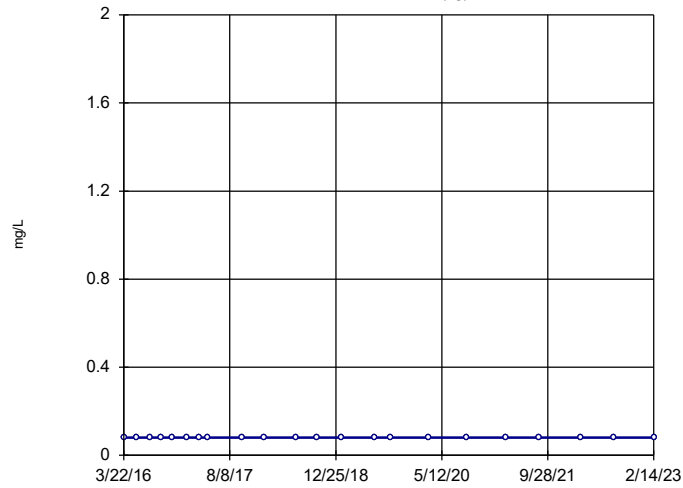


n = 22  
 Slope = 0  
 units per year.  
 Mann-Kendall  
 statistic = 0  
 critical = 92  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 ( $\alpha = 0.005$  per  
 tail).

Constituent: Boron Analysis Run 3/29/2023 1:28 PM View: Trend Test  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

### Sen's Slope Estimator

GWA-28 (bg)

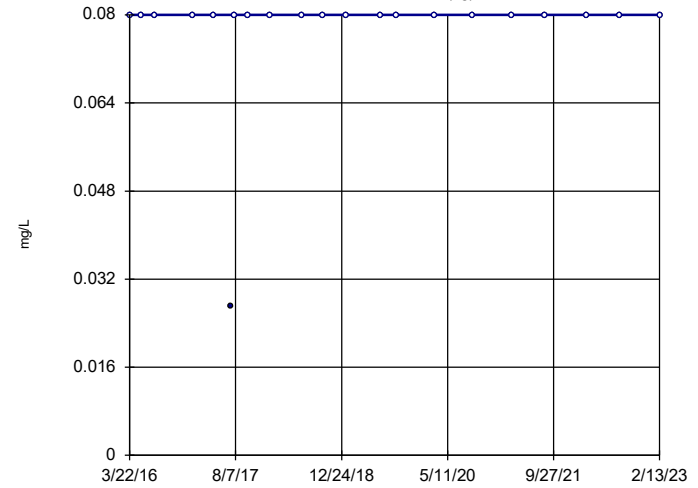


n = 22  
Slope = 0  
units per year.  
Mann-Kendall  
statistic = 0  
critical = 92  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Boron Analysis Run 3/29/2023 1:28 PM View: Trend Test  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Sen's Slope Estimator

GWA-29 (bg)

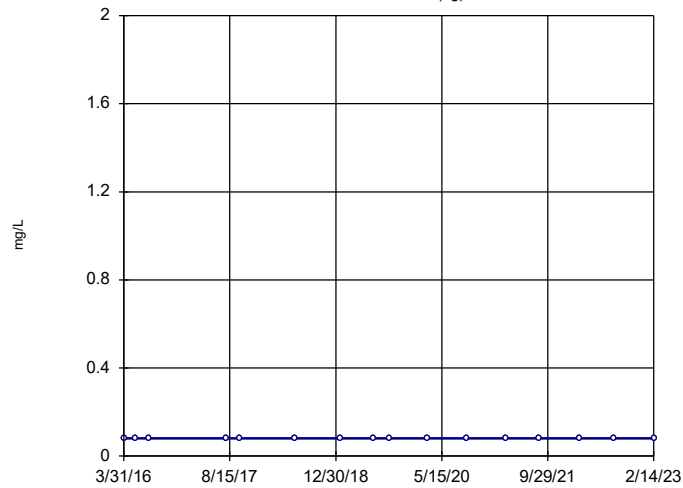


n = 21  
Slope = 0  
units per year.  
Mann-Kendall  
statistic = 10  
critical = 87  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Boron Analysis Run 3/29/2023 1:28 PM View: Trend Test  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Sen's Slope Estimator

GWA-3 (bg)

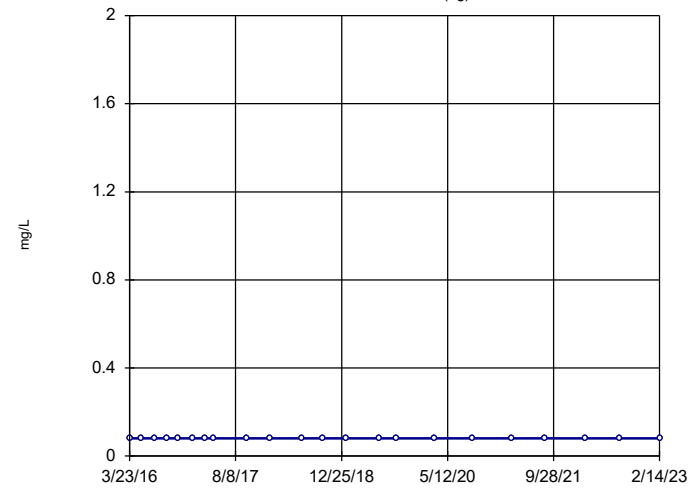


n = 16  
Slope = 0  
units per year.  
Mann-Kendall  
statistic = 0  
critical = 58  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Boron Analysis Run 3/29/2023 1:28 PM View: Trend Test  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Sen's Slope Estimator

GWA-4 (bg)

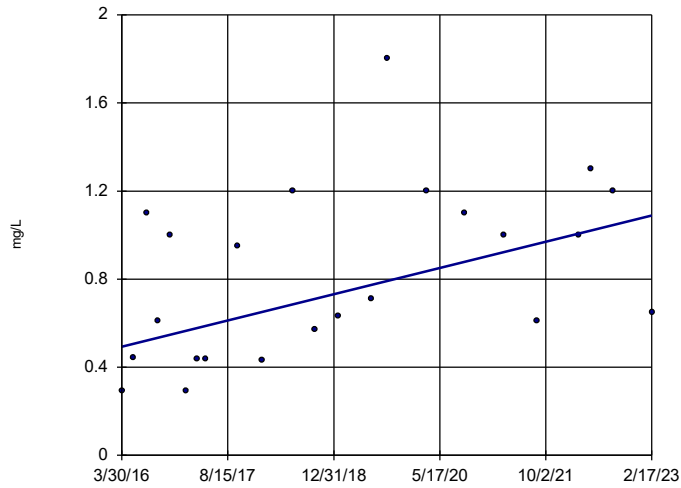


n = 22  
Slope = 0  
units per year.  
Mann-Kendall  
statistic = 0  
critical = 92  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Boron Analysis Run 3/29/2023 1:28 PM View: Trend Test  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Sen's Slope Estimator

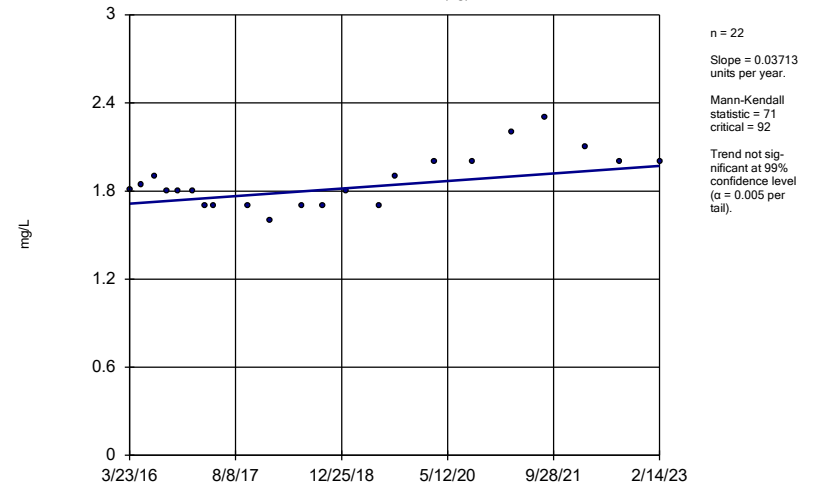
GWC-14



Constituent: Boron Analysis Run 3/29/2023 1:28 PM View: Trend Test  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Sen's Slope Estimator

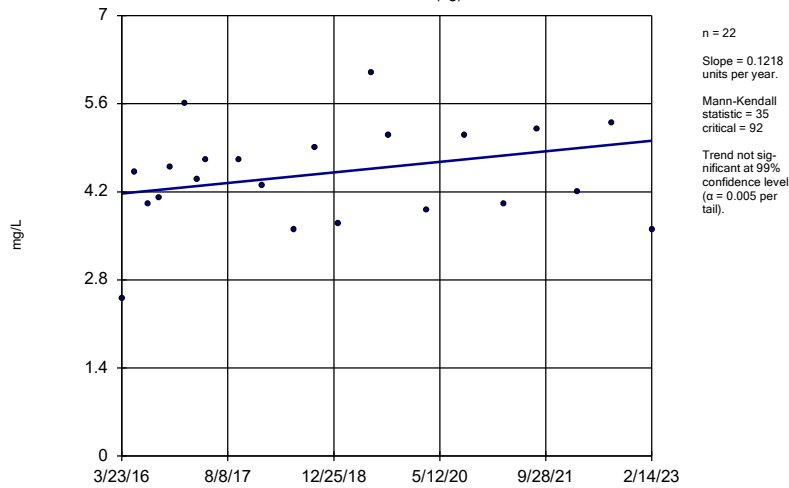
GWA-1 (bg)



Constituent: Chloride Analysis Run 3/29/2023 1:28 PM View: Trend Test  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Sen's Slope Estimator

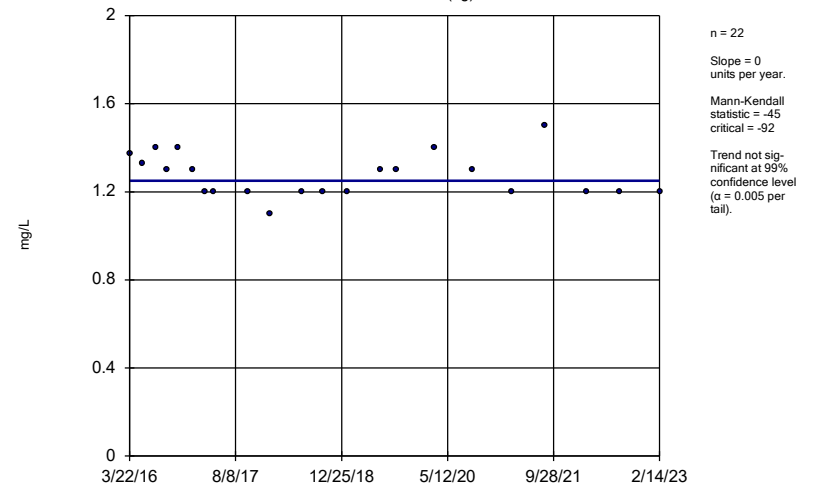
GWA-2 (bg)



Constituent: Chloride Analysis Run 3/29/2023 1:28 PM View: Trend Test  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Sen's Slope Estimator

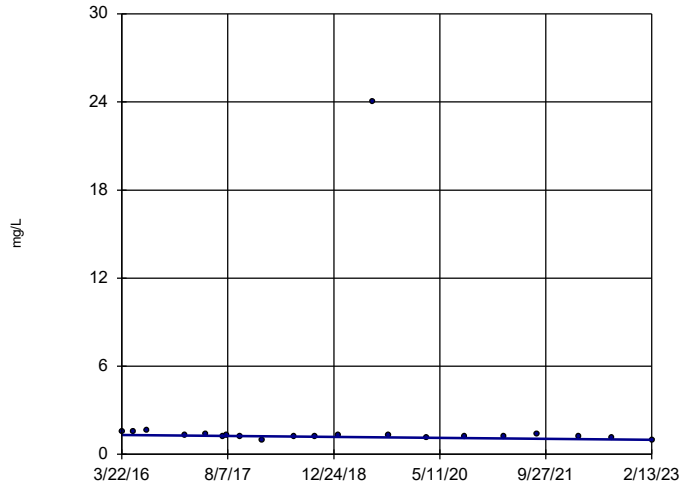
GWA-28 (bg)



Constituent: Chloride Analysis Run 3/29/2023 1:28 PM View: Trend Test  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Sen's Slope Estimator

GWA-29 (bg)



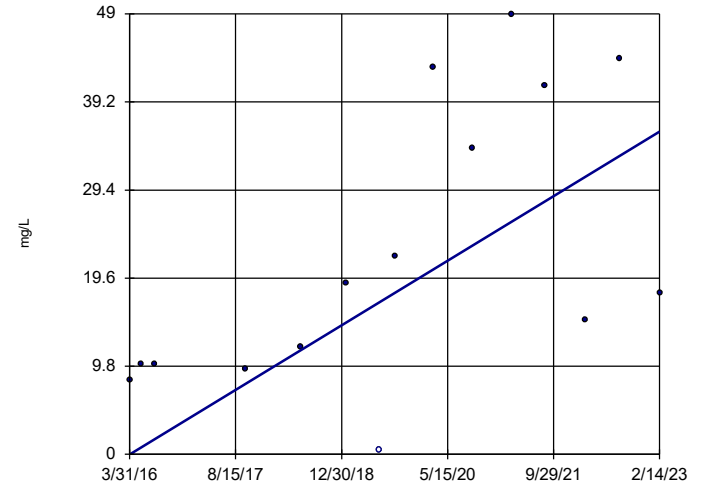
n = 21  
 Slope = -0.04597  
 units per year.  
 Mann-Kendall  
 statistic = -82  
 critical = -87  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

Constituent: Chloride Analysis Run 3/29/2023 1:28 PM View: Trend Test  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

Hollow symbols indicate censored values.

### Sen's Slope Estimator

GWA-3 (bg)

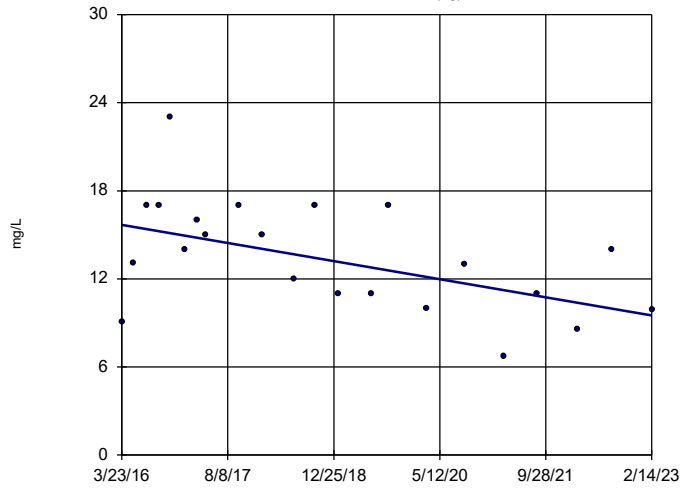


n = 15  
 Slope = 5.222  
 units per year.  
 Mann-Kendall  
 statistic = 53  
 critical = 53  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

Constituent: Chloride Analysis Run 3/29/2023 1:28 PM View: Trend Test  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

### Sen's Slope Estimator

GWA-4 (bg)

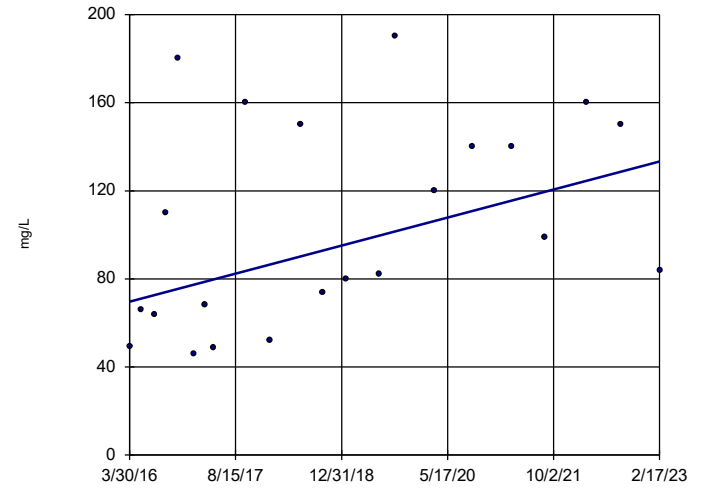


n = 22  
 Slope = -0.893  
 units per year.  
 Mann-Kendall  
 statistic = -82  
 critical = -92  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

Constituent: Chloride Analysis Run 3/29/2023 1:28 PM View: Trend Test  
 Plant Wansley Client: Southern Company Data: Wansley Landfill

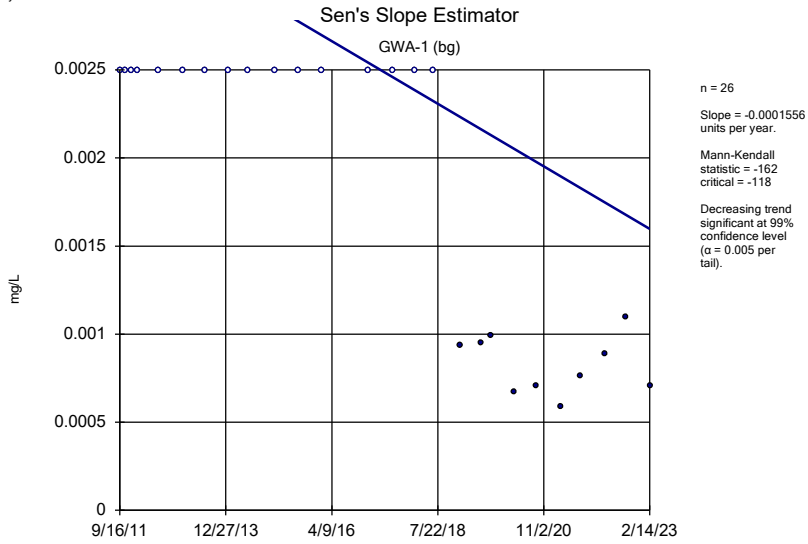
### Sen's Slope Estimator

GWC-14

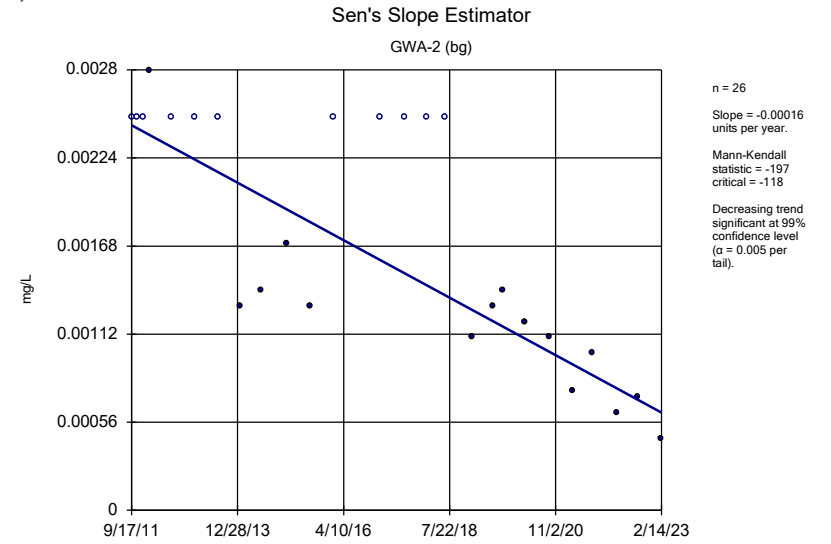


n = 22  
 Slope = 9.234  
 units per year.  
 Mann-Kendall  
 statistic = 84  
 critical = 92  
 Trend not sig-  
 nificant at 99%  
 confidence level  
 (α = 0.005 per  
 tail).

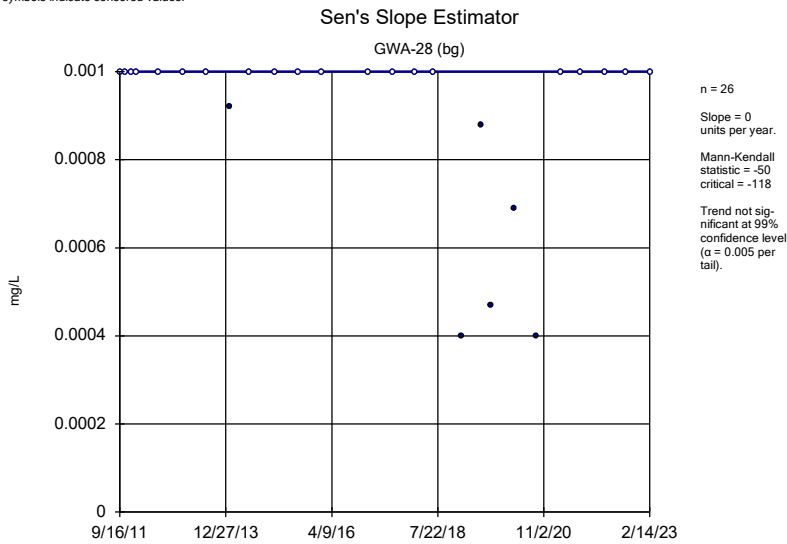
Constituent: Chloride Analysis Run 3/29/2023 1:28 PM View: Trend Test  
 Plant Wansley Client: Southern Company Data: Wansley Landfill



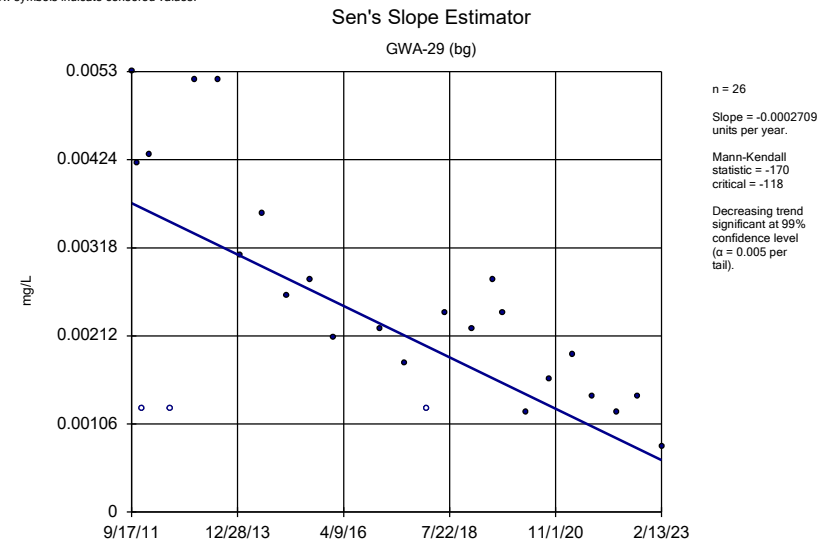
Constituent: Nickel Analysis Run 3/29/2023 1:28 PM View: Trend Test  
Plant Wansley Client: Southern Company Data: Wansley Landfill



Constituent: Nickel Analysis Run 3/29/2023 1:28 PM View: Trend Test  
Plant Wansley Client: Southern Company Data: Wansley Landfill



Constituent: Nickel Analysis Run 3/29/2023 1:28 PM View: Trend Test  
Plant Wansley Client: Southern Company Data: Wansley Landfill

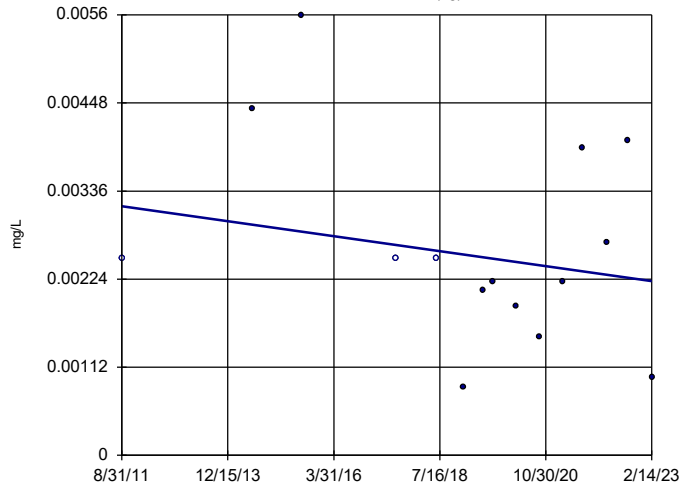


Constituent: Nickel Analysis Run 3/29/2023 1:28 PM View: Trend Test  
Plant Wansley Client: Southern Company Data: Wansley Landfill



### Sen's Slope Estimator

GWA-3 (bg)

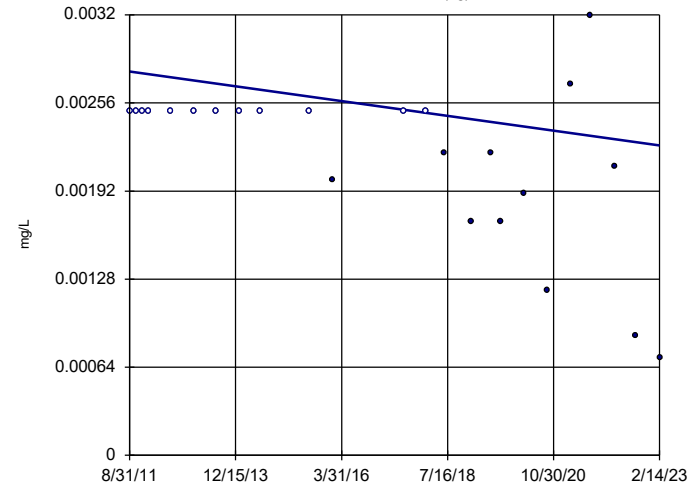


n = 15  
Slope = -0.0008283  
units per year.  
Mann-Kendall  
statistic = -17  
critical = -53  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Nickel Analysis Run 3/29/2023 1:28 PM View: Trend Test  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Sen's Slope Estimator

GWA-4 (bg)

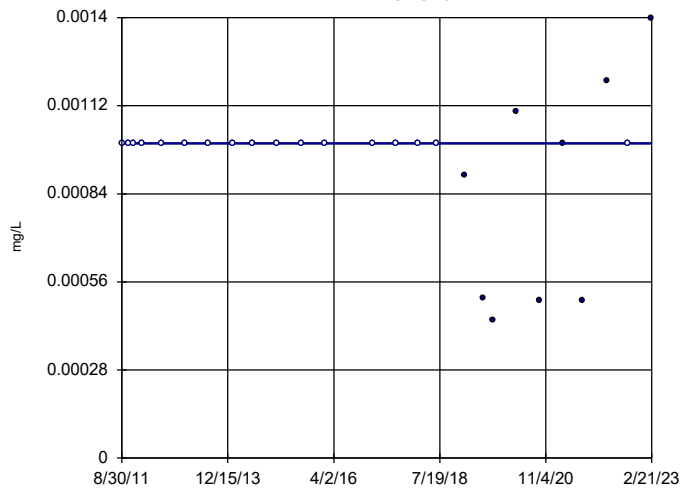


n = 24  
Slope = -0.00004687  
units per year.  
Mann-Kendall  
statistic = -106  
critical = -105  
Decreasing trend  
significant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Nickel Analysis Run 3/29/2023 1:28 PM View: Trend Test  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Sen's Slope Estimator

GWC-19

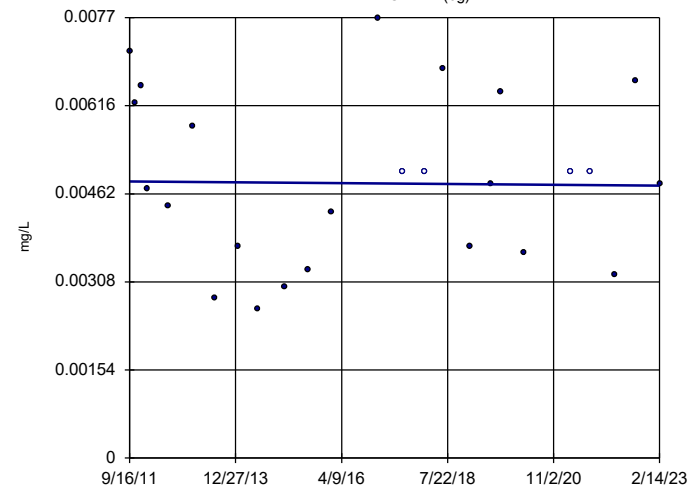


n = 26  
Slope = 0  
units per year.  
Mann-Kendall  
statistic = -15  
critical = -118  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Nickel Analysis Run 3/29/2023 1:28 PM View: Trend Test  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Sen's Slope Estimator

GWA-1 (bg)

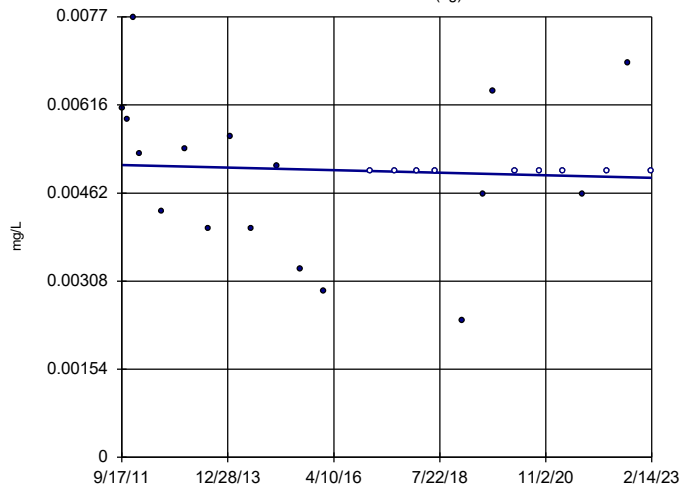


n = 25  
Slope = -0.000006456  
units per year.  
Mann-Kendall  
statistic = -8  
critical = -111  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Zinc Analysis Run 3/29/2023 1:28 PM View: Trend Test  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Sen's Slope Estimator

GWA-2 (bg)

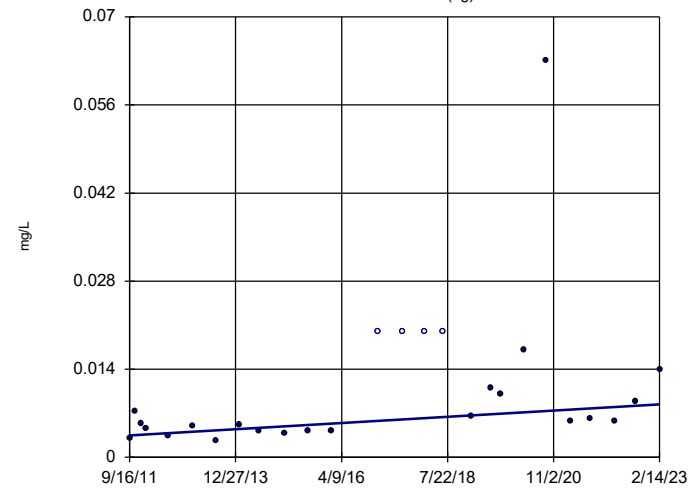


n = 26  
Slope = -0.0001948  
units per year.  
Mann-Kendall  
statistic = -47  
critical = -118  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Zinc Analysis Run 3/29/2023 1:28 PM View: Trend Test  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Sen's Slope Estimator

GWA-28 (bg)

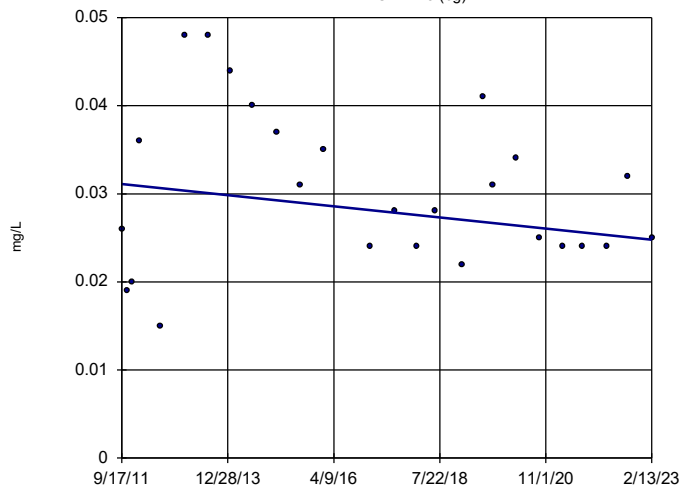


n = 26  
Slope = 0.0004298  
units per year.  
Mann-Kendall  
statistic = 113  
critical = 118  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Zinc Analysis Run 3/29/2023 1:28 PM View: Trend Test  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Sen's Slope Estimator

GWA-29 (bg)

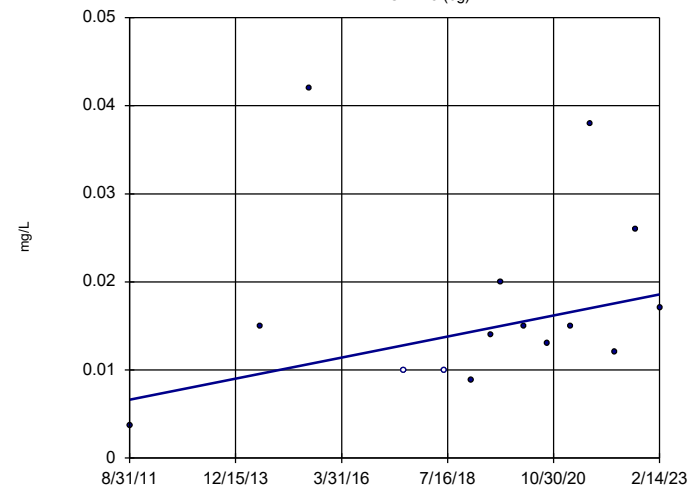


n = 26  
Slope = -0.000553  
units per year.  
Mann-Kendall  
statistic = -43  
critical = -118  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Zinc Analysis Run 3/29/2023 1:28 PM View: Trend Test  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Sen's Slope Estimator

GWA-3 (bg)

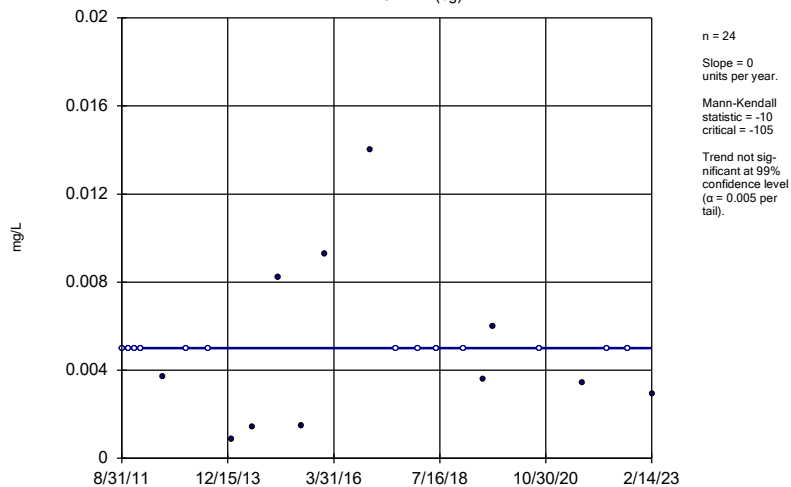


n = 15  
Slope = 0.001041  
units per year.  
Mann-Kendall  
statistic = 31  
critical = 53  
Trend not sig-  
nificant at 99%  
confidence level  
( $\alpha = 0.005$  per  
tail).

Constituent: Zinc Analysis Run 3/29/2023 1:28 PM View: Trend Test  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Sen's Slope Estimator

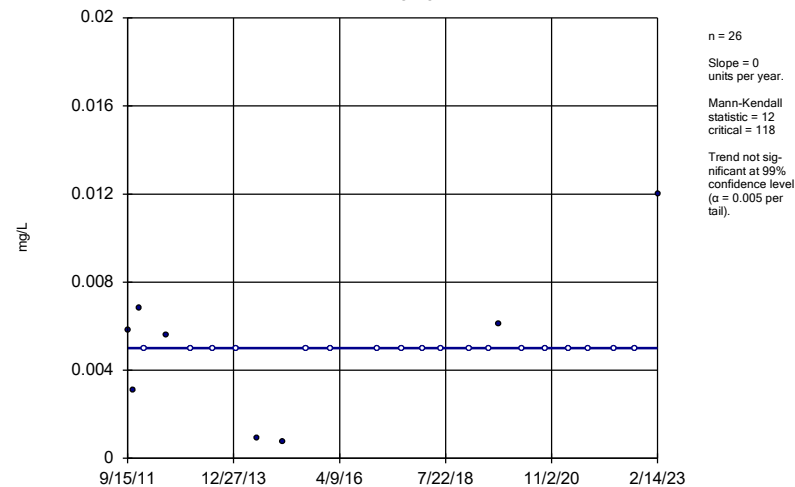
GWA-4 (bg)



Constituent: Zinc Analysis Run 3/29/2023 1:28 PM View: Trend Test  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Sen's Slope Estimator

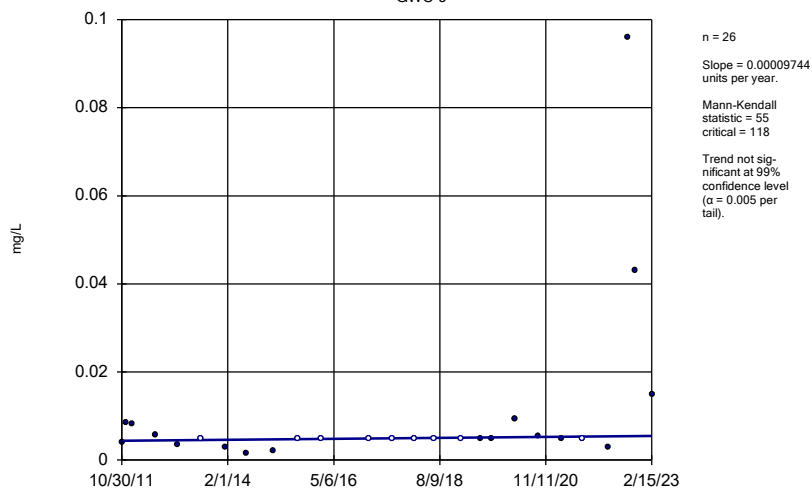
GWC-22



Constituent: Zinc Analysis Run 3/29/2023 1:28 PM View: Trend Test  
Plant Wansley Client: Southern Company Data: Wansley Landfill

### Sen's Slope Estimator

GWC-9



Constituent: Zinc Analysis Run 3/29/2023 1:28 PM View: Trend Test  
Plant Wansley Client: Southern Company Data: Wansley Landfill

## **APPENDIX C**

### **ALTERNATE SOURCE DEMONSTRATION**



## Plant Wansley CCR Landfill

PERMIT #: 074-005D(CCR)

Heard County

### ALTERNATE SOURCE DEMONSTRATION – 2023 ADDENDUM



ATLANTIC COAST  
CONSULTING, INC.

## CERTIFICATION STATEMENT

I hereby certify that the information used in this alternate source demonstration for the coal combustion residuals (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  
May 1, 2023



---

Chad Hall, PhD, P.E.  
Georgia Registered Professional  
Engineer No. 40688  
Reviewer  
May 1, 2023

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### Figures

Figure 1 – Plant Wansley Landfill Site Map

Figure 2 – Plant Wansley Landfill Well Location Map

Figure 3 – Barium Time Series Plot for GWC-14

Figure 4 – Boron Time Series Plot for GWC-12

Figure 5 – Location of Return Water Pipe

Figure 6 – Plant Wansley Potentiometric Surface Map, April 2007

Figure 7 – Plant Wansley Landfill Design and Operations Sheet H1C11136

### Appendices

Appendix A – Alternate Source Demonstration – Addendum for Plant Wansley CCR Landfill (August 2022)

Appendix B – Laboratory Analytical Results

Appendix C – Boring Logs GS-21, GS-22, and GWC-12

## 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 second semiannual detection monitoring event of 2022. This ASD Addendum also provides additional data in support of the ASDs submitted to Georgia Environmental Protection Division (EPD) in 2018 (ACC, 2018) and 2022 (ACC, 2022), included 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(CCR). However, the sampling and reporting for the second semiannual detection monitoring event of 2022 was in accordance with the previous Solid Waste Permit 074-005D(LI) for the Site which was in effect at the time.

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 Federal Register 21302-21501, April 17, 2015). As a result of the statistical analysis, SSIs were identified, and subsequently addressed by the 2018 ASD for the following constituents:

- 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.

An addendum to the 2018 ASD was submitted in August 2022. Both the 2018 ASD and the August 2022 ASD Addendum were approved by EPD on October 19, 2022. The August 2022 ASD Addendum addressed SSIs for the following constituents:

- Boron: GWC-14 and GWC-15



- Chloride: GWC-14

In August 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, 2023). Based on the statistical results, an SSI (a significant upward trend) was identified for barium in the sample from GWC-14. Additionally, verification sampling was conducted in November 2022, and an additional SSI was identified for boron in the sample from GWC-12 (see Figure 2 for well locations). The newly verified SSIs identified during the August 2022 monitoring event are:

- Barium: GWC-14
- Boron: GWC-12

These two SSIs are the subject of this Addendum.

## 2.0 Alternate Source Demonstration

This ASD Addendum builds on information provided in the 2018 ASD and 2022 ASD Addendum (included as Appendix A) and demonstrates that the landfill is not the source of the SSIs at GWC-12 (boron) and GWC-14 (barium). The following sections provide specific demonstrations to support that the apparent source of the SSIs at GWC-12 and GWC-14 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 of the August 2022 groundwater monitoring event data identified one Appendix I analyte SSI, barium, for GWC-14 that was not previously addressed by an ASD. Barium at GWC-14 was also identified as having a significant upward trend. Historical results for this parameter are elevated compared to background; therefore, it has been evaluated by trend tests in lieu of prediction limits.

Statistical analysis (GSC, 2023) of the August 2022 groundwater monitoring event data identified an Appendix III analyte SSI in GWC-12. Boron was detected at a concentration of 0.088 milligrams per liter (mg/L), slightly above the statistically derived site prediction limit of 0.080 mg/L. A verification resample was collected for boron in November 2022 which verified the SSI at a concentration of 0.098 mg/L.

### 2.2 Data Review

The concentration range for barium at GWC-14 was identified as an increasing trend during the August 2022 sampling event. However, since the September 2019 sampling event, barium concentrations at GWC-14 have been decreasing. Concentrations of barium at GWC-14 range from non-detect (ND) to 0.32 mg/L as shown on Figure 3. GWC-14 was sampled on February 17, 2023, for the 2023 semiannual groundwater sampling event. The concentration of barium for that sampling event was 0.17 mg/L which is below the site prediction limit. Concentrations of barium have always been well below the USEPA maximum contaminant level (MCL) of 2.0 mg/L.

The low-level boron detections at GWC-12 have been variable during monitoring events ranging from ND to 0.11 mg/L as shown in Figure 4. GWC-12 was sampled on February 15, 2023, for the 2023 semiannual groundwater sampling event. The concentration of boron for that sampling event is an estimated “J” value of 0.077 mg/L, which is below the site prediction limit and illustrates the low-level nature of boron concentrations in GWC-12. There is no MCL established for boron, but concentrations of boron in GWC-12 have been well below the USEPA Regional Screening Level of 4.0 mg/L. February 2023 laboratory analytical data reports J230703-1 and J230803-1 are provided in Appendix B.

### 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-12 and GWC-14. Therefore, the potential for 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-12 is located approximately 530 feet northwest of the return water pond, return water pumps, and electrical control building. The locations of both monitoring wells are depicted in 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.

As described in the 2022 ASD Addendum, 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-12 and 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-12 and GWC-14 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 and was demonstrated in the 2022 ASD Addendum. The pipe failure occurred in August 2014, and the concentration of barium in GWC-14 started to increase in January 2015. As previously established, GWC-14 is directly downgradient of the expansion pipe failure. An increasing trend for barium reached a peak in September 2019, and concentrations have begun to decline since then. Declining trends are further evidenced by the February 2023 groundwater sampling event in which barium was detected at a concentration of 0.17 mg/L, which is less than the maximum barium concentration of 0.32 mg/L from September 2019 and is below the site prediction limit of 0.18 mg/L.

After a thorough review of historical groundwater elevations and flow directions, including utilizing data from older borings which have since been abandoned, there is evidence that GWC-12 is tangentially downgradient of the mechanical joint failure location shown on Figure 5. Figure 6, which is adapted from the Wansley Site Acceptability Report (GPC, 2007), lends insight into historical groundwater elevations beneath the footprint of the landfill. Groundwater elevations observed at wells GS-28 and GS-21 show a "saddle" of high groundwater elevations trending from the southwest to northeast, dipping to lower groundwater elevations to the northeast. Groundwater in the vicinity of well GS-21 exhibits a radial flow pattern as shown on Figure 6.

Design and Operation (D&O) Plan Sheet H1C11136, included as Figure 7, further displays a saddle of high groundwater elevation at Section D-D. This cross-section is located near GWC-12 and the return water pond area. This saddle of high groundwater and the requirement of EPD's Site Limitations to ensure five feet of separation from seasonal high groundwater and the landfill's base liner system influenced the design grades of the landfill. To achieve the required separation of groundwater, the landfill floor was designed with an elevated ridge dividing the landfill into Cell 1 and Cell 2. The wide section of elevated landfill floor exists, by design, directly above ridge of high groundwater elevation. The ridge of elevated cell floor extends from southwest to northeast, dividing the entire landfill, before merging into the grading pattern for the cell edge near the current North Sedimentation Pond and the Return Water Pond.

The high elevation divide between the landfill cells likely continues to influence the elevation of groundwater underneath the landfill. This ridge of high groundwater terminates at the northern edge of the landfill near the north sedimentation pond and the return water pond. A fan-shaped, radial pattern of groundwater flow is expected and demonstrated, as shown in Figure 6.

The published groundwater flow velocity in the 2022 Annual Groundwater Monitoring and Corrective Action Report at the site is 0.48 feet per day or 176 feet per year (ACC, 2023). The distance between the expansion joint failure and GWC-12 is approximately 530 feet. Thus, if GWC-12 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-12. However, GWC-12 is located tangentially downgradient from the joint failure and factors like soil adsorption, dilution, and soil heterogeneity would alter travel times.

Some effects of the release are being detected at low-level concentrations at GWC-12. Due to the steepness of the slope at the pipe rupture, likely nominal infiltration occurred, and due to the spatial location of GWC-12, there has been minimal impact to groundwater (as demonstrated by the low concentrations on Figure 4). Review of historical and current boring logs for GS-21, GS-22, and GWC-12 show layers of either poorly graded sandy gravel or layers of hard rock schist with regular fractures. These layers are found in between layers of clays and silts and/or competent rock. Both layers could potentially focus nominal groundwater flow from the expansion joint failure to GWC-12. The alternating geological layers would also alter groundwater travel times. Boring logs for GS-21, GS-22, and GWC-12 are included in Appendix C.

The initial prediction limit exceedance of boron at GWC-12 was 0.11 mg/L and occurred on March 7, 2022, approximately 7.5 years since the initial pipe failure. However, a subsequent verification event conducted on May 3, 2022, did not confirm the results. The concentration of boron at GWC-12 on August 16, 2022 (0.088 mg/L) was confirmed to be an SSI following a subsequent verification event conducted on November 29, 2022. Consequently, verified boron detections at GWC-12 occurred approximately 8 years from the initial pipe failure. GWC-12 was sampled on February 15, 2023, for the 2023 semiannual groundwater sampling event. The concentration of boron for that sampling event is an estimated "J" value of 0.077 mg/L, which is

below the site prediction limit and illustrates the low-level nature of boron concentrations in GWC-12.

A review of Plant Wansley Ash Pond 1 data shows that the site background concentrations for boron at the Ash Pond is 0.10 mg/L (Geosyntec, 2023). This background concentration is higher than the site background concentration for boron at the Site which is 0.080 mg/L. This demonstrates that background concentrations of boron at Plant Wansley, while low-level, are variable. The four most recent samples of boron for GWC-12 were below the site background at Ash Pond 1 and the most recent boron concentration data from GWC-12 (February 2023) was below the site prediction limit.

The distance, radial groundwater flow pattern, the potential for focused nominal groundwater flow from the expansion joint failure to GWC-12, altered travel times through geologic layer heterogeneity, and relatively slow groundwater velocity (176 feet per year) demonstrates why boron levels associated with the joint failure were detected at GWC-12 several years after the expansion joint failed. As discussed above, due to the steepness of the slope where the discharge occurred, there was likely nominal infiltration to groundwater. Furthermore, there are only low-level concentrations of boron at GWC-12. The difference in site background concentrations of boron between Ash Pond 1 and the Site demonstrates that background concentration of boron at Plant Wansley are variable. Due to the repairs and enhanced protocols for containment, it is anticipated that there will continue to be a stable or declining trend at GWC-12. Stability and declining trends are further evidenced by the February 2023 groundwater sampling event (a “J” value of 0.077 mg/L) which is an estimated boron concentration below the prediction limit in GWC-12.

## 2.4 Summary

The landfill is not a source of the SSIs at GWC-12 and GWC-14 based on the landfill having an HDPE liner and observations made as part of the 2018 ASD, the 2022 ASD Addendum, and this ASD Addendum. 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 barium and boron concentrations to return to background levels, which may already be occurring as indicated by the February 2023 groundwater sampling event results, which shows the concentration of barium at GWC-14 and boron at GWC-12 below the site prediction limits.

The concentrations of barium at GWC-14 are declining as shown from the February 2023 groundwater sampling event data in which barium was detected at a concentration of 0.17 mg/L, which is less than the maximum barium concentration of 0.32 mg/L from September 2019, and is below the site prediction limit of 0.18 mg/L. The difference in the background concentration between Ash Pond 1 (0.10 mg/L) and the Landfill (0.080 mg/L) at Plant Wansley displays the variability of boron concentrations at Plant Wansley. The four most recent samples of boron were below the sitewide background at Ash Pond 1 and the most recent sample concentration

(February 2023) was below site prediction limit. The low groundwater velocity at the Site, radial groundwater flow direction, the potential for focused nominal groundwater flow from the expansion joint failure to GWC-12, altered travel times through geologic layer heterogeneity, and location of GWC-12 being tangentially downgradient from the expansion pipe failure area explains the time lag between the expansion joint failure and SSIs at GWC-12 several years after the initial piping failure occurred and the more immediate SSIs at GWC-14.

### 3.0 Conclusions and Recommendations

The Plant Wansley Landfill August 2022 Statistical Analysis report identified new SSIs for two groundwater monitoring locations: GWC-12 (boron) and GWC-14 (barium). This ASD addendum has identified the following sources for each location with an SSI:

- GWC-12 (boron)
  - A source other than the CCR unit caused the boron SSI (operational issue and repair)
  
- GWC-14 (barium)
  - A source other than the CCR unit caused the barium 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

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

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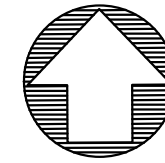
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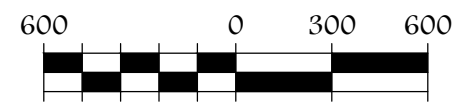
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## FIGURES



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CONSULTING, INC.

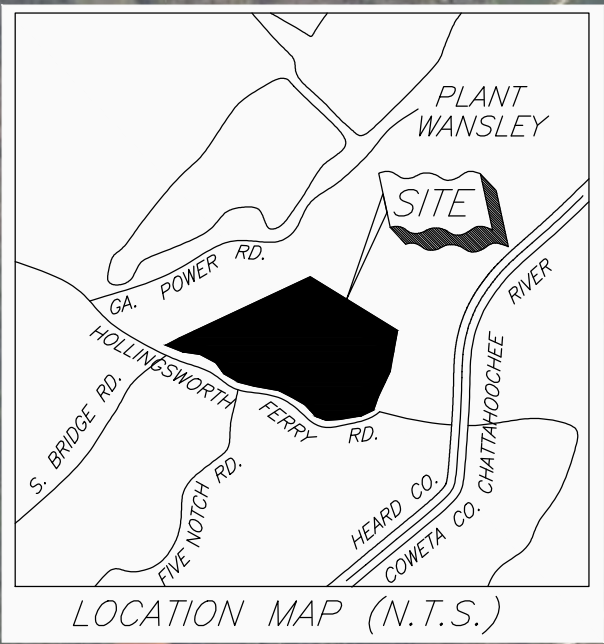


SCALE (IN FEET)

### LEGEND:

EXISTING	DESCRIPTION
	APPROXIMATE PROPERTY BOUNDARY
	APPROXIMATE LANDFILL/CELL BOUNDARY

NOTE:  
1. AERIAL DATED 9/9/2022 FROM SAM, LLC. ADDITIONAL PHOTOGRAPHY DATED 2022 FROM MICROSOFT CORPORATION, MAXAR, CNES, DISTRIBUTION AIRBUS DS.



#### PROJECT



GEORGIA POWER COMPANY  
PLANT WANSLEY LANDFILL  
ALTERNATE SOURCE DEMONSTRATION

#### SITE MAP

PROJECT NO. I054-118

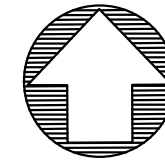
March 2023

DRAWN BY: MM

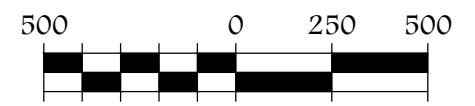
FIGURE:

CHECKED BY: RW

1



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CONSULTING, INC.



SCALE (IN FEET)

### LEGEND:

EXISTING	DESCRIPTION
	APPROXIMATE PROPERTY BOUNDARY
	APPROXIMATE LANDFILL/CELL BOUNDARY
	MONITORING WELL
	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 9/9/2022 FROM SAM, LLC. ADDITIONAL PHOTOGRAPHY DATED 2022 FROM MICROSOFT CORPORATION, MAXAR, CNES, DISTRIBUTION AIRBUS DS.

#### PROJECT



GEORGIA POWER COMPANY  
PLANT WANSLEY LANDFILL

ALTERNATE SOURCE DEMONSTRATION

### WELL LOCATION MAP

PROJECT NO. I054-118

March 2023

DRAWN BY: MM

FIGURE:

CHECKED BY: RW

2

Figure 3  
Barium Time Series Plot for GWC-14

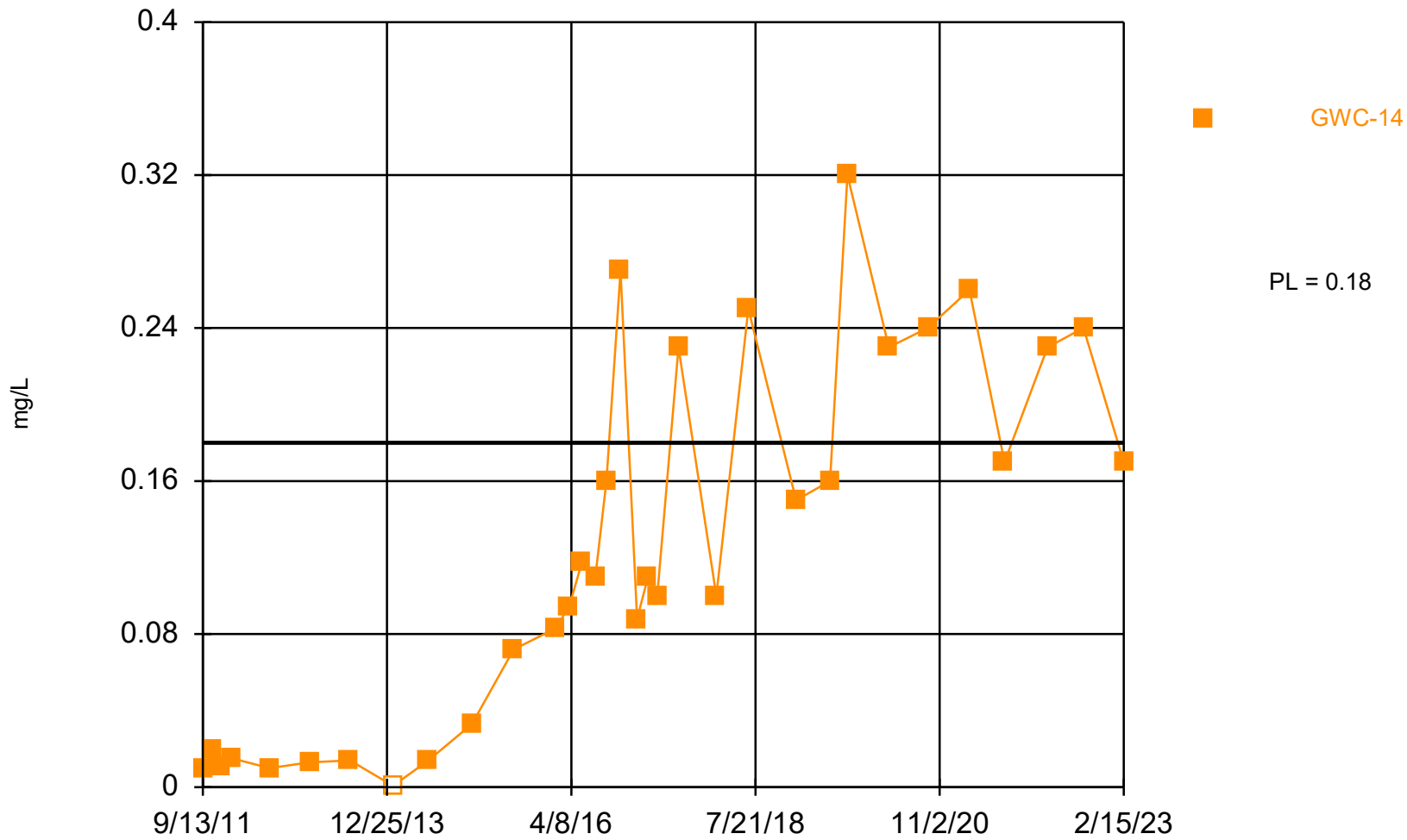
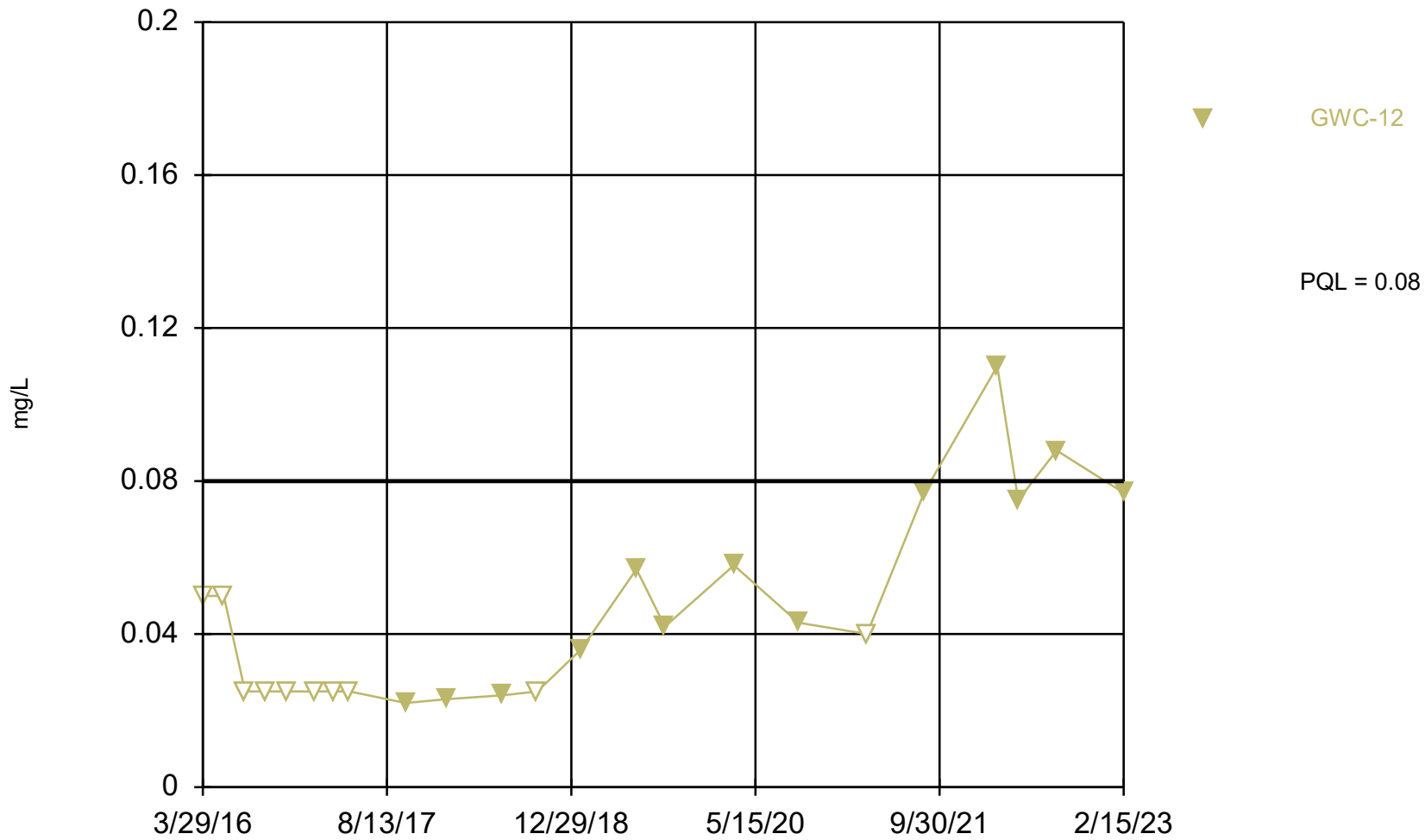
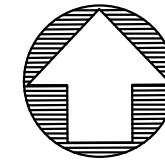
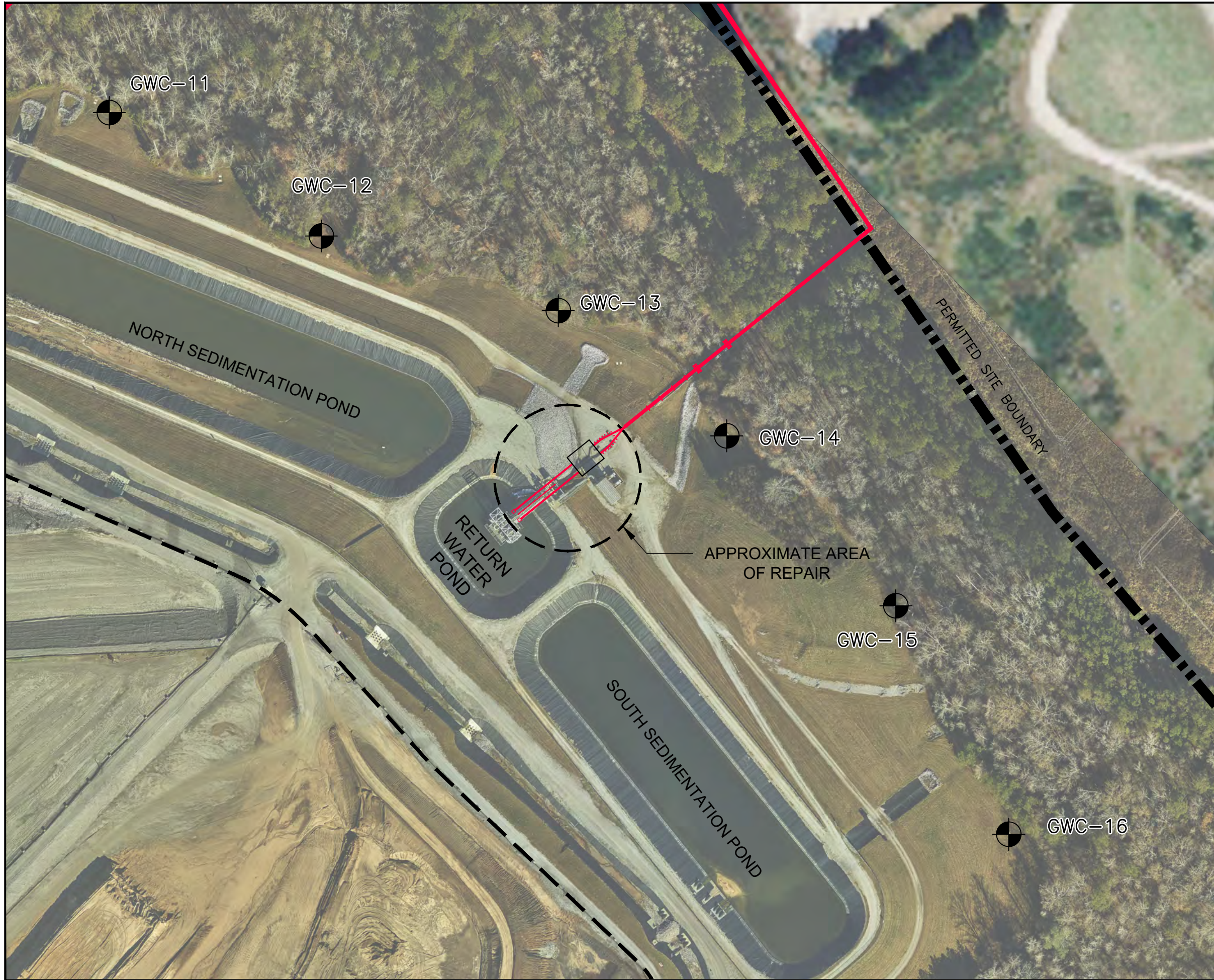
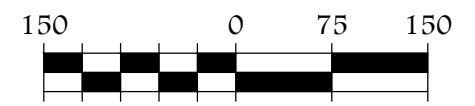


Figure 4  
Boron Time Series Plot for GWC-12





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SCALE (IN FEET)

**LEGEND:**

EXISTING	DESCRIPTION
	APPROXIMATE PROPERTY BOUNDARY
	APPROXIMATE LANDFILL/CELL BOUNDARY
	RETURN WATER LINE
	GWC-10 MONITORING WELL

**NOTE:**

- AERIAL DATED 1/10/2022 FROM SAM, LLC. ADDITIONAL PHOTOGRAPHY DATED 2022 FROM MICROSOFT CORPORATION, MAXAR, CNES, DISTRIBUTION AIRBUS DS.
- LOCATION OF RETURN WATER LINE SOURCED FROM CAD DRAWING H1C11165.

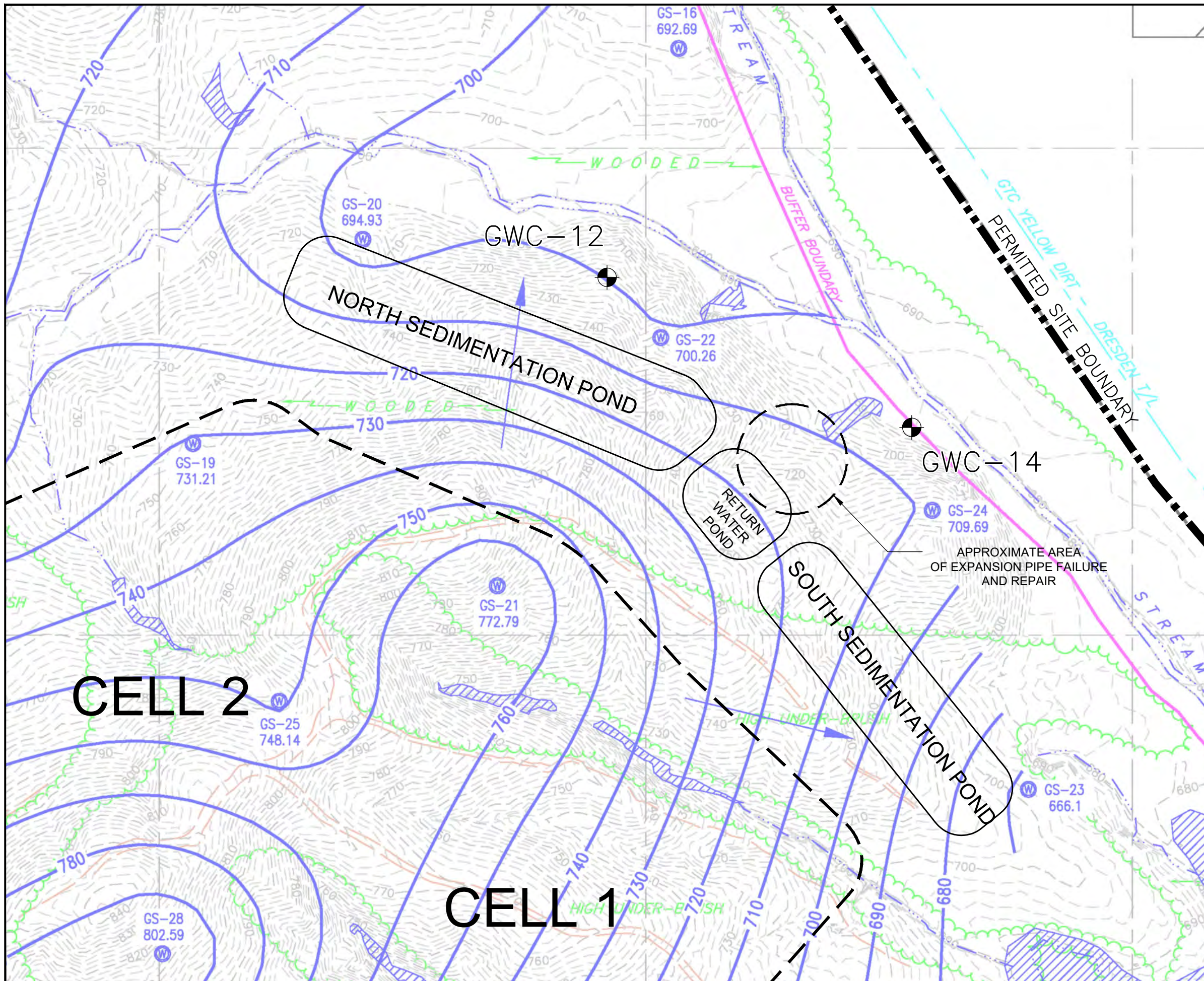
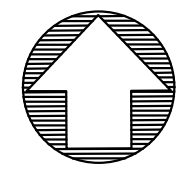

PROJECT

**Georgia Power**  
 GEORGIA POWER COMPANY  
 PLANT WANSLEY LANDFILL  
 ALTERNATE SOURCE DEMONSTRATION

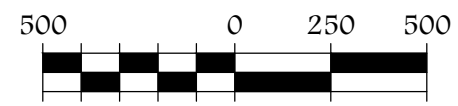
**LOCATION OF RETURN WATER LINE**

PROJECT NO. I054-118 March 2023

<u>DRAWN BY:</u>	AS	<u>FIGURE:</u>	<b>5</b>
<u>CHECKED BY:</u>	MJ		


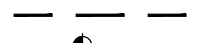








ATLANTIC COAST  
CONSULTING, INC.



SCALE (IN FEET)


**LEGEND:**

EXISTING	DESCRIPTION
	APPROXIMATE PROPERTY BOUNDARY
	APPROXIMATE LANDFILL/CELL BOUNDARY
	MONITORING WELL
	SITE ACCEPTABILITY WELL
	GROUNDWATER ELEVATION CONTOUR
	GROUNDWATER FLOW DIRECTION

**NOTE:**

1. THE BASEMAP IS GEOREFERENCED. LOCATIONS ARE APPROXIMATE.
2. THE BASEMAP IS REFERENCED FROM FIGURE 3-4, POTENTIOMETRIC SURFACE MAP, DATED 4/19/07 FROM THE GEORGIA POWER COMPANY, PLANT WANSLEY, SITE ACCEPTABILITY REPORT, DATED OCTOBER 2007.
3. GWC-12, GWC-14, APPROXIMATE LANDFILL/CELL BOUNDARY, SEDIMENTATION PONDS, AND RETURN WATER POND LOCATIONS ARE DISPLAYED FOR REFERENCE.

**PROJECT**

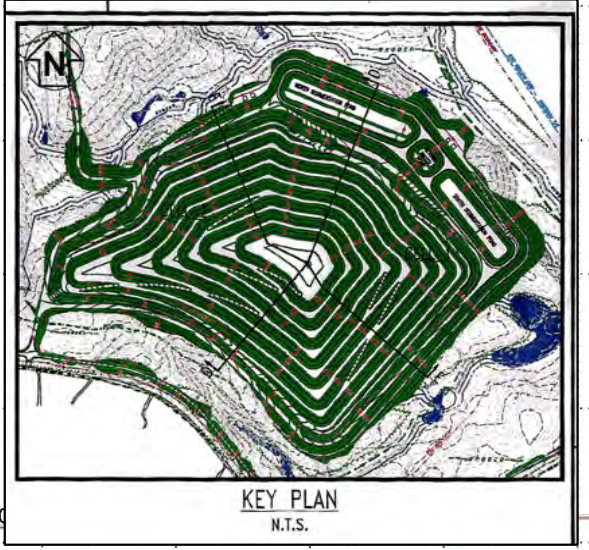
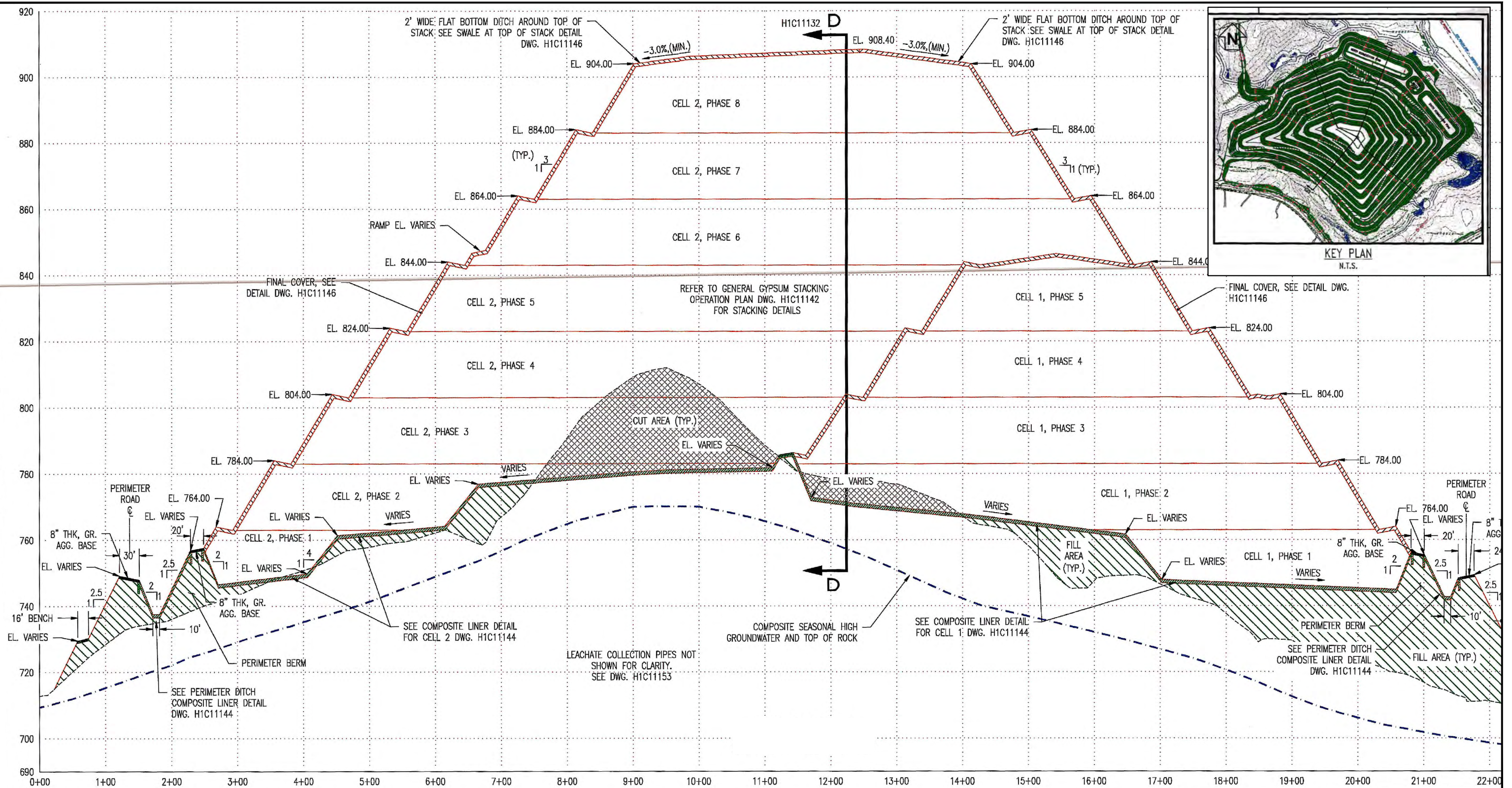


GEORGIA POWER COMPANY  
PLANT WANSLEY LANDFILL  
ALTERNATE SOURCE DEMONSTRATION

**POTENTIOMETRIC SURFACE MAP  
APRIL 2007**

PROJECT NO. I054-118 March 2023

<b>DRAWN BY:</b>	JB	<b>FIGURE:</b>	6
<b>CHECKED BY:</b>	MM		



NOTE:  
 1. FIGURE DISPLAYS EXCERPTS FROM PLANT WANSLEY LANDFILL D&O SHEET H1C11136.  
 2. MAP NOT TO SCALE.



GEORGIA POWER CO PLANT WANSLEY LANDFILL  
 ALTERNATE SOURCE DEMONSTRATION

**PLANT WANSLEY LANDFILL DESIGN  
 AND OPERATIONS SHEET H1C11136**

PROJECT : I054-118  
 SCALE: NOT TO SCALE  
 DATE: 3/2023  
 BY: MM / RW

FIGURE: **7**



## APPENDICES

## APPENDIX A

### Alternate Source Demonstration – Addendum for Plant Wansley CCR Landfill (August 2022)



## Plant Wansley CCR Landfill

PERMIT #: 074-005D(LI)

Heard County

### ALTERNATE SOURCE DEMONSTRATION - ADDENDUM

The logo for Atlantic Coast Consulting, Inc., featuring the letters "ACC" in a white, stylized, cursive font.

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

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2.0	Alternate Source Demonstration .....	3
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### 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:

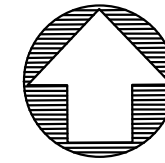
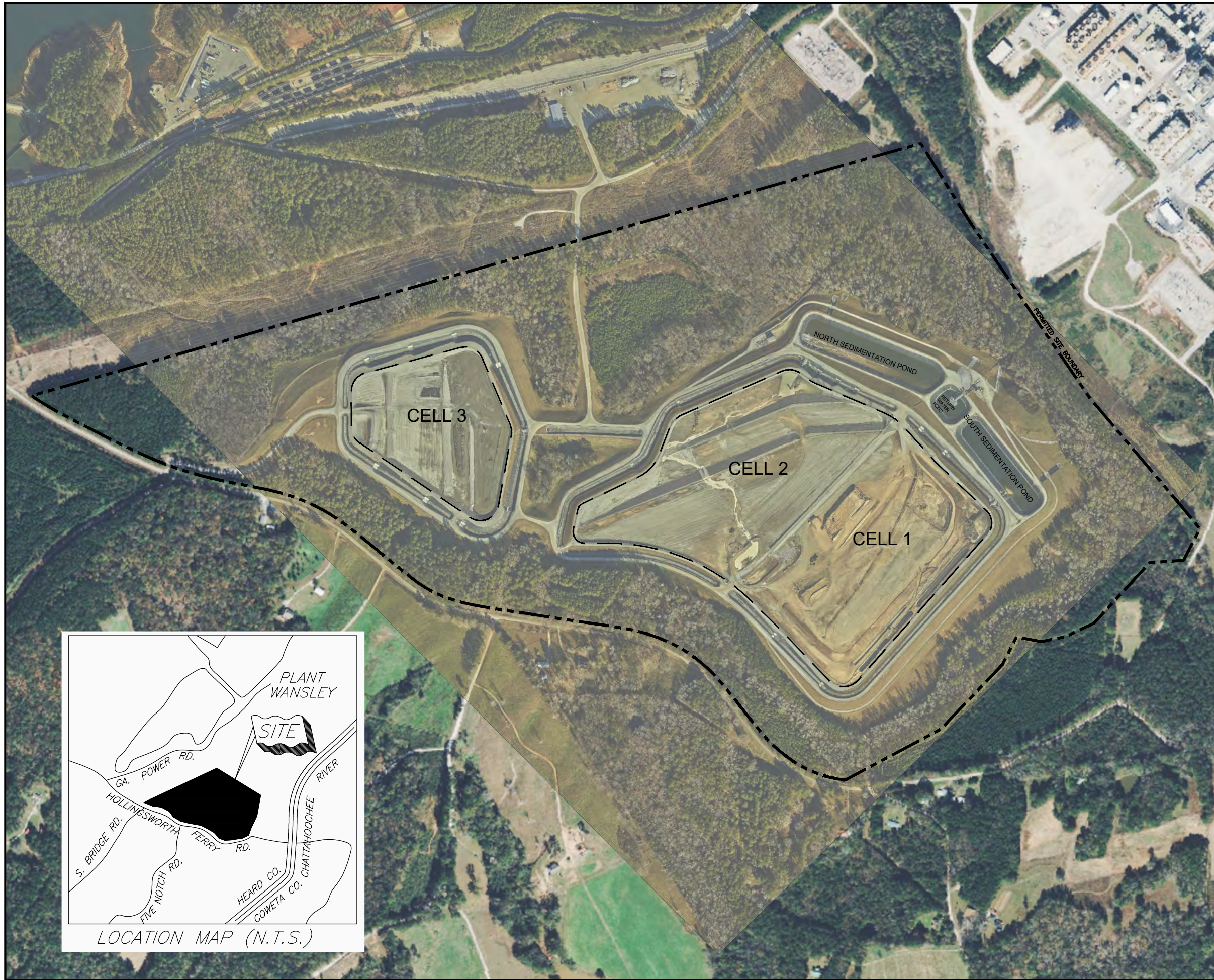
- GWC-14
  - A source other than the CCR unit caused the boron and chloride SSIs (operational issue and repair)
- GWC-15
  - A source other than the CCR unit caused the boron SSI (operational issue and repair)

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.

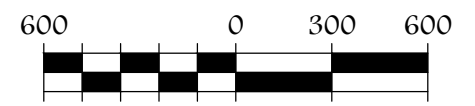
### 4.0 References

- 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



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CONSULTING, INC.

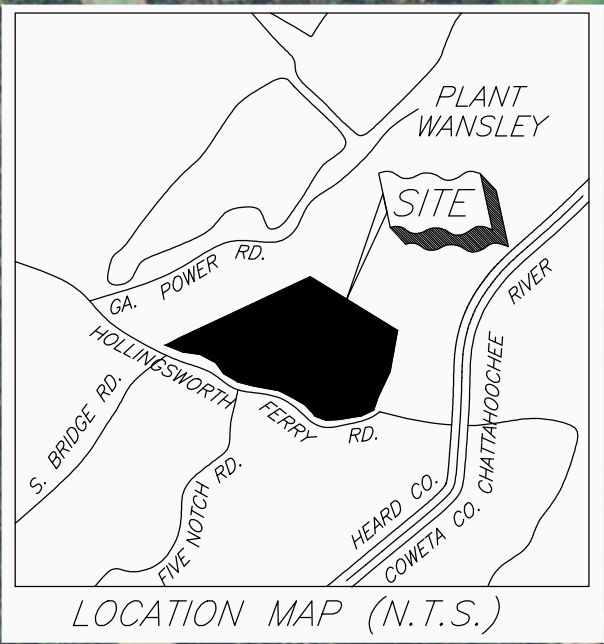


SCALE (IN FEET)

### 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 COMPANY  
PLANT WANSLEY LANDFILL

ALTERNATE SOURCE DEMONSTRATION

#### SITE MAP

PROJECT NO. I054-110

June 2022

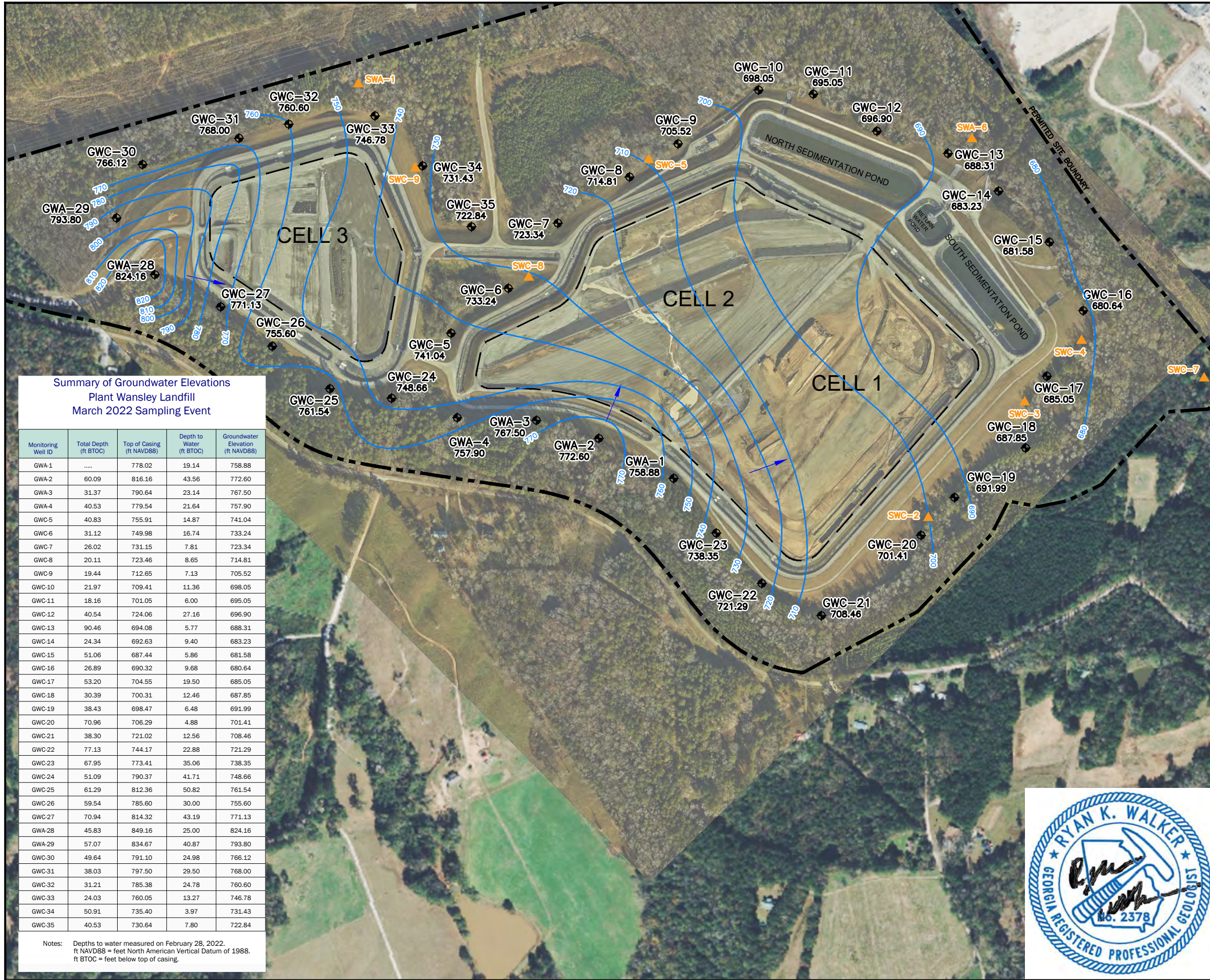
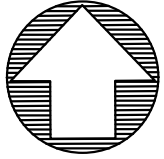

DRAWN BY: MM

FIGURE:

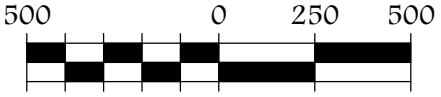
CHECKED BY: RW

1



ATLANTIC COAST CONSULTING, INC.










SCALE (IN FEET)

Summary of Groundwater Elevations  
Plant Wansley Landfill  
March 2022 Sampling Event

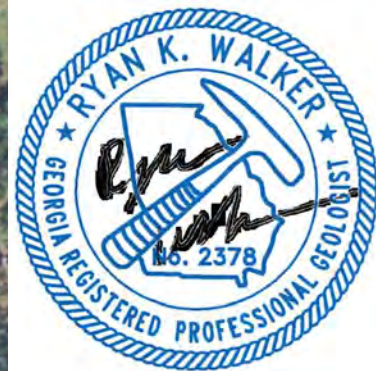
Monitoring Well ID	Total Depth (ft BTOC)	Top of Casing (ft NAVD88)	Depth to Water (ft BTOC)	Groundwater Elevation (ft NAVD88)
GWA-1	.....	778.02	19.14	758.88
GWA-2	60.09	816.16	43.56	772.60
GWA-3	31.37	790.64	23.14	767.50
GWA-4	40.53	779.54	21.64	757.90
GWC-5	40.83	755.91	14.87	741.04
GWC-6	31.12	749.98	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.

### LEGEND:

EXISTING	DESCRIPTION
	APPROXIMATE PROPERTY BOUNDARY
	APPROXIMATE LANDFILL/CELL BOUNDARY
	MONITORING WELL
	GROUNDWATER ELEVATION
	SURFACE WATER MONITORING POINT
	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 COMPANY  
PLANT WANSLEY LANDFILL  
ALTERNATE SOURCE DEMONSTRATION

## POTENTIOMETRIC CONTOUR MAP MARCH 2022

PROJECT NO. I054-110 June 2022

DRAWN BY:	JB	FIGURE:	2
CHECKED BY:	MM		

Figure 3  
Boron Time Series Plot for GWC-14 and GWC-15

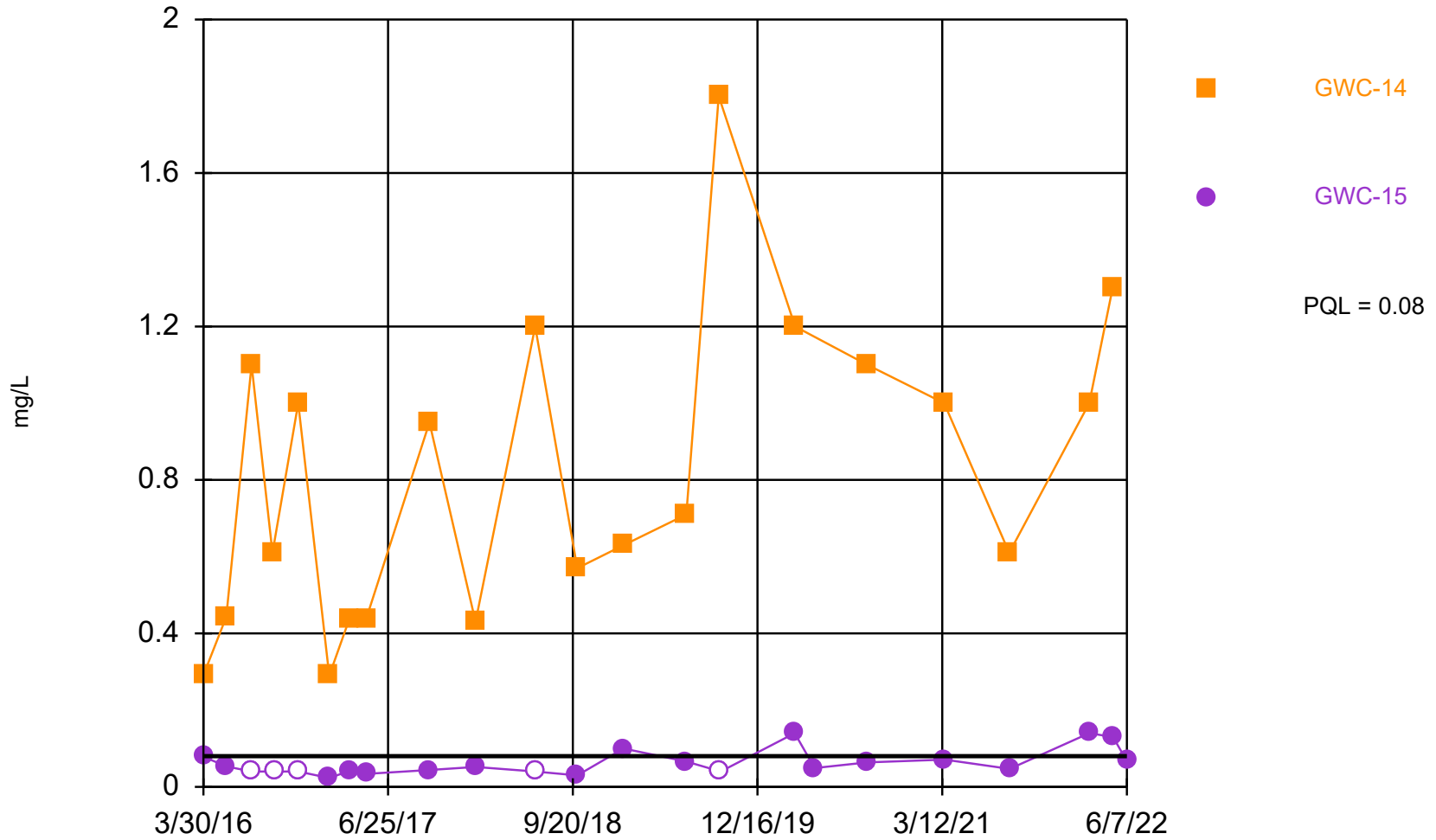
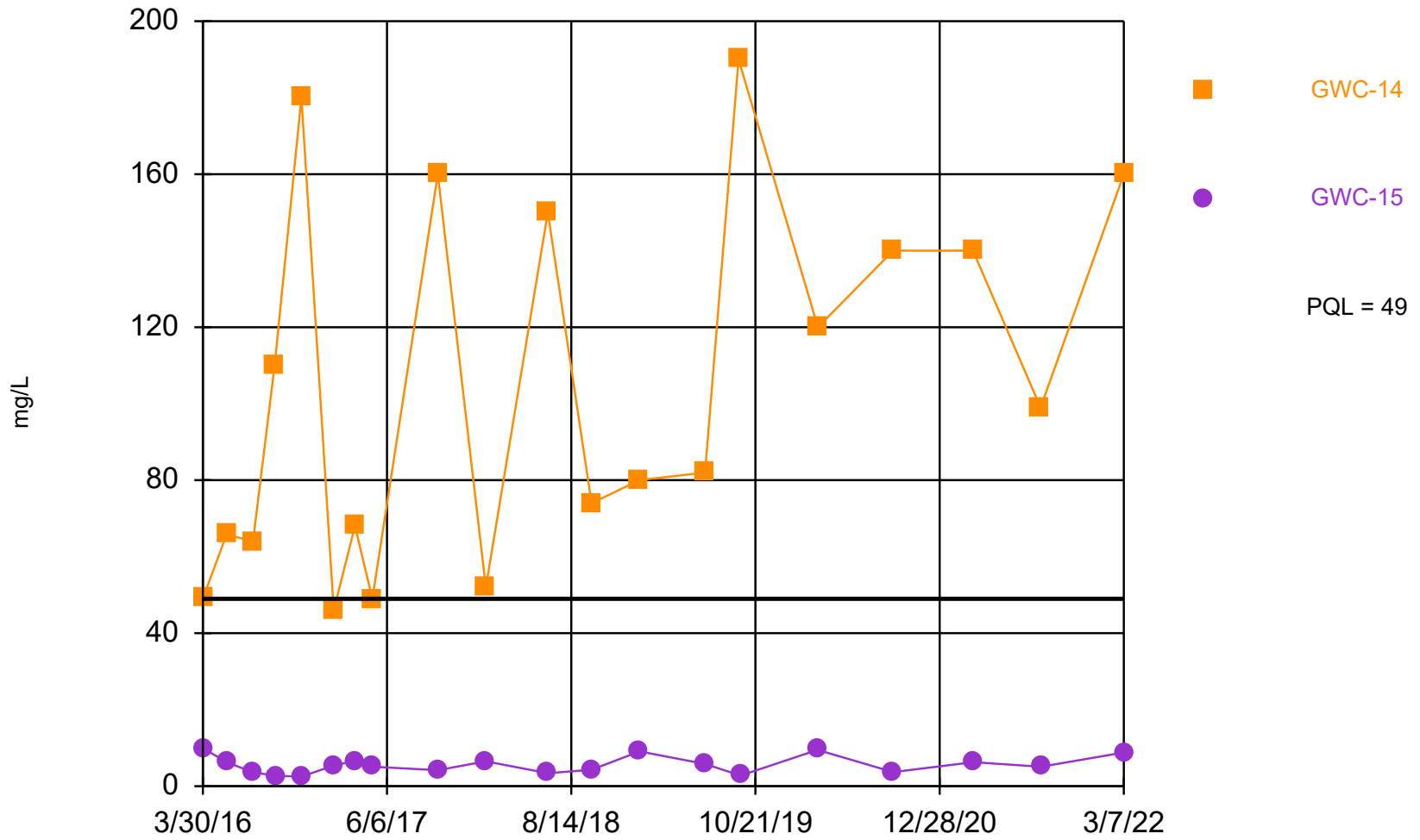
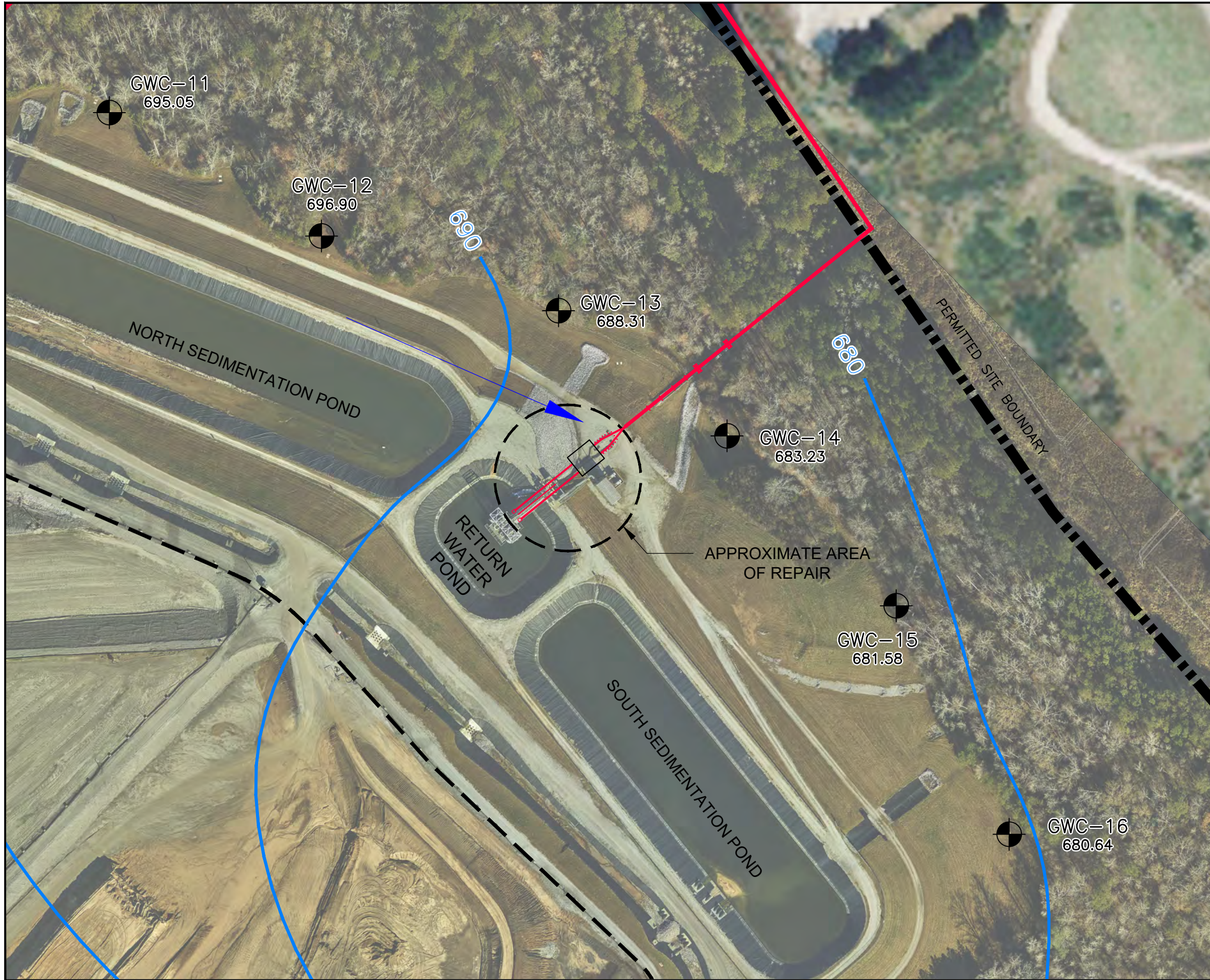
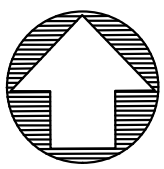

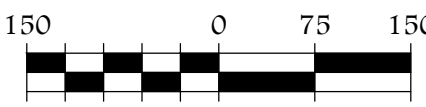


Figure 4  
Chloride Time Series Plot for GWC-14 and GWC-15





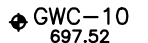







ATLANTIC COAST CONSULTING, INC.




SCALE (IN FEET)

**LEGEND:**

EXISTING	DESCRIPTION
	APPROXIMATE PROPERTY BOUNDARY
	APPROXIMATE LANDFILL/CELL BOUNDARY
	MONITORING WELL GROUNDWATER ELEVATION
	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 COMPANY  
PLANT WANSLEY LANDFILL  
ALTERNATE SOURCE DEMONSTRATION

**LOCATION OF RETURN WATER LINE**

PROJECT NO. I054-110		JULY 2022
<b>DRAWN BY:</b>	AS	<b>FIGURE:</b>  5
<b>CHECKED BY:</b>	MJ	

## 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**

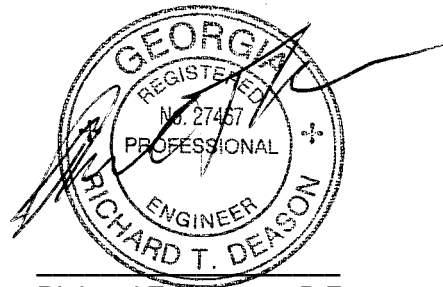


## Certification Statement

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



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Cover Sheet

Certification Statement

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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

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# 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

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## 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 as 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 to 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 (HDPE) liner underlain by a geosynthetic clay liner (GCL), a 6-inch layer of compacted clay (maximum permeability of  $1 \times 10^{-5}$  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.

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## 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.

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## 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

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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

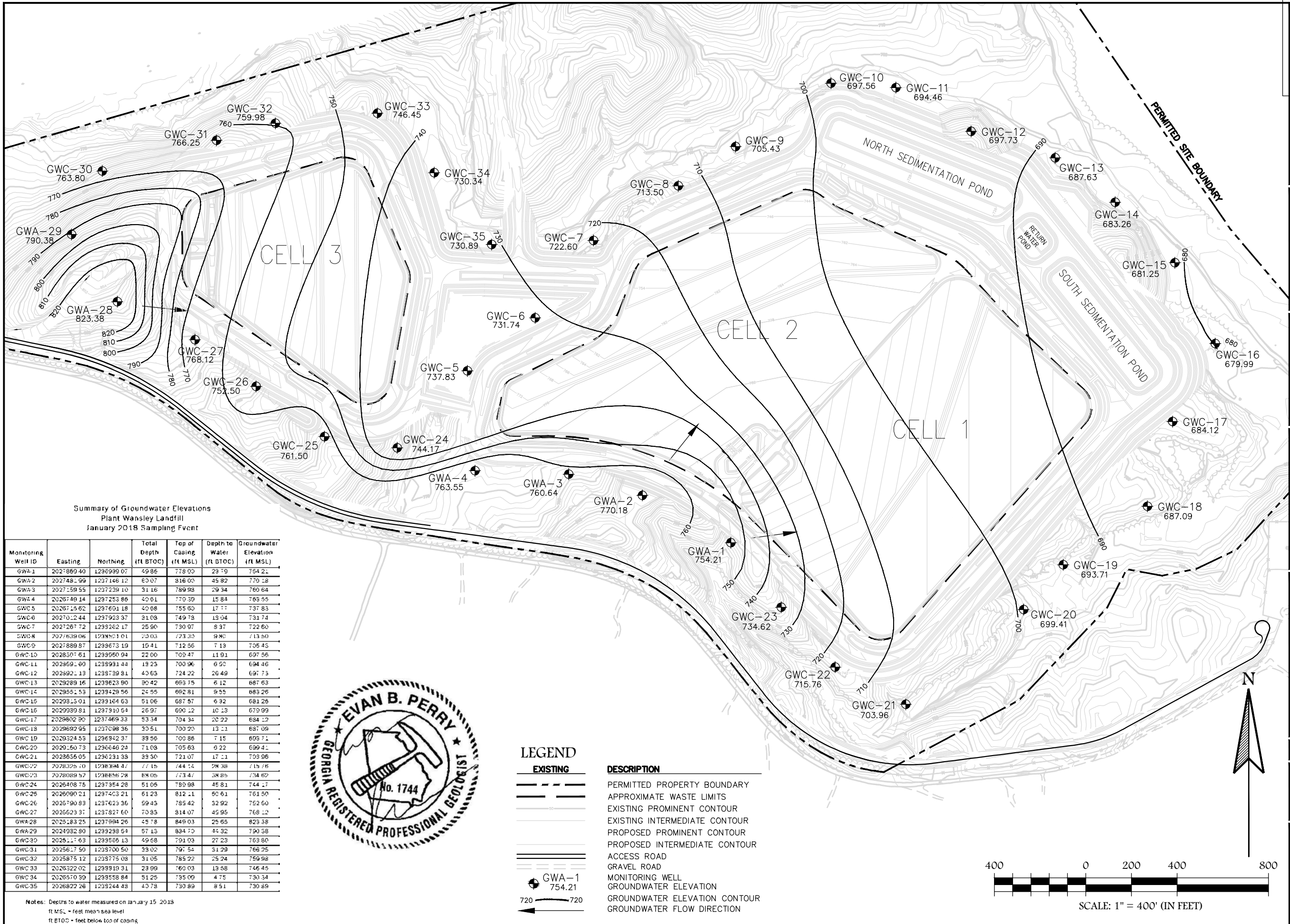
NO.	DATE	DESCRIPTION

Drawn by: MM Checked by: EP

PROJECT NUMBER:  
**I054-110**  
March 2018

**JANUARY 2018  
POTENTIOMETRIC  
SURFACE MAP**

FIGURE 2



Summary of Groundwater Elevations  
Plant Wansley Landfill  
January 2018 Sampling Event

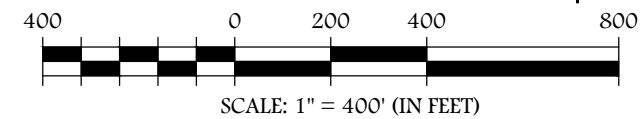
Monitoring Well ID	Eastings	Northing	Total Depth (ft BTOC)	Top of Casing (ft MSL)	Depth to Water (ft BTOC)	Groundwater Elevation (ft MSL)
GWA-1	2027869.40	1295999.07	49.86	778.00	23.79	754.21
GWA-2	2027481.99	1297146.12	83.07	816.00	45.82	770.18
GWA-3	2027159.55	1297239.10	31.16	789.98	29.34	760.64
GWA-4	2026749.14	1297253.86	40.61	770.39	15.84	754.55
GWA-5	2026715.62	1297601.18	40.68	755.60	17.77	737.83
GWC-1	2027012.44	1297923.37	31.08	749.78	19.04	730.74
GWC-2	2027267.72	1295262.17	25.90	730.97	8.37	722.60
GWC-3	2027639.06	1298531.01	73.03	773.33	9.40	763.93
GWC-4	2027889.87	1298673.19	19.41	712.56	7.19	705.37
GWC-5	2028307.61	1299560.94	22.00	709.47	11.91	697.56
GWC-6	2028591.60	1299931.44	19.23	700.96	6.90	694.06
GWC-7	2028921.13	1298739.81	40.63	724.22	20.49	693.73
GWC-8	2029289.16	1298623.90	30.42	693.75	6.12	687.63
GWC-9	2029551.53	1298428.56	24.55	662.81	8.55	654.26
GWC-10	2029815.01	1298164.63	51.06	687.57	6.32	681.25
GWC-11	2029989.81	1297910.64	26.97	690.12	10.13	679.99
GWC-12	2029802.20	1297469.33	53.34	704.34	20.22	684.12
GWC-13	2029692.95	1297088.36	33.51	700.20	13.11	687.09
GWC-14	2029324.55	1296932.37	39.56	700.86	7.15	693.71
GWC-15	2029150.73	1296646.24	71.08	705.63	6.22	699.41
GWC-16	2028856.05	1296231.38	39.30	721.07	17.11	703.96
GWC-17	2028325.70	1296944.47	77.15	744.14	29.38	714.76
GWC-18	2028089.57	1296886.28	84.05	773.47	38.85	734.62
GWC-19	2028408.75	1297354.28	51.06	789.98	45.81	744.17
GWC-20	2028090.21	1297403.21	61.23	812.11	60.61	751.50
GWC-21	2028790.83	1297423.36	59.43	785.42	32.92	752.50
GWC-22	2028523.37	1297827.60	70.83	814.07	45.95	768.12
GWA-23	2025183.25	1297994.26	45.78	849.03	25.65	823.38
GWA-24	2024982.80	1299298.64	67.13	834.70	41.32	793.38
GWC-25	2025117.63	1299566.13	49.58	791.03	27.23	763.80
GWC-26	2025617.50	1298700.50	39.02	797.54	31.29	766.25
GWC-27	2025875.12	1298775.08	31.05	785.22	25.24	759.98
GWC-28	2026322.02	1298919.31	29.89	760.03	13.58	746.45
GWC-29	2026570.59	1298558.84	51.29	795.09	4.75	790.34
GWC-30	2026822.26	1298244.48	40.78	730.89	8.51	722.38

Notes: Depths to water measured on January 15, 2018  
ft MSL = feet mean sea level  
ft BTOC = feet below top of casing



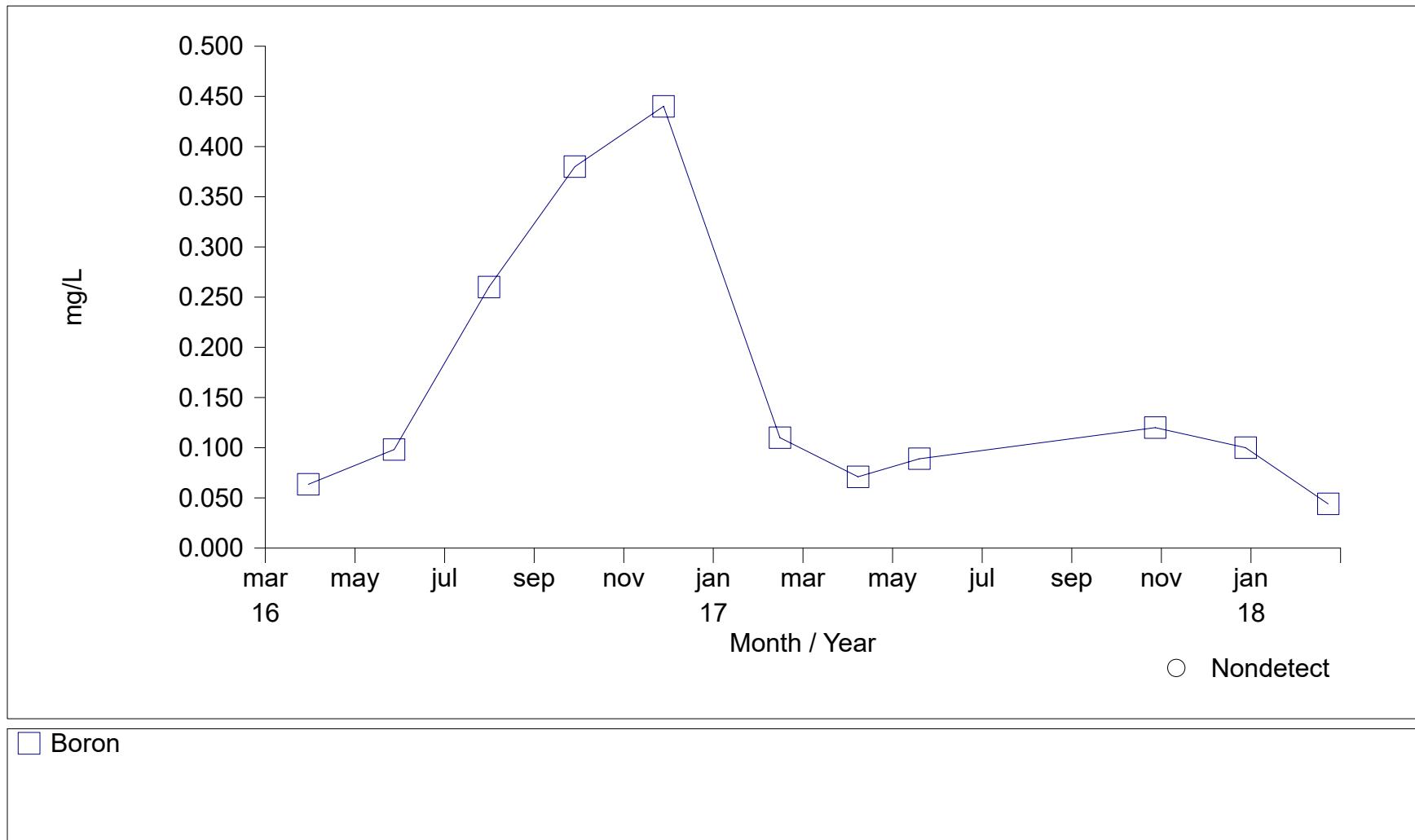
LEGEND

EXISTING	DESCRIPTION
---	PERMITTED PROPERTY BOUNDARY
- - - -	APPROXIMATE WASTE LIMITS
— · — ·	EXISTING INTERMEDIATE CONTOUR
— · — · — ·	EXISTING PROMINENT CONTOUR
— · — · — · — ·	PROPOSED PROMINENT CONTOUR
— · — · — · — · — ·	PROPOSED INTERMEDIATE CONTOUR
— · — · — · — · — · — ·	ACCESS ROAD
— · — · — · — · — · — · — ·	GRAVEL ROAD
⊕	MONITORING WELL
720	GROUNDWATER ELEVATION
→	GROUNDWATER FLOW DIRECTION



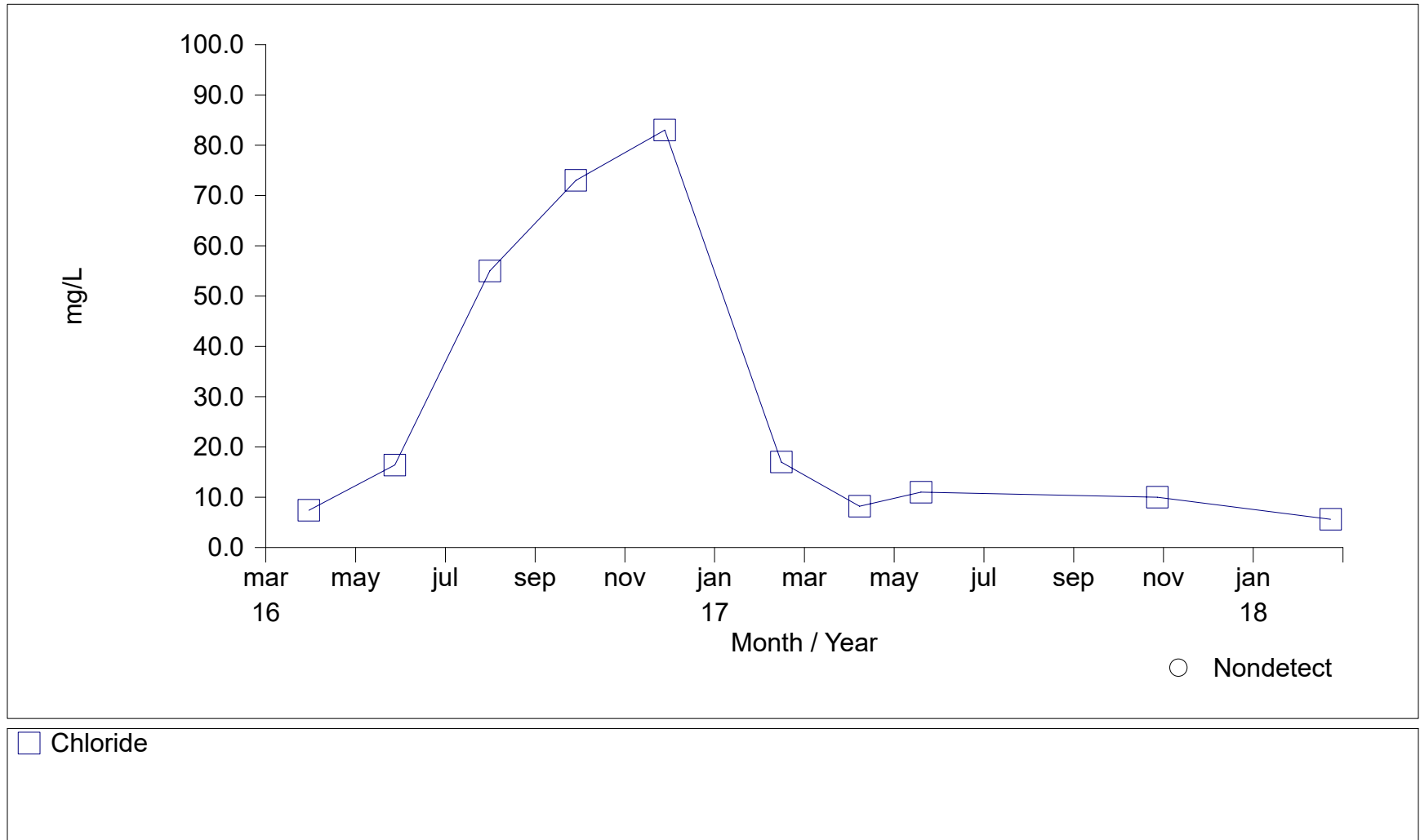
**FIGURE 3**

Boron Time Series Plot for GWC-9



### FIGURE 4

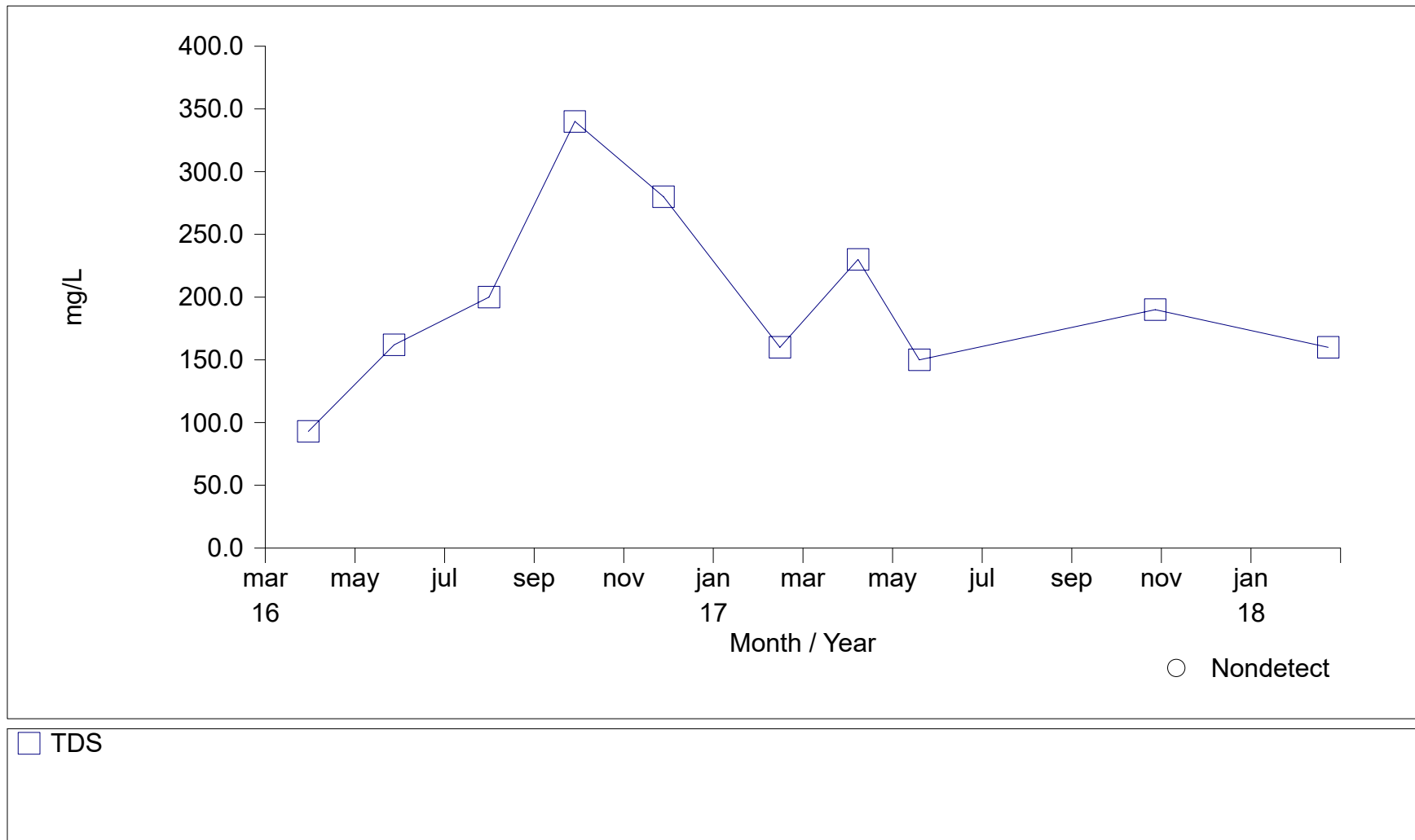
Chloride Time Series Plot for GWC-9





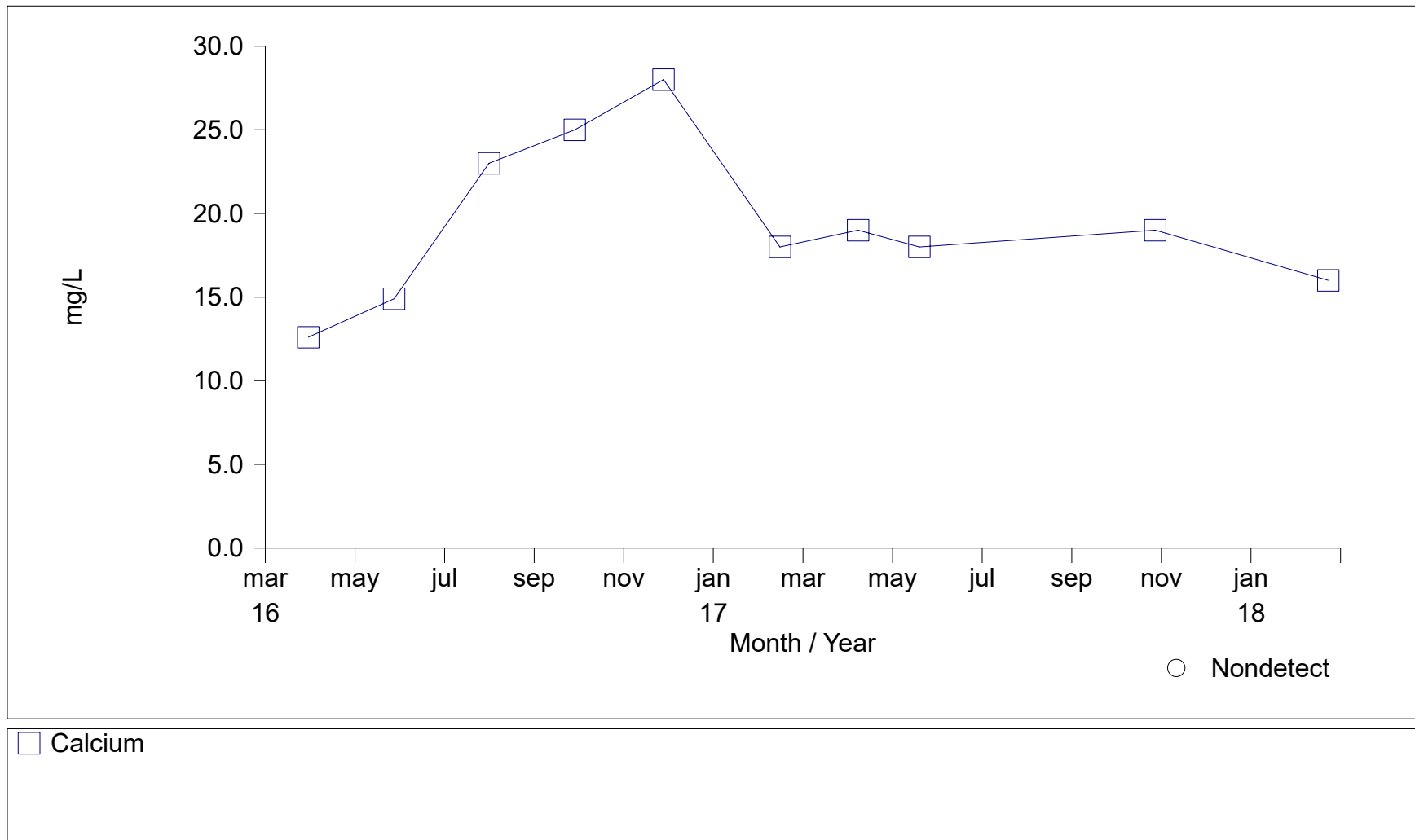
### FIGURE 5

TDS Time Series Plot for GWC-9

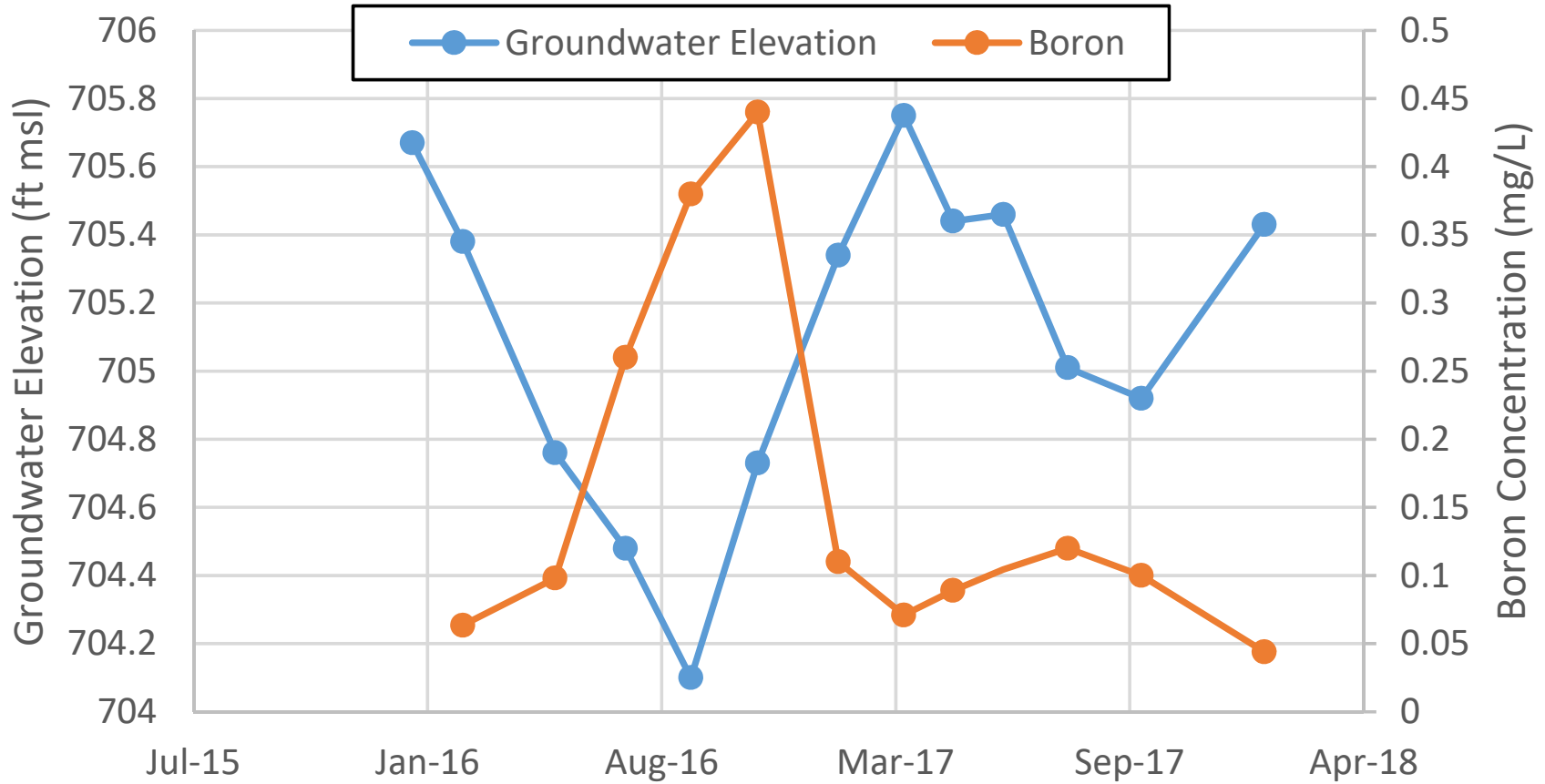


### FIGURE 6

Calcium Time Series Plot for GWC-9

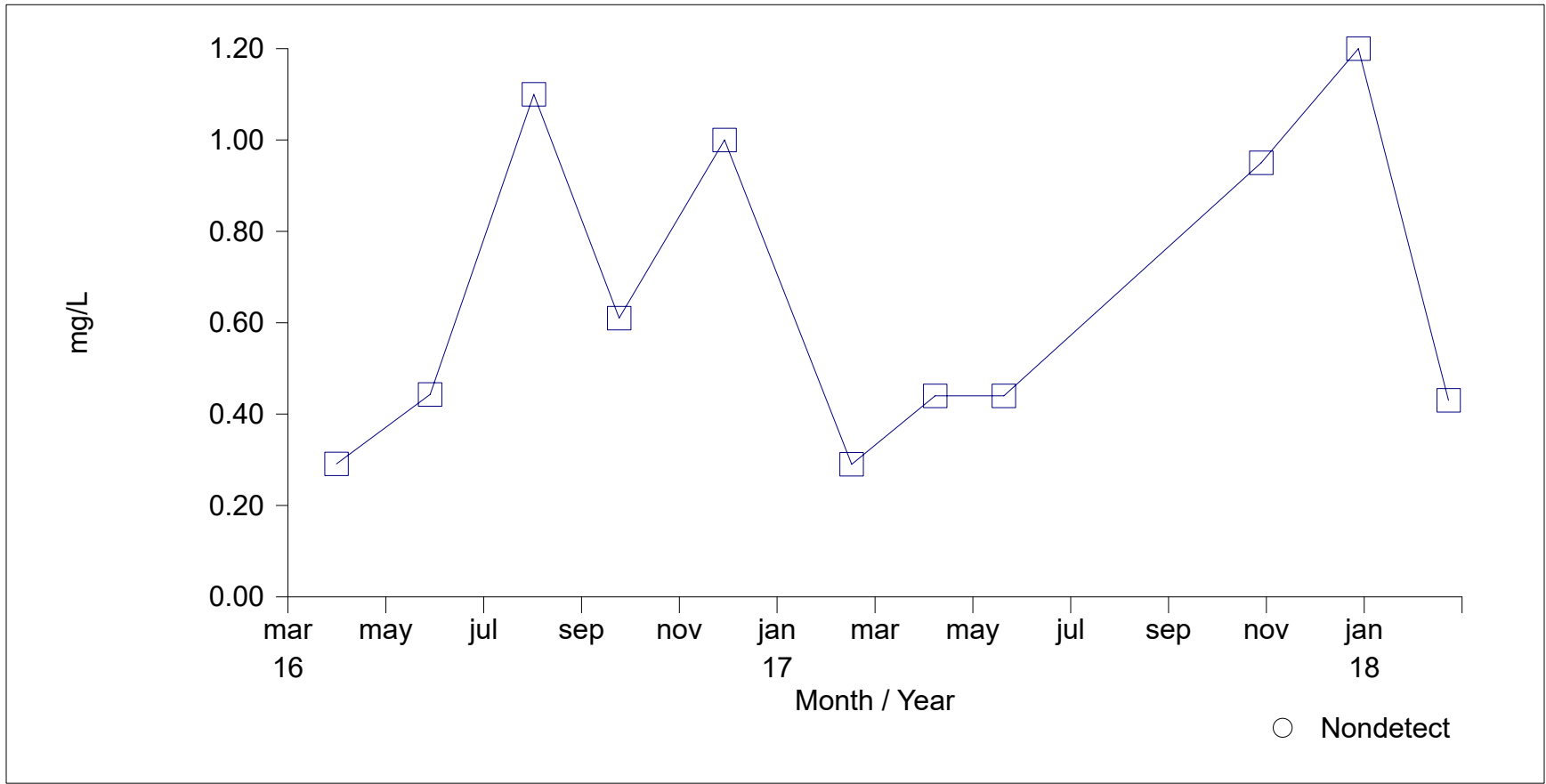


**FIGURE 7 - GWC-9 Groundwater Elevation and Boron Time Series**



**FIGURE 8**

Boron Time Series Plot for GWC-14

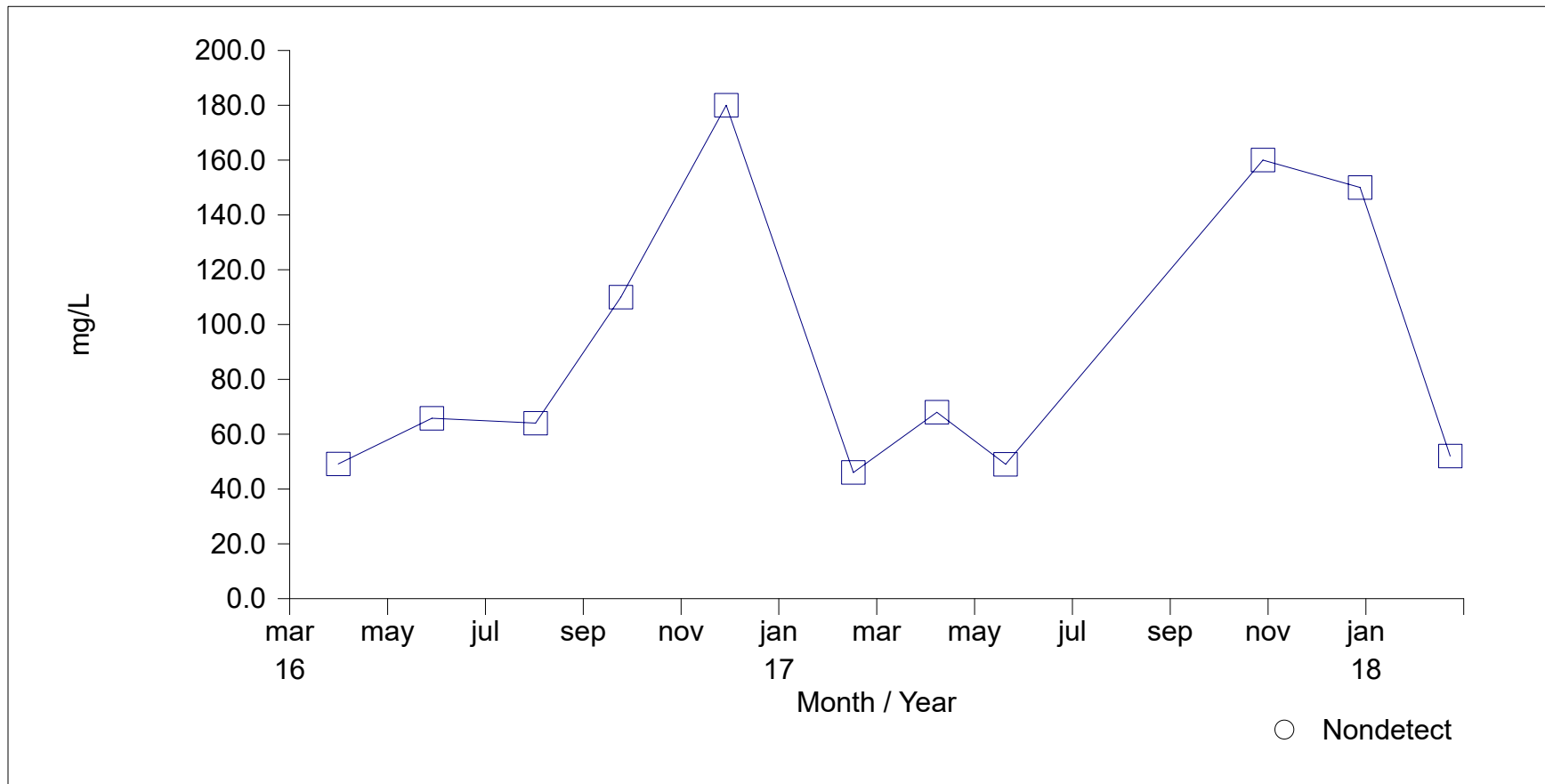


□ Boron

○ Nondetect

# FIGURE 9

Chloride Time Series Plot for GWC-14

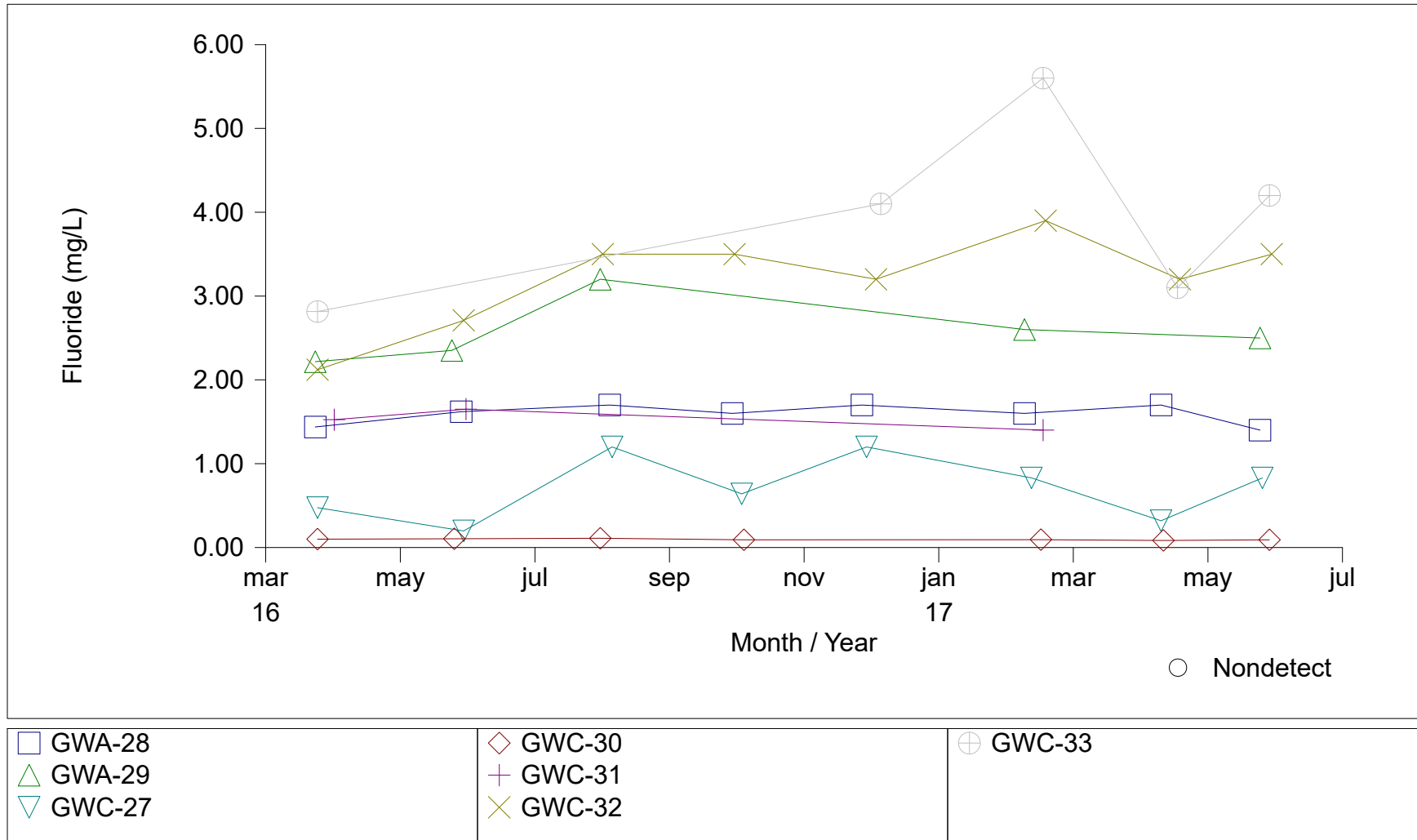


□ Chloride

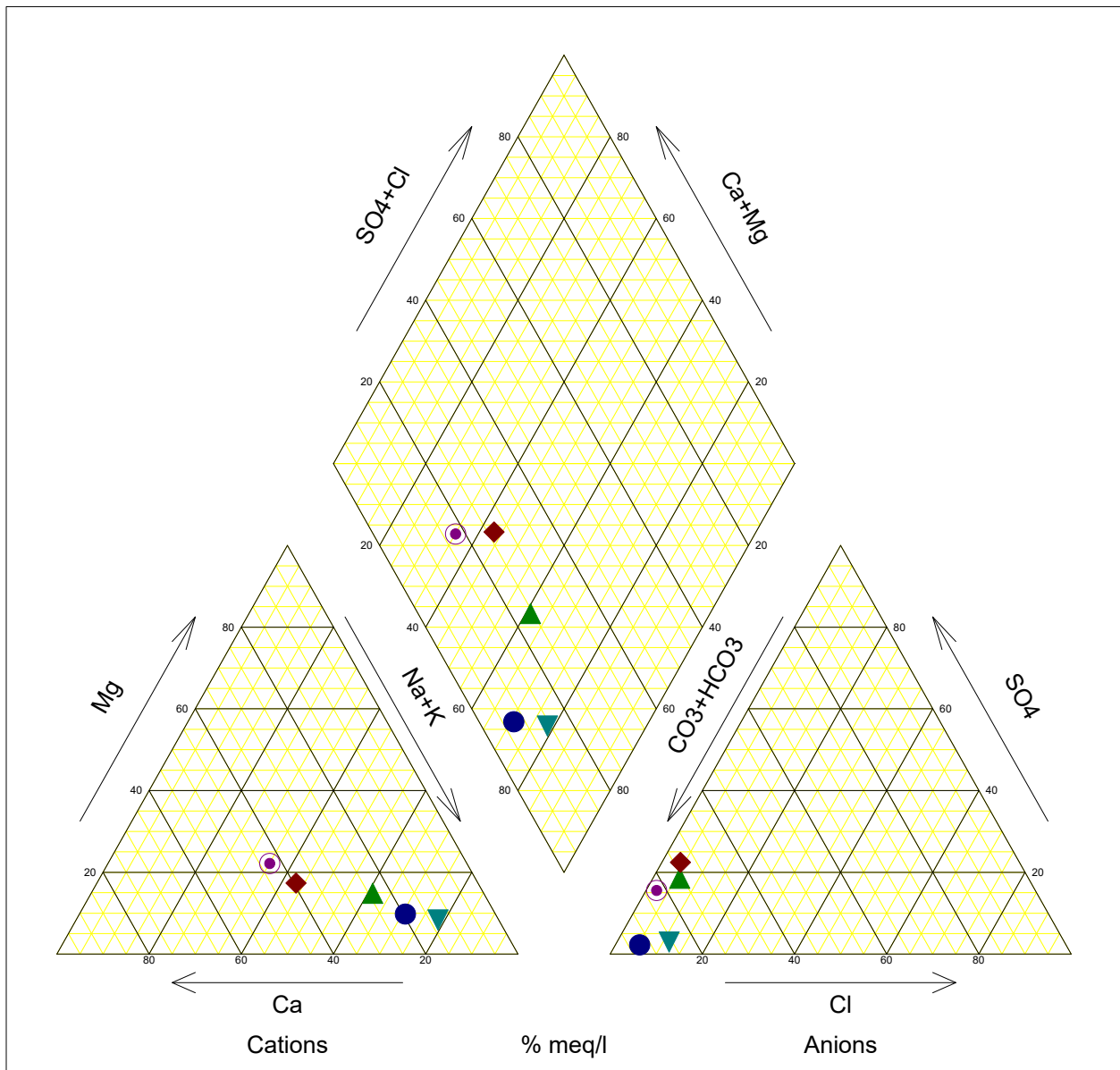
○ Nondetect

**FIGURE 10**

Fluoride Time Series Plot for Cell 3 Monitoring Wells

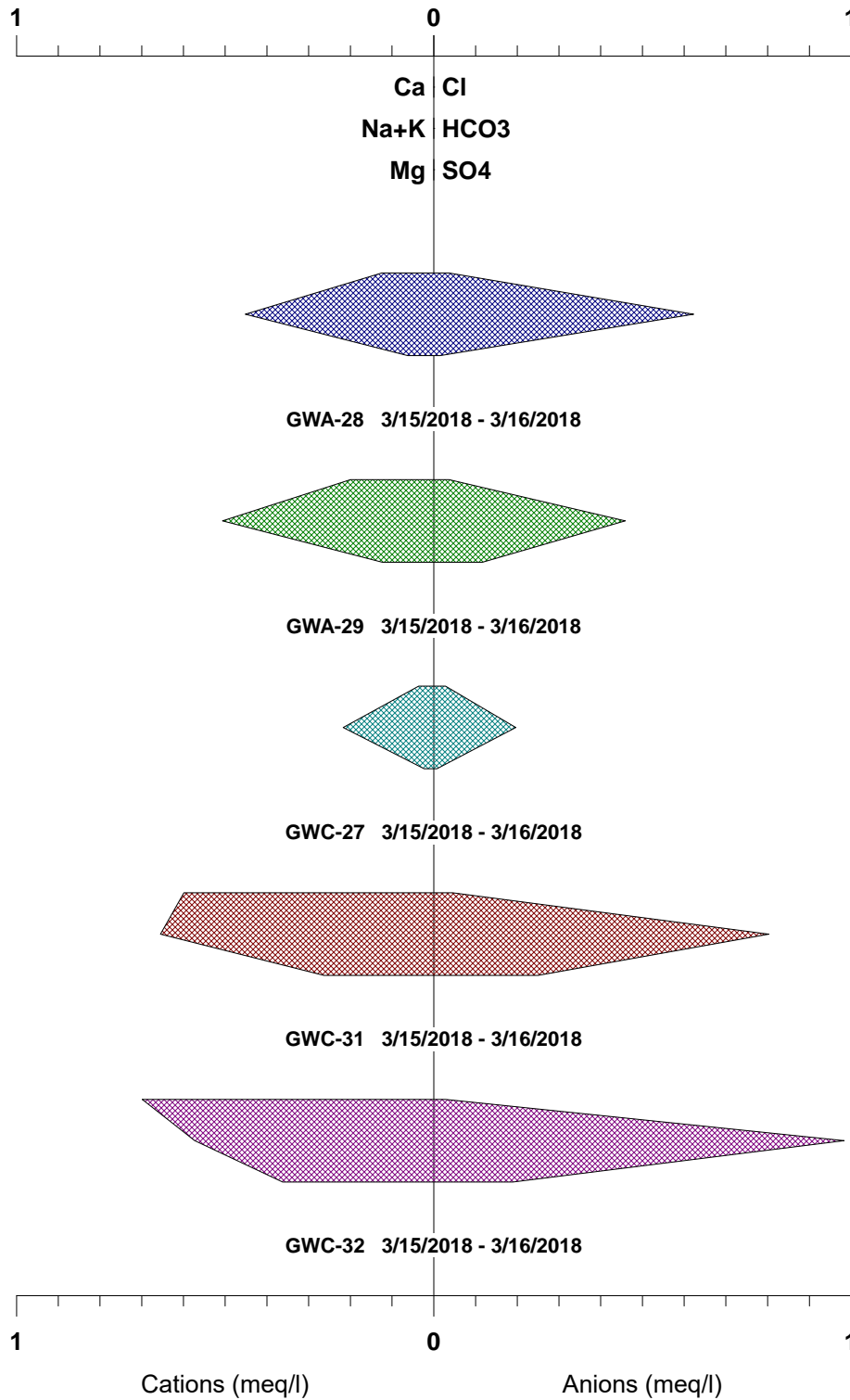


**FIGURE 11**  
Piper Plot for Cell 3 Monitoring Wells



●	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

**FIGURE 12**  
Stiff Diagrams for Cell 3 Monitoring Wells





**ATTACHMENT A – Boring Logs**

---



# LOG OF TEST BORING

**BORING GWC-27**  
PAGE 1 OF 2

SOUTHERN COMPANY SERVICES, INC.  
EARTH SCIENCE AND ENVIRONMENTAL ENGINEERING

PROJECT Plant Wansley  
LOCATION Carrollton, Georgia

DATE STARTED 2/16/2011 COMPLETED 2/16/2011 SURF. ELEV. Not Surveyed COORDINATES: \_\_\_\_\_

CONTRACTOR Boart Longyear EQUIPMENT \_\_\_\_\_ METHOD Rotosonic

DRILLED BY \_\_\_\_\_ LOGGED BY C. Sellers CHECKED BY \_\_\_\_\_ ANGLE \_\_\_\_\_ BEARING \_\_\_\_\_

BORING DEPTH 68 ft. GROUND WATER DEPTH: DURING \_\_\_\_\_ COMP. \_\_\_\_\_ DELAYED \_\_\_\_\_

NOTES Well installed. Refer to well data sheet.

SIMPLE GEOLOGY LOG - ESEE DATABASE.GDT - 11/9/11 15:55 - T:\ESEE MAJOR PROJECTS\PROJECTS\WANSLEY\WANSLEY 2011\PLANT WANSLEY WELL LOGS.GPJ

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	HCL REACTION <small>Weak Moderate Strong</small>	COMMENTS
		<b>Silty Sand (SM)</b> - red (10R 5/6) dry <b>(PWR)</b> - white (10YR 8/1)		
5		<b>Silty Sand (SM)</b> - red (10R 5/6)		
		<b>Clayey Sand (SC)</b> - red (10R 5/6)		
10		<b>Silty Sand (SM)</b> - red (10R 5/6) micaceous		
15		<b>(PWR)</b> - red (10R 5/6) saprolite 0.5" white layer at 16.5'		
20		<b>Silty Sand (SM)</b> - yellowish brown / moderate yellowish brown (10YR 5/4) micaceous with red streaks		
25		<b>(PWR)</b> - yellowish brown / moderate yellowish brown (10YR 5/4) saprolite trace gravel		
30		<b>(PWR)</b> - red (10R 5/6) saprolite damp		
35		<b>(PWR)</b> - yellowish brown / moderate yellowish brown (10YR 5/4) saprolite damp		
40				

(Continued Next Page)



# LOG OF TEST BORING

**BORING GWC-27**  
PAGE 2 OF 2

SOUTHERN COMPANY SERVICES, INC.  
EARTH SCIENCE AND ENVIRONMENTAL ENGINEERING

PROJECT Plant Wansley  
LOCATION Carrollton, Georgia

SIMPLE GEOLOGY LOG - ESEE DATABASE.GDT - 11/9/11 15:55 - T:\ESEE MAJOR PROJECTS\PROJECTS\WANSLEY\2011\PLANT WANSLEY WELL LOGS.GPJ

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	HCL REACTION  Weak Moderate Strong	COMMENTS
		(PWR) (Con't)		
45		(PWR) - white (2.5Y 8/1) dry		
		(PWR) - yellowish brown / moderate yellowish brown (10YR 5/4) saprolite damp		
50		(PWR) - yellow (10YR 7/6) saprolite damp		
		(PWR) - yellowish brown / moderate yellowish brown (10YR 5/4) saprolite damp		
55				
		(PWR) - yellowish brown / moderate yellowish brown (10YR 5/4) saprolite wet, with gravel		
60				
65		GNEISS		
		Bottom of borehole at 68.0 feet.		
70				
75				
80				
85				



# LOG OF TEST BORING

**BORING GWA-28**  
PAGE 1 OF 1

SOUTHERN COMPANY SERVICES, INC.  
EARTH SCIENCE AND ENVIRONMENTAL ENGINEERING

PROJECT Plant Wansley  
LOCATION Carrollton, Georgia

DATE STARTED 2/22/2011 COMPLETED 2/22/2011 SURF. ELEV. Not Surveyed COORDINATES: \_\_\_\_\_

CONTRACTOR Boart Longyear EQUIPMENT \_\_\_\_\_ METHOD Rotosonic

DRILLED BY \_\_\_\_\_ LOGGED BY G. Dyer CHECKED BY \_\_\_\_\_ ANGLE \_\_\_\_\_ BEARING \_\_\_\_\_

BORING DEPTH 43 ft. GROUND WATER DEPTH: DURING \_\_\_\_\_ COMP. \_\_\_\_\_ DELAYED 19.4 ft. after 24 hrs.

NOTES Well installed. Refer to well data sheet.

GEOTECH ENGINEERING LOGS - ESEE DATABASE.GDT - 11/9/11 15:48 - T:\ESEE MAJOR PROJECTS\PROJECTS\WANSLEY 2011\PLANT WANSLEY WELL LOGS.GPJ

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	SAMPLE DEPTH (ft.)	BLOW COUNTS (N VALUE)	RECOVERY % (RQD)	COMMENTS
5		<p><b>Silty Sand (SM)</b> - orange, damp, low plasticity, w/ gravel sized pieces of quartz - quartz is angular - sample is weathered from schist, some clay found (approximately 10%), micas weathering to white clay minerals</p> <p>- orange, slightly damp, orange grading down to white; fewer clay minerals (approximately 5%), sediment is less consolidated than 0' - 4' section. white material is highly weathered schist, relic cleavages and foliations can barely be discerned</p>					no quartz, orange grades to white. perched 8' - 10' H2O.
10		<p><b>Schist</b> - white, tan, has weathered to medium grained sands w/ less than 10% silt, wet</p> <p>- mottled tan, brown, weathered, coarse sand to gravel sized, poorly sorted and graded, gravel sized pieces are structurally intact schist. grades to more tan, sand and gravel sized regolith, preferential bands of more competent schist found (dark), dry</p>					tan. orange. white/grey.
15		<p>- banded tan, orange, white, weathered, coarse sand to gravel sized, white sediments contain larger fragments of schist, dry</p>					
20		<p><b>Silty Sand (SM)</b> - tan, wet, medium grain</p>					last 10' drilled w/ water.
25		<p><b>Poorly-graded Sand (SP)</b> - mottled white, tan, orange, dry, fine to medium grain, w/ angular, gravel sized schist fragments</p>					
30		<p><b>Silty Sand (SM)</b> - mottled tan, white, dry, clay particles present less than 2%, angular gravel to boulder sized fragments of schist</p>					
35		<p><b>Partially Weathered Rock</b> - brown, orange, saprolite (schist/gneiss contact), zoned</p> <p><b>Gneiss</b> - banded grey, white, competent, relic structures and foliations intact, sugary pegmatic quartz coating on cuttings, prevalent zones of oxidation suggesting fractures, fractures identified parallel to cleavage planes</p>					
40							
45		Bottom of borehole at 43.0 feet.					



# LOG OF TEST BORING

**BORING GWA-29**  
PAGE 1 OF 1

SOUTHERN COMPANY SERVICES, INC.  
EARTH SCIENCE AND ENVIRONMENTAL ENGINEERING

PROJECT Plant Wansley

LOCATION Carrollton, Georgia

DATE STARTED 6/21/2011 COMPLETED 6/26/2011 SURF. ELEV. Not Surveyed COORDINATES: \_\_\_\_\_

CONTRACTOR SCS Field Services EQUIPMENT 550X METHOD 3 1/4" Hollow Stem Auger; HQ Casing; HQ Rock Core

DRILLED BY \_\_\_\_\_ LOGGED BY B. Gallagher/D. Brook CHECKED BY \_\_\_\_\_ ANGLE \_\_\_\_\_ BEARING \_\_\_\_\_

BORING DEPTH 54.7 ft. GROUND WATER DEPTH: DURING \_\_\_\_\_ COMP. \_\_\_\_\_ DELAYED 39.8 ft. after 1 hrs.

NOTES Well installed. Refer to well data sheet.

GEO TECH ENGINEERING LOGS - ESEE DATABASE.GDT - 11/9/11 15:48 - T:\ESEE MAJOR PROJECTS\PROJECTS\WANSLEY\WANSLEY 2011\PLANT WANSLEY WELL LOGS.GPJ

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	SAMPLE DEPTH (ft.)	BLOW COUNTS (N VALUE)	RECOVERY % (RQD)	COMMENTS
0 - 9.5		<b>Sandy Silt (ML)</b> - brown, damp					Auger Refusal at 9.5 ft.
9.5 - 10.5		<b>Silty Sand (SM)</b> - tan, damp					
10.5 - 10.9		<b>Poorly-graded Sand (SP)</b> - tan and white, damp					
10.9 - 14.7		<b>Gneiss</b> - gray and pink, medium to fine grain, soft, highly weathered - quartz bands at 10.6 ft - stained joint at 11 ft - medium hard, slightly weathered, slightly stained below 11.5 ft - stained joint at 13.2 ft - stained joint at 13.7 ft	RC -1	9.5-14.7	WR-WR-WR (0)	96 (17)	
14.7 - 19.7		- hard, slightly weathered, below 15.2 ft - 9 stained joints from 15.7 to 19.7 ft	RC -2	14.7-19.7	WR-WR-WR (0)	100 (52)	
19.7 - 24.7		- hard, not weathered, below 19.7 ft - 3 partially healed, slightly stained joints from 20.9 to 24.6 ft	RC -3	19.7-24.7	WR-WR-WR (0)	100 (96)	
24.7 - 29.7		- hard, slightly weathered, below 24.3 ft - soft to hard, highly to slightly weathered, with 11 weathered, stained joints from 24.7 to 26.5 ft	RC -4	24.7-29.7	WR-WR-WR (0)	100 (42)	
29.7 - 34.7		- hard, slightly weathered, below 26.5 ft - slightly weathered, stained joints from 29.7 to 34.7	RC -5	29.7-34.7	WR-WR-WR (0)	100 (74)	
34.7 - 39.7		- healed fractures broken by coring from 33.7 to 34.7 ft - high-angle joint with dry gray clay coating from 35.9 to 36.5	RC -6	34.7-39.7	WR-WR-WR (0)	100 (60)	
39.7 - 44.7		- stained, healed, high-angle joint from 37.2 to 37.7 - stained, high-angle joint from 38.7 to 39.7	RC -7	39.7-44.7	WR-WR-WR (0)	100 (68)	Lost circulation at 39.5 ft. 50% return beginning at 40 ft. Lost circulation at 40.5 ft.
44.7 - 49.7		- heavily stained, high-angle joint at 41.7 ft	RC -8	44.7-49.7	WR-WR-WR (0)	90 (16)	
49.7 - 54.7		- heavily stained, high-angle joint at 43.7 ft - heavily stained, high-angle joint at 44.2 ft	RC -9	49.7-54.7	WR-WR-WR (0)		
Bottom of borehole at 54.7 feet.							



# LOG OF TEST BORING

**BORING GWC-31**  
PAGE 1 OF 1

SOUTHERN COMPANY SERVICES, INC.  
EARTH SCIENCE AND ENVIRONMENTAL ENGINEERING

PROJECT Plant Wansley

LOCATION Carrollton, Georgia

DATE STARTED 6/20/2011 COMPLETED 6/21/2011 SURF. ELEV. Not Surveyed COORDINATES: \_\_\_\_\_

CONTRACTOR SCS Field Services EQUIPMENT 550X METHOD 3 1/4" Hollow Stem Auger; HQ Casing; HQ Rock Core

DRILLED BY \_\_\_\_\_ LOGGED BY B. Gallagher CHECKED BY \_\_\_\_\_ ANGLE \_\_\_\_\_ BEARING \_\_\_\_\_

BORING DEPTH 34.2 ft. GROUND WATER DEPTH: DURING \_\_\_\_\_ COMP. \_\_\_\_\_ DELAYED \_\_\_\_\_

NOTES Well installed. Refer to well data sheet.

GEOTECH ENGINEERING LOGS - ESEE DATABASE.GDT - 11/9/11 15:48 - T:\ESEE MAJOR PROJECTS\PROJECTS\WANSLEY\WANSLEY 2011\PLANT WANSLEY WELL LOGS.GPJ

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	SAMPLE DEPTH (ft.)	BLOW COUNTS (N VALUE)	RECOVERY % (RQD)	COMMENTS	
0 - 4.7		<b>Silty Sand (SM)</b> - brown, damp, medium dense, fine grain						
4.7 - 5.9		<b>Sandy Silt (ML)</b> - tan, damp, medium dense						
5.9 - 4.7		<b>Gneiss</b> - pink and white, medium to fine grain, hard, slightly weathered, granitoid; with 7 stained slightly weathered joints from 4.7 to 7.4 ft. - 0.25" quartz vein at 5.9 ft. - 4 coated joints from 7.4 to 9.2 ft.	RC -1	4.7-9.2	WR-WR-WR (0)	96 (49)	Auger refusal at 4.7 ft.	
9.2 - 11.6		- stained, semi-vertical joint from 11.6 to 12.2 ft.	RC -2	9.2-14.2	WR-WR-WR (0)	100 (84)		
14.2 - 15.2		- pink and gray, no weathering below 14.2 ft - horizontal, slightly weathered joint at 14.8 ft - horizontal, slightly weathered joint at 15.2 ft	RC -3	14.2-19.2	WR-WR-WR (0)	100 (86)		
17.6 - 18.4		- sub-horizontal, slightly weathered joint at 17.6 ft - sub-horizontal, slightly weathered joint at 18.4 ft						
20 - 21.5		- slightly weathered, stained joint at 20 ft - slightly weathered with 0.1 ft quartz lens from 21 to 21.5 ft - healed joint at 22.2 ft.	RC -4	19.2-24.2	WR-WR-WR (0)	100 (90)		Lost Circulation at 21 ft.
23.9 - 27.2		- slightly weathered, stained joint at 23.9 ft - slightly weathered, stained joint at 25.4 ft - slightly weathered from 26.2 to 26.7 ft - slightly weathered, stained joint at 27.2 ft	RC -5	24.2-29.2	WR-WR-WR (0)	100 (88)		
30.3 - 32.5		- slightly weathered from 30.3 to 31.9 ft - slightly weathered, medium hard joint at 31.3 ft. - stained, near vertical joint from 32.2 to 32.5 ft.	RC -6	29.2-34.2	WR-WR-WR (0)	100 (76)		
34.2		Bottom of borehole at 34.2 feet.						



# LOG OF TEST BORING

**BORING GWC-32**  
PAGE 1 OF 1

SOUTHERN COMPANY SERVICES, INC.  
EARTH SCIENCE AND ENVIRONMENTAL ENGINEERING

PROJECT Plant Wansley  
LOCATION Carrollton, Georgia

DATE STARTED 2/18/2011 COMPLETED 2/18/2011 SURF. ELEV. Not Surveyed COORDINATES: \_\_\_\_\_

CONTRACTOR Boart Longyear EQUIPMENT \_\_\_\_\_ METHOD Rotosonic

DRILLED BY \_\_\_\_\_ LOGGED BY C. Sellers CHECKED BY \_\_\_\_\_ ANGLE \_\_\_\_\_ BEARING \_\_\_\_\_

BORING DEPTH 30 ft. GROUND WATER DEPTH: DURING \_\_\_\_\_ COMP. \_\_\_\_\_ DELAYED \_\_\_\_\_

NOTES Well installed. Refer to well data sheet.

SIMPLE GEOLOGY LOG - ESEE DATABASE.GDT - 11/9/11 15:55 - T:\ESEE MAJOR PROJECTS\PROJECTS\WANSLEY\WANSLEY 2011\PLANT WANSLEY WELL LOGS.GPJ

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	HCL REACTION		COMMENTS
			Weak	Moderate Strong	
		<b>Clayey Sand (SC)</b> - light red / moderate reddish orange (10R 6/6)			
5		<b>Clayey Sand (SC)</b> - weak red / pale reddish brown (10R 5/4) with weathered SCHIST gravel			
10		<b>Clayey Sand (SC)</b> - yellowish brown / moderate yellowish brown (10YR 5/4) damp			
		<b>Clayey Sand (SC)</b> - brown (7.5YR 4/2) damp			
15		<b>Silty Sand (SM)</b> - light gray (10YR 7/1) with large SCHIST gravel			
20		<b>SCHIST</b> - and gray (10YR 5/1) slightly weathered, heavy red stain			
25					
30		<b>GNEISS</b> - and gray (10YR 5/1)			
		Bottom of borehole at 30.0 feet.			
35					
40					

**ATTACHMENT B – Laboratory Analytical Reports & Purge Data Sheets**

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# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## 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](mailto:cheyenne.whitmire@testamericainc.com)

### LINKS

Review your project  
results through

**TotalAccess**

Have a Question?



Visit us at:

[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# 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.

TestAmerica Pensacola

# Method Summary

Client: Southern Company  
Project/Site: Plant Wansley

TestAmerica Job ID: 400-150978-1  
SDG: ASD

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Method	Method Description	Protocol	Laboratory
9056	Anions, Ion Chromatography	SW846	TAL PEN

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**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

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# 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

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# Client Sample Results

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

**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

# Definitions/Glossary

Client: Southern Company  
Project/Site: Plant Wansley

TestAmerica Job ID: 400-150978-1  
SDG: ASD

## 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.
α	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

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley

TestAmerica Job ID: 400-150978-1  
SDG: ASD

## 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

<b>Client Contact</b> Atlantic Coast Consulting, Inc. 630 Colonial Park Drive, Suite 110 Roswell, GA 30075 Phone (770) 594-5998 FAX (770) 594-5967 Project Name: Plant Wansley ASD Site: Plant Wansley P O #		<b>Regulatory Program:</b> <input type="checkbox"/> DW <input type="checkbox"/> MPDES <input type="checkbox"/> RCRA <input type="checkbox"/> Other: <b>Project Manager:</b> Evan Perry Tel/Fax: (770) 594-5998 <b>Analysis Turnaround Time</b> <input type="checkbox"/> CALENDAR DAYS <input type="checkbox"/> WORKING DAYS TAT if different from Below _____ <input type="checkbox"/> 2 weeks <input checked="" type="checkbox"/> 1 week <input type="checkbox"/> 2 days <input type="checkbox"/> 1 day		<b>Site Contact:</b> Evan Perry <b>Lab Contact:</b> Cheyenne Whitmire Date: _____ Carrier: _____		COC No: 1 of 1 COCs Sampler: _____ For Lab Use Only: Walk-in Client: _____ Lab Sampling: _____ Job / SDG No.: _____	
<b>Sample Identification</b> PB-3 Long Island Gneiss 56-57' PB-4 Long Island Gneiss 49-50' PB-8 Schist/Amphibolite 123-124' PB-9 Schist/Amphibolite 65-66' APC-5D Quartzite 90-91'		Filtered Sample (Y/N) _____ Perform MS / MSD (Y/N) _____ Fluoride 9056 _____		Sample Specific Notes: _____			



**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

**Special Instructions/QC Requirements & Comments:**

Cooler Temp. (°C): Obs'd: 15.1°C IR7  
 Corrid: \_\_\_\_\_  
 Therm ID No.: \_\_\_\_\_

**Sample Disposal ( A fee may be assessed if samples are retained longer than 1 month)**

Return to Client  Disposal by Lab  Archive for \_\_\_\_\_ Months

<b>Custody Seal No.:</b>	Received by:	Company:	Date/Time:
	<i>[Signature]</i>	Atlantic Coast Consulting, Inc.	3/16/18 11:50
<b>Relinquished by:</b>	Received by:	Company:	Date/Time:
<i>[Signature]</i>	<i>[Signature]</i>	TA-PEN	3-17-18 08:24
<b>Relinquished by:</b>	Received in Laboratory by:	Company:	Date/Time:



## 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

# TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

## 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](mailto:cheyenne.whitmire@testamericainc.com)

### LINKS

Review your project  
results through  
**TotalAccess**

Have a Question?



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[www.testamericainc.com](http://www.testamericainc.com)

*The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.*

*This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.*

*Results relate only to the items tested and the sample(s) as received by the laboratory.*

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# Case Narrative

Client: Southern Company  
Project/Site: CCR - Plant Wansley

TestAmerica Job ID: 400-150979-1  
SDG: Gypsum Landfill Cells

**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.

TestAmerica Pensacola

# 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.

TestAmerica Pensacola

# 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

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# 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 Results

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**

## 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**

**Lab Sample ID: 400-150979-7**

**Date Collected: 03/16/18 09:35**

**Matrix: Water**

**Date Received: 03/17/18 08:24**

**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 Sample Results

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**

**Lab Sample ID: 400-150979-8**

**Date Collected: 03/16/18 12:35**

**Matrix: Water**

**Date Received: 03/17/18 08:24**

## 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

# Definitions/Glossary

Client: Southern Company  
Project/Site: CCR - Plant Wansley

TestAmerica Job ID: 400-150979-1  
SDG: Gypsum Landfill Cells

## 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.
α	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

TestAmerica Pensacola

# 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	

# QC Sample Results

Client: Southern Company  
Project/Site: CCR - Plant Wansley

TestAmerica Job ID: 400-150979-1  
SDG: Gypsum Landfill Cells

## 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

TestAmerica Pensacola

# QC Sample Results

Client: Southern Company  
Project/Site: CCR - Plant Wansley

TestAmerica Job ID: 400-150979-1  
SDG: Gypsum Landfill Cells

## 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	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	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	Limits	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	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	Limit
Alkalinity, Total	490		585		mg/L		18	20

TestAmerica Pensacola

# QC Sample Results

Client: Southern Company  
Project/Site: CCR - Plant Wansley

TestAmerica Job ID: 400-150979-1  
SDG: Gypsum Landfill Cells

## 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	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
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	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
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

**Lab Sample ID: 400-150979-2 DU**  
**Matrix: Water**  
**Analysis Batch: 391494**

**Client Sample ID: GWA-28**  
**Prep Type: Total/NA**

Analyte	Sample	Sample	DU	DU	Unit	D	RPD	Limit
	Result	Qualifier	Result	Qualifier				
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

CHAIN OF CUSTODY RECORD

CLIENT NAME: Georgia Power		CLIENT ADDRESS/PHONE NUMBER/FAX NUMBER: 241 Raiph McGill Blvd SE B10185 Atlanta, GA 30308 404-505-7239		REPORT TO: Evan Perry	REQUESTED COMPLETION DATE:	PO #:
PROJECT NAME/STATE: Plant Yates Phase II - Additional Site Characterization						
PROJECT #: Phase 2 CCR						
Collection DATE	Collection TIME	MATRIX CODE*	C O M P	G R A B	SAMPLE IDENTIFICATION	
3-15-18	1237	GW	X	X	GWA-29	
3-15-18	1456	GW	X	X	GWA-28	
3-16-18	0922	GW	X	X	GWG-32	
3-16-18	1031	GW	X	X	GWG-31	
3-16-18	1211	GW	X	X	GWG-27	
3-15-18	-	GW	X	X	Dup-1	
3-16-18	0935	GW	X	X	FB-13-16-18	
3-16-18	1235	W	X	X	EG-13-16-18	
SAMPLED BY AND TITLE: R. Van Walker						
RECEIVED BY: [Signature]						
DATE/TIME: 3/16/18 1450						
RECEIVED BY LAB: [Signature]						
DATE/TIME: 3/17/18 0824						
pH checked: Yes No NA						
Ice: Yes No NA						
Temperature: 4.1°C ERB (Max)						
SAMPLE SHIPPED VIA: USPS		FED-EX		USPS		COURIER
Custody Seal: Intact		Broken		Not Present		# of Coolers
RELINQUISHED BY: [Signature]		DATE/TIME: 3-16-18 1450		CLIENT		OTHER FS
RELINQUISHED BY: [Signature]		DATE/TIME: 3/16/18 1630		Cooler ID:		
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.

## APPENDIX B

# Laboratory Analytical Results





# ANALYTICAL REPORT

## PREPARED FOR

Attn: Robert (Trey) Singleton  
Southern Company  
3535 Colonnade Parkway  
Bin S 530 EC  
Birmingham, Alabama 35243

Generated 2/23/2023 6:36:34 PM

## JOB DESCRIPTION

Plant Wansley Landfill

## JOB NUMBER

680-230703-1

# Eurofins Savannah

## Job Notes

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

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

## Authorization



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

# Definitions/Glossary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

## 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
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
F1	MS and/or MSD recovery exceeds control limits.
F2	MS/MSD RPD 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.

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

# Sample Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-230703-1	WAN-GWA-29	Water	02/13/23 16:44	02/17/23 07:47
680-230703-2	WAN-GWA-1	Water	02/14/23 14:15	02/17/23 07:47
680-230703-3	WAN-GWA-2	Water	02/14/23 13:00	02/17/23 07:47
680-230703-4	WAN-GWA-3	Water	02/14/23 11:47	02/17/23 07:47
680-230703-5	WAN-GWA-4	Water	02/14/23 13:05	02/17/23 07:47
680-230703-6	WAN-GWA-28	Water	02/14/23 14:05	02/17/23 07:47
680-230703-7	WAN-GWC-22	Water	02/14/23 16:45	02/17/23 07:47
680-230703-8	WAN-GWC-30	Water	02/14/23 16:05	02/17/23 07:47
680-230703-9	WAN-GWC-10	Water	02/15/23 09:25	02/17/23 07:47
680-230703-10	WAN-GWC-12	Water	02/15/23 11:35	02/17/23 07:47
680-230703-11	WAN-LF-EB-04	Water	02/15/23 11:25	02/17/23 07:47
680-230703-12	WAN-GWC-32	Water	02/15/23 11:08	02/17/23 07:47
680-230703-13	WAN-GWC-8	Water	02/15/23 14:55	02/17/23 07:47
680-230703-14	WAN-GWC-9	Water	02/15/23 16:35	02/17/23 07:47

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# Case Narrative

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

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**Job ID: 680-230703-1**

---

**Laboratory: Eurofins Savannah**

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**Narrative**

**Job Narrative  
680-230703-1**

**Receipt**

The samples were received on 2/17/2023 7:47 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 0.3°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**

Method 2540C: A lesser volume of sample was used for the following samples due to the nature of the sample matrix resulting in elevated reporting limits: WAN-GWA-3, WAN-GWA-4 and WAN-GWC-12.

Method 2540C: The sample duplicate precision for the following sample associated with analytical batch 680-764123 was outside control limits: (680-230640-AD-1 DU). The associated Laboratory Control Sample / Laboratory Control Sample Duplicate (LCS/LCSD) precision met acceptance criteria.

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

**Field Service / Mobile Lab**

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



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

**Client Sample ID: WAN-GWA-29**

**Lab Sample ID: 680-230703-1**

Date Collected: 02/13/23 16:44

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.0		1.0	0.20	mg/L			02/20/23 18:58	1
Fluoride	1.7		0.10	0.040	mg/L			02/20/23 18:58	1
Sulfate	4.3		1.0	0.40	mg/L			02/20/23 18:58	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/20/23 11:24	02/21/23 11:50	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/23 11:24	02/21/23 11:50	1
Barium	<0.00089		0.010	0.00089	mg/L		02/20/23 11:24	02/21/23 11:50	1
Beryllium	0.0020	J	0.0025	0.00020	mg/L		02/20/23 11:24	02/21/23 11:50	1
Boron	<0.022		0.080	0.022	mg/L		02/20/23 11:24	02/22/23 14:51	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/23 11:24	02/21/23 11:50	1
Calcium	4.7		0.50	0.14	mg/L		02/20/23 11:24	02/21/23 11:50	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/23 11:24	02/21/23 11:50	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/20/23 11:24	02/21/23 11:50	1
Copper	0.0048		0.0020	0.0011	mg/L		02/20/23 11:24	02/21/23 11:50	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/23 11:24	02/21/23 11:50	1
Nickel	0.00079	J	0.0010	0.00042	mg/L		02/20/23 11:24	02/21/23 11:50	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/23 11:24	02/21/23 11:50	1
Silver	0.0011		0.0010	0.00039	mg/L		02/20/23 11:24	02/21/23 11:50	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/23 11:24	02/21/23 11:50	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/20/23 11:24	02/21/23 11:50	1
Zinc	0.025		0.0050	0.0028	mg/L		02/20/23 11:24	02/21/23 11:50	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/23 16:23	02/22/23 17:32	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	88		10	10	mg/L			02/20/23 12:27	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.64				SU			02/13/23 16:44	1

**Client Sample ID: WAN-GWA-1**

**Lab Sample ID: 680-230703-2**

Date Collected: 02/14/23 14:15

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.0		1.0	0.20	mg/L			02/20/23 19:12	1
Fluoride	<0.040		0.10	0.040	mg/L			02/20/23 19:12	1
Sulfate	<0.40		1.0	0.40	mg/L			02/20/23 19:12	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	0.00037	J	0.0020	0.00034	mg/L		02/20/23 09:23	02/20/23 17:29	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/23 09:23	02/20/23 17:29	1

Eurofins Savannah

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

**Client Sample ID: WAN-GWA-1**

**Lab Sample ID: 680-230703-2**

Date Collected: 02/14/23 14:15

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Barium</b>	<b>0.011</b>		0.010	0.00089	mg/L		02/20/23 09:23	02/20/23 17:29	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/23 09:23	02/20/23 17:29	1
Boron	<0.022		0.080	0.022	mg/L		02/20/23 09:23	02/20/23 17:29	1
<b>Cadmium</b>	<b>0.000090</b>	<b>J</b>	0.0025	0.000078	mg/L		02/20/23 09:23	02/20/23 17:29	1
<b>Calcium</b>	<b>0.90</b>		0.50	0.14	mg/L		02/20/23 09:23	02/20/23 17:29	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/23 09:23	02/20/23 17:29	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/20/23 09:23	02/20/23 17:29	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/20/23 09:23	02/20/23 17:29	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/23 09:23	02/20/23 17:29	1
<b>Nickel</b>	<b>0.00071</b>	<b>J</b>	0.0010	0.00042	mg/L		02/20/23 09:23	02/20/23 17:29	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/23 09:23	02/20/23 17:29	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/20/23 09:23	02/20/23 17:29	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/23 09:23	02/20/23 17:29	1
<b>Vanadium</b>	<b>0.00074</b>	<b>J</b>	0.0020	0.00063	mg/L		02/20/23 09:23	02/20/23 17:29	1
<b>Zinc</b>	<b>0.0048</b>	<b>J</b>	0.0050	0.0028	mg/L		02/20/23 09:23	02/20/23 17:29	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/20/23 13:19	02/21/23 11:38	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C-2011)</b>	<b>17</b>		10	10	mg/L			02/20/23 12:27	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Field pH</b>	<b>5.56</b>				SU			02/14/23 14:15	1

**Client Sample ID: WAN-GWA-2**

**Lab Sample ID: 680-230703-3**

Date Collected: 02/14/23 13:00

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>3.6</b>		1.0	0.20	mg/L			02/20/23 19:25	1
Fluoride	<0.040		0.10	0.040	mg/L			02/20/23 19:25	1
<b>Sulfate</b>	<b>2.5</b>		1.0	0.40	mg/L			02/20/23 19:25	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/20/23 09:23	02/20/23 17:54	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/23 09:23	02/20/23 17:54	1
<b>Barium</b>	<b>0.011</b>		0.010	0.00089	mg/L		02/20/23 09:23	02/20/23 17:54	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/23 09:23	02/20/23 17:54	1
Boron	<0.022		0.080	0.022	mg/L		02/20/23 09:23	02/20/23 17:54	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/23 09:23	02/20/23 17:54	1
<b>Calcium</b>	<b>3.1</b>		0.50	0.14	mg/L		02/20/23 09:23	02/20/23 17:54	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/23 09:23	02/20/23 17:54	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/20/23 09:23	02/20/23 17:54	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/20/23 09:23	02/20/23 17:54	1

Eurofins Savannah

# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

**Client Sample ID: WAN-GWA-2**

**Lab Sample ID: 680-230703-3**

Date Collected: 02/14/23 13:00

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/23 09:23	02/20/23 17:54	1
<b>Nickel</b>	<b>0.00046</b>	<b>J</b>	0.0010	0.00042	mg/L		02/20/23 09:23	02/20/23 17:54	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/23 09:23	02/20/23 17:54	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/20/23 09:23	02/20/23 17:54	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/23 09:23	02/20/23 17:54	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/20/23 09:23	02/20/23 17:54	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/20/23 09:23	02/20/23 17:54	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/20/23 13:19	02/21/23 11:48	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C-2011)</b>	<b>43</b>		10	10	mg/L			02/20/23 12:27	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Field pH</b>	<b>5.64</b>				SU			02/14/23 13:00	1

**Client Sample ID: WAN-GWA-3**

**Lab Sample ID: 680-230703-4**

Date Collected: 02/14/23 11:47

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>18</b>		1.0	0.20	mg/L			02/20/23 19:38	1
<b>Fluoride</b>	<b>0.052</b>	<b>J</b>	0.10	0.040	mg/L			02/20/23 19:38	1
<b>Sulfate</b>	<b>70</b>		1.0	0.40	mg/L			02/20/23 19:38	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/20/23 09:23	02/20/23 17:09	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/23 09:23	02/20/23 17:09	1
<b>Barium</b>	<b>0.075</b>		0.010	0.00089	mg/L		02/20/23 09:23	02/20/23 17:09	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/23 09:23	02/20/23 17:09	1
Boron	<0.022		0.080	0.022	mg/L		02/20/23 09:23	02/20/23 17:09	1
<b>Cadmium</b>	<b>0.00015</b>	<b>J</b>	0.0025	0.000078	mg/L		02/20/23 09:23	02/20/23 17:09	1
<b>Calcium</b>	<b>18</b>		0.50	0.14	mg/L		02/20/23 09:23	02/20/23 17:09	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/23 09:23	02/20/23 17:09	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/20/23 09:23	02/20/23 17:09	1
<b>Copper</b>	<b>0.0017</b>	<b>J</b>	0.0020	0.0011	mg/L		02/20/23 09:23	02/20/23 17:09	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/23 09:23	02/20/23 17:09	1
<b>Nickel</b>	<b>0.00099</b>	<b>J</b>	0.0010	0.00042	mg/L		02/20/23 09:23	02/20/23 17:09	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/23 09:23	02/20/23 17:09	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/20/23 09:23	02/20/23 17:09	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/23 09:23	02/20/23 17:09	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/20/23 09:23	02/20/23 17:09	1
<b>Zinc</b>	<b>0.017</b>		0.0050	0.0028	mg/L		02/20/23 09:23	02/20/23 17:09	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

**Client Sample ID: WAN-GWA-3**

**Lab Sample ID: 680-230703-4**

Date Collected: 02/14/23 11:47

Matrix: Water

Date Received: 02/17/23 07:47

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/20/23 13:19	02/21/23 11:51	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	160		40	40	mg/L			02/20/23 12:27	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.53				SU			02/14/23 11:47	1

**Client Sample ID: WAN-GWA-4**

**Lab Sample ID: 680-230703-5**

Date Collected: 02/14/23 13:05

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	9.9		1.0	0.20	mg/L			02/20/23 20:17	1
Fluoride	0.076	J	0.10	0.040	mg/L			02/20/23 20:17	1
Sulfate	9.3		1.0	0.40	mg/L			02/20/23 20:17	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/20/23 09:23	02/20/23 17:17	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/23 09:23	02/20/23 17:17	1
Barium	0.12		0.010	0.00089	mg/L		02/20/23 09:23	02/20/23 17:17	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/23 09:23	02/20/23 17:17	1
Boron	<0.022		0.080	0.022	mg/L		02/20/23 09:23	02/20/23 17:17	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/23 09:23	02/20/23 17:17	1
Calcium	28		0.50	0.14	mg/L		02/20/23 09:23	02/20/23 17:17	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/23 09:23	02/20/23 17:17	1
Cobalt	0.0037		0.0025	0.00022	mg/L		02/20/23 09:23	02/20/23 17:17	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/20/23 09:23	02/20/23 17:17	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/23 09:23	02/20/23 17:17	1
Nickel	0.00071	J	0.0010	0.00042	mg/L		02/20/23 09:23	02/20/23 17:17	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/23 09:23	02/20/23 17:17	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/20/23 09:23	02/20/23 17:17	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/23 09:23	02/20/23 17:17	1
Vanadium	0.00074	J	0.0020	0.00063	mg/L		02/20/23 09:23	02/20/23 17:17	1
Zinc	0.0029	J	0.0050	0.0028	mg/L		02/20/23 09:23	02/20/23 17:17	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/20/23 13:19	02/21/23 11:55	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	150		40	40	mg/L			02/20/23 12:27	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

**Client Sample ID: WAN-GWA-4**

**Lab Sample ID: 680-230703-5**

Date Collected: 02/14/23 13:05

Matrix: Water

Date Received: 02/17/23 07:47

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.20				SU			02/14/23 13:05	1

**Client Sample ID: WAN-GWA-28**

**Lab Sample ID: 680-230703-6**

Date Collected: 02/14/23 14:05

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.2		1.0	0.20	mg/L			02/20/23 20:57	1
Fluoride	2.0		0.10	0.040	mg/L			02/20/23 20:57	1
Sulfate	1.2		1.0	0.40	mg/L			02/20/23 20:57	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/20/23 09:23	02/20/23 17:25	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/23 09:23	02/20/23 17:25	1
Barium	0.0010	J	0.010	0.00089	mg/L		02/20/23 09:23	02/20/23 17:25	1
Beryllium	0.00044	J	0.0025	0.00020	mg/L		02/20/23 09:23	02/20/23 17:25	1
Boron	<0.022		0.080	0.022	mg/L		02/20/23 09:23	02/20/23 17:25	1
Cadmium	0.000080	J	0.0025	0.000078	mg/L		02/20/23 09:23	02/20/23 17:25	1
Calcium	3.4		0.50	0.14	mg/L		02/20/23 09:23	02/20/23 17:25	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/23 09:23	02/20/23 17:25	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/20/23 09:23	02/20/23 17:25	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/20/23 09:23	02/20/23 17:25	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/23 09:23	02/20/23 17:25	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/20/23 09:23	02/20/23 17:25	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/23 09:23	02/20/23 17:25	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/20/23 09:23	02/20/23 17:25	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/23 09:23	02/20/23 17:25	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/20/23 09:23	02/20/23 17:25	1
Zinc	0.014		0.0050	0.0028	mg/L		02/20/23 09:23	02/20/23 17:25	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/20/23 13:19	02/21/23 11:58	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	90		10	10	mg/L			02/20/23 12:27	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.12				SU			02/14/23 14:05	1

**Client Sample ID: WAN-GWC-22**

**Lab Sample ID: 680-230703-7**

Date Collected: 02/14/23 16:45

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.4		1.0	0.20	mg/L			02/20/23 21:10	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

**Client Sample ID: WAN-GWC-22**

**Lab Sample ID: 680-230703-7**

Date Collected: 02/14/23 16:45

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Fluoride	0.057	J	0.10	0.040	mg/L			02/20/23 21:10	1
Sulfate	0.54	J	1.0	0.40	mg/L			02/20/23 21:10	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/20/23 09:23	02/20/23 17:42	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/23 09:23	02/20/23 17:42	1
Barium	0.024		0.010	0.00089	mg/L		02/20/23 09:23	02/20/23 17:42	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/23 09:23	02/20/23 17:42	1
Boron	<0.022		0.080	0.022	mg/L		02/20/23 09:23	02/20/23 17:42	1
Cadmium	0.000090	J	0.0025	0.000078	mg/L		02/20/23 09:23	02/20/23 17:42	1
Calcium	11		0.50	0.14	mg/L		02/20/23 09:23	02/20/23 17:42	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/23 09:23	02/20/23 17:42	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/20/23 09:23	02/20/23 17:42	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/20/23 09:23	02/20/23 17:42	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/23 09:23	02/20/23 17:42	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/20/23 09:23	02/20/23 17:42	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/23 09:23	02/20/23 17:42	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/20/23 09:23	02/20/23 17:42	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/23 09:23	02/20/23 17:42	1
Vanadium	0.0050		0.0020	0.00063	mg/L		02/20/23 09:23	02/20/23 17:42	1
Zinc	0.012		0.0050	0.0028	mg/L		02/20/23 09:23	02/20/23 17:42	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/20/23 13:19	02/21/23 12:22	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	110		10	10	mg/L			02/20/23 12:27	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.56				SU			02/14/23 16:45	1

**Client Sample ID: WAN-GWC-30**

**Lab Sample ID: 680-230703-8**

Date Collected: 02/14/23 16:05

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.3		1.0	0.20	mg/L			02/20/23 21:23	1
Fluoride	0.091	J	0.10	0.040	mg/L			02/20/23 21:23	1
Sulfate	1.0		1.0	0.40	mg/L			02/20/23 21:23	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/20/23 11:24	02/21/23 11:29	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/23 11:24	02/21/23 11:29	1
Barium	0.0069	J	0.010	0.00089	mg/L		02/20/23 11:24	02/21/23 11:29	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

**Client Sample ID: WAN-GWC-30**

**Lab Sample ID: 680-230703-8**

Date Collected: 02/14/23 16:05

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/23 11:24	02/21/23 11:29	1
Boron	<0.022		0.080	0.022	mg/L		02/20/23 11:24	02/22/23 14:31	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/23 11:24	02/21/23 11:29	1
<b>Calcium</b>	<b>3.5</b>		0.50	0.14	mg/L		02/20/23 11:24	02/21/23 11:29	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/23 11:24	02/21/23 11:29	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/20/23 11:24	02/21/23 11:29	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/20/23 11:24	02/21/23 11:29	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/23 11:24	02/21/23 11:29	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/20/23 11:24	02/21/23 11:29	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/23 11:24	02/21/23 11:29	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/20/23 11:24	02/21/23 11:29	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/23 11:24	02/21/23 11:29	1
<b>Vanadium</b>	<b>0.00085</b>	<b>J</b>	0.0020	0.00063	mg/L		02/20/23 11:24	02/21/23 11:29	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/20/23 11:24	02/21/23 11:29	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/23 16:23	02/22/23 17:56	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C-2011)</b>	<b>53</b>		10	10	mg/L			02/20/23 12:27	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Field pH</b>	<b>5.91</b>				SU			02/14/23 16:05	1

**Client Sample ID: WAN-GWC-10**

**Lab Sample ID: 680-230703-9**

Date Collected: 02/15/23 09:25

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>4.8</b>		1.0	0.20	mg/L			02/20/23 21:36	1
<b>Fluoride</b>	<b>0.78</b>		0.10	0.040	mg/L			02/20/23 21:36	1
<b>Sulfate</b>	<b>8.5</b>		1.0	0.40	mg/L			02/20/23 21:36	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/20/23 09:23	02/20/23 17:50	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/23 09:23	02/20/23 17:50	1
<b>Barium</b>	<b>0.017</b>		0.010	0.00089	mg/L		02/20/23 09:23	02/20/23 17:50	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/23 09:23	02/20/23 17:50	1
Boron	<0.022		0.080	0.022	mg/L		02/20/23 09:23	02/20/23 17:50	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/23 09:23	02/20/23 17:50	1
<b>Calcium</b>	<b>15</b>		0.50	0.14	mg/L		02/20/23 09:23	02/20/23 17:50	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/23 09:23	02/20/23 17:50	1
<b>Cobalt</b>	<b>0.0042</b>		0.0025	0.00022	mg/L		02/20/23 09:23	02/20/23 17:50	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/20/23 09:23	02/20/23 17:50	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/23 09:23	02/20/23 17:50	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

**Client Sample ID: WAN-GWC-10**

**Lab Sample ID: 680-230703-9**

Date Collected: 02/15/23 09:25

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Nickel</b>	<b>0.0012</b>		0.0010	0.00042	mg/L		02/20/23 09:23	02/20/23 17:50	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/23 09:23	02/20/23 17:50	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/20/23 09:23	02/20/23 17:50	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/23 09:23	02/20/23 17:50	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/20/23 09:23	02/20/23 17:50	1
<b>Zinc</b>	<b>0.0047</b>	<b>J</b>	0.0050	0.0028	mg/L		02/20/23 09:23	02/20/23 17:50	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/20/23 13:19	02/21/23 12:26	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C-2011)</b>	<b>130</b>		10	10	mg/L			02/20/23 12:27	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Field pH</b>	<b>5.76</b>				SU			02/15/23 09:25	1

**Client Sample ID: WAN-GWC-12**

**Lab Sample ID: 680-230703-10**

Date Collected: 02/15/23 11:35

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>25</b>		1.0	0.20	mg/L			02/20/23 21:49	1
<b>Fluoride</b>	<b>0.13</b>		0.10	0.040	mg/L			02/20/23 21:49	1
<b>Sulfate</b>	<b>32</b>		1.0	0.40	mg/L			02/20/23 21:49	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/20/23 09:23	02/20/23 17:13	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/23 09:23	02/20/23 17:13	1
<b>Barium</b>	<b>0.029</b>		0.010	0.00089	mg/L		02/20/23 09:23	02/20/23 17:13	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/23 09:23	02/20/23 17:13	1
<b>Boron</b>	<b>0.077</b>	<b>J</b>	0.080	0.022	mg/L		02/20/23 09:23	02/20/23 17:13	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/23 09:23	02/20/23 17:13	1
<b>Calcium</b>	<b>55</b>		0.50	0.14	mg/L		02/20/23 09:23	02/20/23 17:13	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/23 09:23	02/20/23 17:13	1
<b>Cobalt</b>	<b>0.0018</b>	<b>J</b>	0.0025	0.00022	mg/L		02/20/23 09:23	02/20/23 17:13	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/20/23 09:23	02/20/23 17:13	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/23 09:23	02/20/23 17:13	1
<b>Nickel</b>	<b>0.00099</b>	<b>J</b>	0.0010	0.00042	mg/L		02/20/23 09:23	02/20/23 17:13	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/23 09:23	02/20/23 17:13	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/20/23 09:23	02/20/23 17:13	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/23 09:23	02/20/23 17:13	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/20/23 09:23	02/20/23 17:13	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/20/23 09:23	02/20/23 17:13	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

**Client Sample ID: WAN-GWC-12**

**Lab Sample ID: 680-230703-10**

Date Collected: 02/15/23 11:35

Matrix: Water

Date Received: 02/17/23 07:47

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/20/23 13:19	02/21/23 12:29	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	220		40	40	mg/L			02/20/23 12:27	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	6.98				SU			02/15/23 11:35	1

**Client Sample ID: WAN-LF-EB-04**

**Lab Sample ID: 680-230703-11**

Date Collected: 02/15/23 11:25

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			02/20/23 22:03	1
Fluoride	<0.040		0.10	0.040	mg/L			02/20/23 22:03	1
Sulfate	<0.40		1.0	0.40	mg/L			02/20/23 22:03	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/20/23 11:24	02/21/23 11:42	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/23 11:24	02/21/23 11:42	1
Barium	<0.00089		0.010	0.00089	mg/L		02/20/23 11:24	02/21/23 11:42	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/23 11:24	02/21/23 11:42	1
Boron	<0.022		0.080	0.022	mg/L		02/20/23 11:24	02/22/23 14:43	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/23 11:24	02/21/23 11:42	1
Calcium	<0.14		0.50	0.14	mg/L		02/20/23 11:24	02/21/23 11:42	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/23 11:24	02/21/23 11:42	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/20/23 11:24	02/21/23 11:42	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/20/23 11:24	02/21/23 11:42	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/23 11:24	02/21/23 11:42	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/20/23 11:24	02/21/23 11:42	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/23 11:24	02/21/23 11:42	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/20/23 11:24	02/21/23 11:42	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/23 11:24	02/21/23 11:42	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/20/23 11:24	02/21/23 11:42	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/20/23 11:24	02/21/23 11:42	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/22/23 11:03	02/22/23 15:56	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	<10		10	10	mg/L			02/21/23 12:39	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

**Client Sample ID: WAN-GWC-32**

**Lab Sample ID: 680-230703-12**

Date Collected: 02/15/23 11:08

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	1.2		1.0	0.20	mg/L			02/20/23 22:16	1
Fluoride	2.3		0.10	0.040	mg/L			02/20/23 22:16	1
Sulfate	8.3		1.0	0.40	mg/L			02/20/23 22:16	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/20/23 11:24	02/21/23 11:46	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/23 11:24	02/21/23 11:46	1
Barium	<0.00089		0.010	0.00089	mg/L		02/20/23 11:24	02/21/23 11:46	1
Beryllium	0.0013	J	0.0025	0.00020	mg/L		02/20/23 11:24	02/21/23 11:46	1
Boron	<0.022		0.080	0.022	mg/L		02/20/23 11:24	02/22/23 14:47	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/23 11:24	02/21/23 11:46	1
Calcium	6.8		0.50	0.14	mg/L		02/20/23 11:24	02/21/23 11:46	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/23 11:24	02/21/23 11:46	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/20/23 11:24	02/21/23 11:46	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/20/23 11:24	02/21/23 11:46	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/23 11:24	02/21/23 11:46	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/20/23 11:24	02/21/23 11:46	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/23 11:24	02/21/23 11:46	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/20/23 11:24	02/21/23 11:46	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/23 11:24	02/21/23 11:46	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/20/23 11:24	02/21/23 11:46	1
Zinc	0.024		0.0050	0.0028	mg/L		02/20/23 11:24	02/21/23 11:46	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/23 16:23	02/22/23 17:22	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	79		10	10	mg/L			02/21/23 12:39	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.98				SU			02/15/23 11:08	1

**Client Sample ID: WAN-GWC-8**

**Lab Sample ID: 680-230703-13**

Date Collected: 02/15/23 14:55

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	2.0		1.0	0.20	mg/L			02/20/23 22:29	1
Fluoride	0.063	J	0.10	0.040	mg/L			02/20/23 22:29	1
Sulfate	14		1.0	0.40	mg/L			02/20/23 22:29	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/20/23 09:23	02/20/23 17:21	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/23 09:23	02/20/23 17:21	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

**Client Sample ID: WAN-GWC-8**

**Lab Sample ID: 680-230703-13**

Date Collected: 02/15/23 14:55

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Barium</b>	<b>0.027</b>		0.010	0.00089	mg/L		02/20/23 09:23	02/20/23 17:21	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/23 09:23	02/20/23 17:21	1
Boron	<0.022		0.080	0.022	mg/L		02/20/23 09:23	02/20/23 17:21	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/23 09:23	02/20/23 17:21	1
<b>Calcium</b>	<b>23</b>		0.50	0.14	mg/L		02/20/23 09:23	02/20/23 17:21	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/23 09:23	02/20/23 17:21	1
<b>Cobalt</b>	<b>0.0016</b>	<b>J</b>	0.0025	0.00022	mg/L		02/20/23 09:23	02/20/23 17:21	1
<b>Copper</b>	<b>0.0014</b>	<b>J</b>	0.0020	0.0011	mg/L		02/20/23 09:23	02/20/23 17:21	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/23 09:23	02/20/23 17:21	1
<b>Nickel</b>	<b>0.0010</b>		0.0010	0.00042	mg/L		02/20/23 09:23	02/20/23 17:21	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/23 09:23	02/20/23 17:21	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/20/23 09:23	02/20/23 17:21	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/23 09:23	02/20/23 17:21	1
<b>Vanadium</b>	<b>0.00096</b>	<b>J</b>	0.0020	0.00063	mg/L		02/20/23 09:23	02/20/23 17:21	1
<b>Zinc</b>	<b>0.0029</b>	<b>J</b>	0.0050	0.0028	mg/L		02/20/23 09:23	02/20/23 17:21	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/20/23 13:19	02/21/23 12:33	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C-2011)</b>	<b>130</b>		10	10	mg/L			02/21/23 12:39	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Field pH</b>	<b>6.03</b>				SU			02/15/23 14:55	1

**Client Sample ID: WAN-GWC-9**

**Lab Sample ID: 680-230703-14**

Date Collected: 02/15/23 16:35

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>4.0</b>		1.0	0.20	mg/L			02/20/23 22:42	1
<b>Fluoride</b>	<b>0.062</b>	<b>J</b>	0.10	0.040	mg/L			02/20/23 22:42	1
<b>Sulfate</b>	<b>9.4</b>		1.0	0.40	mg/L			02/20/23 22:42	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/20/23 09:23	02/20/23 17:46	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/23 09:23	02/20/23 17:46	1
<b>Barium</b>	<b>0.076</b>		0.010	0.00089	mg/L		02/20/23 09:23	02/20/23 17:46	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/23 09:23	02/20/23 17:46	1
<b>Boron</b>	<b>0.041</b>	<b>J</b>	0.080	0.022	mg/L		02/20/23 09:23	02/20/23 17:46	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/23 09:23	02/20/23 17:46	1
<b>Calcium</b>	<b>8.1</b>		0.50	0.14	mg/L		02/20/23 09:23	02/20/23 17:46	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/23 09:23	02/20/23 17:46	1
<b>Cobalt</b>	<b>0.022</b>		0.0025	0.00022	mg/L		02/20/23 09:23	02/20/23 17:46	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/20/23 09:23	02/20/23 17:46	1

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# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

**Client Sample ID: WAN-GWC-9**

**Lab Sample ID: 680-230703-14**

Date Collected: 02/15/23 16:35

Matrix: Water

Date Received: 02/17/23 07:47

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/23 09:23	02/20/23 17:46	1
<b>Nickel</b>	<b>0.0088</b>		0.0010	0.00042	mg/L		02/20/23 09:23	02/20/23 17:46	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/23 09:23	02/20/23 17:46	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/20/23 09:23	02/20/23 17:46	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/23 09:23	02/20/23 17:46	1
<b>Vanadium</b>	<b>0.00090</b>	<b>J</b>	0.0020	0.00063	mg/L		02/20/23 09:23	02/20/23 17:46	1
<b>Zinc</b>	<b>0.015</b>		0.0050	0.0028	mg/L		02/20/23 09:23	02/20/23 17:46	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/20/23 13:19	02/21/23 12:36	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Total Dissolved Solids (SM 2540C-2011)</b>	<b>64</b>		10	10	mg/L			02/21/23 12:39	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Field pH</b>	<b>5.56</b>				SU			02/15/23 16:35	1

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

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

**Lab Sample ID: MB 680-764043/33**  
**Matrix: Water**  
**Analysis Batch: 764043**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			02/20/23 16:34	1
Fluoride	<0.040		0.10	0.040	mg/L			02/20/23 16:34	1
Sulfate	<0.40		1.0	0.40	mg/L			02/20/23 16:34	1

**Lab Sample ID: LCS 680-764043/34**  
**Matrix: Water**  
**Analysis Batch: 764043**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.5		mg/L		105	90 - 110
Fluoride	2.00	2.15		mg/L		107	90 - 110
Sulfate	10.0	10.3		mg/L		103	90 - 110

**Lab Sample ID: LCSD 680-764043/35**  
**Matrix: Water**  
**Analysis Batch: 764043**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	10.5		mg/L		105	90 - 110	0	15
Fluoride	2.00	2.15		mg/L		107	90 - 110	0	15
Sulfate	10.0	10.3		mg/L		103	90 - 110	0	15

**Lab Sample ID: 680-230678-G-1 MS**  
**Matrix: Water**  
**Analysis Batch: 764043**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	12		10.0	21.8		mg/L		101	80 - 120
Fluoride	0.058	J	2.00	2.15		mg/L		105	80 - 120
Sulfate	0.93	J	10.0	10.2		mg/L		93	80 - 120

**Lab Sample ID: 680-230678-G-1 MSD**  
**Matrix: Water**  
**Analysis Batch: 764043**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	12		10.0	21.6		mg/L		99	80 - 120	1	15
Fluoride	0.058	J	2.00	2.12		mg/L		103	80 - 120	1	15
Sulfate	0.93	J	10.0	10.0		mg/L		91	80 - 120	2	15

**Lab Sample ID: 680-230703-5 MS**  
**Matrix: Water**  
**Analysis Batch: 764043**

**Client Sample ID: WAN-GWA-4**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	9.9		10.0	20.0		mg/L		102	80 - 120
Fluoride	0.076	J	2.00	2.16		mg/L		104	80 - 120
Sulfate	9.3		10.0	19.4		mg/L		101	80 - 120

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

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

Lab Sample ID: 680-230703-5 MSD  
Matrix: Water  
Analysis Batch: 764043

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

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	9.9		10.0	19.7		mg/L		98	80 - 120	2	15
Fluoride	0.076	J	2.00	2.10		mg/L		101	80 - 120	3	15
Sulfate	9.3		10.0	18.6		mg/L		94	80 - 120	4	15

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

Lab Sample ID: MB 680-764059/1-A  
Matrix: Water  
Analysis Batch: 764211

Client Sample ID: Method Blank  
Prep Type: Total Recoverable  
Prep Batch: 764059

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/20/23 09:23	02/20/23 16:04	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/23 09:23	02/20/23 16:04	1
Barium	<0.00089		0.010	0.00089	mg/L		02/20/23 09:23	02/20/23 16:04	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/23 09:23	02/20/23 16:04	1
Boron	<0.022		0.080	0.022	mg/L		02/20/23 09:23	02/20/23 16:04	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/23 09:23	02/20/23 16:04	1
Calcium	<0.14		0.50	0.14	mg/L		02/20/23 09:23	02/20/23 16:04	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/23 09:23	02/20/23 16:04	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/20/23 09:23	02/20/23 16:04	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/20/23 09:23	02/20/23 16:04	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/23 09:23	02/20/23 16:04	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/20/23 09:23	02/20/23 16:04	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/23 09:23	02/20/23 16:04	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/20/23 09:23	02/20/23 16:04	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/23 09:23	02/20/23 16:04	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/20/23 09:23	02/20/23 16:04	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/20/23 09:23	02/20/23 16:04	1

Lab Sample ID: LCS 680-764059/2-A  
Matrix: Water  
Analysis Batch: 764211

Client Sample ID: Lab Control Sample  
Prep Type: Total Recoverable  
Prep Batch: 764059

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	0.0500	0.0486		mg/L		97	80 - 120
Arsenic	0.100	0.105		mg/L		105	80 - 120
Barium	0.100	0.0972		mg/L		97	80 - 120
Beryllium	0.0500	0.0479		mg/L		96	80 - 120
Boron	0.200	0.196		mg/L		98	80 - 120
Cadmium	0.0500	0.0486		mg/L		97	80 - 120
Calcium	5.00	5.03		mg/L		101	80 - 120
Chromium	0.100	0.0976		mg/L		98	80 - 120
Cobalt	0.0500	0.0519		mg/L		104	80 - 120
Copper	0.100	0.106		mg/L		106	80 - 120
Lead	0.505	0.503		mg/L		100	80 - 120
Nickel	0.100	0.102		mg/L		102	80 - 120
Selenium	0.100	0.109		mg/L		109	80 - 120
Silver	0.0500	0.0484		mg/L		97	80 - 120
Thallium	0.0500	0.0479		mg/L		96	80 - 120

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

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

**Lab Sample ID: LCS 680-764059/2-A**  
**Matrix: Water**  
**Analysis Batch: 764211**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764059**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Vanadium	0.100	0.102		mg/L		102	80 - 120
Zinc	0.100	0.103		mg/L		103	80 - 120

**Lab Sample ID: 680-230722-H-3-B MS**  
**Matrix: Water**  
**Analysis Batch: 764211**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764059**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.00034		0.0500	0.0529		mg/L		106	75 - 125
Arsenic	0.0038		0.100	0.114		mg/L		110	75 - 125
Barium	0.024		0.100	0.129		mg/L		105	75 - 125
Beryllium	<0.00020		0.0500	0.0541		mg/L		108	75 - 125
Boron	0.17		0.200	0.380		mg/L		104	75 - 125
Cadmium	0.00013	J	0.0500	0.0534		mg/L		106	75 - 125
Calcium	31		5.00	35.7	4	mg/L		93	75 - 125
Chromium	<0.0012		0.100	0.106		mg/L		106	75 - 125
Cobalt	0.0047		0.0500	0.0609		mg/L		112	75 - 125
Copper	<0.0011		0.100	0.116		mg/L		116	75 - 125
Lead	<0.00021		0.505	0.535		mg/L		106	75 - 125
Nickel	0.00076	J	0.100	0.112		mg/L		111	75 - 125
Selenium	<0.00099		0.100	0.110		mg/L		110	75 - 125
Silver	<0.00039		0.0500	0.0523		mg/L		105	75 - 125
Thallium	<0.00026		0.0500	0.0527		mg/L		105	75 - 125
Vanadium	<0.00063		0.100	0.110		mg/L		110	75 - 125
Zinc	<0.0028		0.100	0.112		mg/L		112	75 - 125

**Lab Sample ID: 680-230722-H-3-C MSD**  
**Matrix: Water**  
**Analysis Batch: 764211**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764059**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Antimony	<0.00034		0.0500	0.0534		mg/L		107	75 - 125	1	20
Arsenic	0.0038		0.100	0.111		mg/L		107	75 - 125	3	20
Barium	0.024		0.100	0.127		mg/L		103	75 - 125	2	20
Beryllium	<0.00020		0.0500	0.0516		mg/L		103	75 - 125	5	20
Boron	0.17		0.200	0.370		mg/L		99	75 - 125	3	20
Cadmium	0.00013	J	0.0500	0.0546		mg/L		109	75 - 125	2	20
Calcium	31		5.00	35.5	4	mg/L		89	75 - 125	1	20
Chromium	<0.0012		0.100	0.104		mg/L		104	75 - 125	2	20
Cobalt	0.0047		0.0500	0.0585		mg/L		107	75 - 125	4	20
Copper	<0.0011		0.100	0.111		mg/L		111	75 - 125	4	20
Lead	<0.00021		0.505	0.522		mg/L		104	75 - 125	3	20
Nickel	0.00076	J	0.100	0.107		mg/L		106	75 - 125	5	20
Selenium	<0.00099		0.100	0.111		mg/L		111	75 - 125	0	20
Silver	<0.00039		0.0500	0.0521		mg/L		104	75 - 125	0	20
Thallium	<0.00026		0.0500	0.0524		mg/L		105	75 - 125	0	20
Vanadium	<0.00063		0.100	0.106		mg/L		106	75 - 125	4	20
Zinc	<0.0028		0.100	0.109		mg/L		109	75 - 125	2	20

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

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

**Lab Sample ID: MB 680-764105/1-A**  
**Matrix: Water**  
**Analysis Batch: 764406**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764105**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Antimony	<0.00034		0.0020	0.00034	mg/L		02/20/23 11:24	02/21/23 11:21	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/20/23 11:24	02/21/23 11:21	1
Barium	<0.00089		0.010	0.00089	mg/L		02/20/23 11:24	02/21/23 11:21	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/20/23 11:24	02/21/23 11:21	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/20/23 11:24	02/21/23 11:21	1
Calcium	<0.14		0.50	0.14	mg/L		02/20/23 11:24	02/21/23 11:21	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/20/23 11:24	02/21/23 11:21	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/20/23 11:24	02/21/23 11:21	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/20/23 11:24	02/21/23 11:21	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/20/23 11:24	02/21/23 11:21	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/20/23 11:24	02/21/23 11:21	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/20/23 11:24	02/21/23 11:21	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/20/23 11:24	02/21/23 11:21	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/20/23 11:24	02/21/23 11:21	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/20/23 11:24	02/21/23 11:21	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/20/23 11:24	02/21/23 11:21	1

**Lab Sample ID: MB 680-764105/1-A**  
**Matrix: Water**  
**Analysis Batch: 764596**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764105**

Analyte	MB	MB	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Boron	<0.022		0.080	0.022	mg/L		02/20/23 11:24	02/22/23 14:23	1

**Lab Sample ID: LCS 680-764105/2-A**  
**Matrix: Water**  
**Analysis Batch: 764406**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764105**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.104		mg/L		104	80 - 120
Barium	0.100	0.0970		mg/L		97	80 - 120
Beryllium	0.0500	0.0493		mg/L		99	80 - 120
Cadmium	0.0500	0.0490		mg/L		98	80 - 120
Calcium	5.00	5.23		mg/L		105	80 - 120
Chromium	0.100	0.0958		mg/L		96	80 - 120
Cobalt	0.0500	0.0524		mg/L		105	80 - 120
Copper	0.100	0.106		mg/L		106	80 - 120
Lead	0.505	0.501		mg/L		99	80 - 120
Nickel	0.100	0.103		mg/L		103	80 - 120
Selenium	0.100	0.101		mg/L		101	80 - 120
Silver	0.0500	0.0491		mg/L		98	80 - 120
Thallium	0.0500	0.0484		mg/L		97	80 - 120
Vanadium	0.100	0.107		mg/L		107	80 - 120
Zinc	0.100	0.103		mg/L		103	80 - 120

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

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

**Lab Sample ID: LCS 680-764105/2-A**  
**Matrix: Water**  
**Analysis Batch: 764596**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764105**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	0.200	0.195		mg/L		98	80 - 120

**Lab Sample ID: 680-230703-8 MS**  
**Matrix: Water**  
**Analysis Batch: 764406**

**Client Sample ID: WAN-GWC-30**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764105**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Antimony	<0.00034		0.0500	0.0462		mg/L		92	75 - 125
Arsenic	<0.00086		0.100	0.103		mg/L		103	75 - 125
Barium	0.0069	J	0.100	0.104		mg/L		97	75 - 125
Beryllium	<0.00020		0.0500	0.0492		mg/L		98	75 - 125
Cadmium	<0.000078		0.0500	0.0482		mg/L		96	75 - 125
Calcium	3.5		5.00	8.32		mg/L		96	75 - 125
Chromium	<0.0012		0.100	0.0937		mg/L		94	75 - 125
Cobalt	<0.00022		0.0500	0.0510		mg/L		102	75 - 125
Copper	<0.0011		0.100	0.102		mg/L		102	75 - 125
Lead	<0.00021		0.505	0.494		mg/L		98	75 - 125
Nickel	<0.00042		0.100	0.0996		mg/L		100	75 - 125
Selenium	<0.00099		0.100	0.103		mg/L		103	75 - 125
Silver	<0.00039		0.0500	0.0488		mg/L		98	75 - 125
Thallium	<0.00026		0.0500	0.0473		mg/L		95	75 - 125
Vanadium	0.00085	J	0.100	0.105		mg/L		104	75 - 125
Zinc	<0.0028		0.100	0.102		mg/L		102	75 - 125

**Lab Sample ID: 680-230703-8 MS**  
**Matrix: Water**  
**Analysis Batch: 764596**

**Client Sample ID: WAN-GWC-30**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764105**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Boron	<0.022		0.200	0.199		mg/L		99	75 - 125

**Lab Sample ID: 680-230703-8 MSD**  
**Matrix: Water**  
**Analysis Batch: 764406**

**Client Sample ID: WAN-GWC-30**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764105**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Antimony	<0.00034		0.0500	0.0480		mg/L		96	75 - 125	4	20
Arsenic	<0.00086		0.100	0.103		mg/L		103	75 - 125	1	20
Barium	0.0069	J	0.100	0.106		mg/L		99	75 - 125	2	20
Beryllium	<0.00020		0.0500	0.0491		mg/L		98	75 - 125	0	20
Cadmium	<0.000078		0.0500	0.0487		mg/L		97	75 - 125	1	20
Calcium	3.5		5.00	8.36		mg/L		97	75 - 125	0	20
Chromium	<0.0012		0.100	0.0960		mg/L		96	75 - 125	2	20
Cobalt	<0.00022		0.0500	0.0523		mg/L		105	75 - 125	3	20
Copper	<0.0011		0.100	0.106		mg/L		106	75 - 125	4	20
Lead	<0.00021		0.505	0.502		mg/L		100	75 - 125	2	20
Nickel	<0.00042		0.100	0.105		mg/L		105	75 - 125	5	20
Selenium	<0.00099		0.100	0.106		mg/L		106	75 - 125	3	20
Silver	<0.00039		0.0500	0.0486		mg/L		97	75 - 125	0	20

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

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

**Lab Sample ID: 680-230703-8 MSD**  
**Matrix: Water**  
**Analysis Batch: 764406**

**Client Sample ID: WAN-GWC-30**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764105**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Thallium	<0.00026		0.0500	0.0481		mg/L		96	75 - 125	2	20
Vanadium	0.00085	J	0.100	0.104		mg/L		103	75 - 125	1	20
Zinc	<0.0028		0.100	0.103		mg/L		103	75 - 125	1	20

**Lab Sample ID: 680-230703-8 MSD**  
**Matrix: Water**  
**Analysis Batch: 764596**

**Client Sample ID: WAN-GWC-30**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764105**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	<0.022		0.200	0.209		mg/L		104	75 - 125	5	20

## Method: 7470A - Mercury

**Lab Sample ID: MB 680-764131/1-A**  
**Matrix: Water**  
**Analysis Batch: 764337**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 764131**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/20/23 13:19	02/21/23 11:17	1

**Lab Sample ID: LCS 680-764131/2-A**  
**Matrix: Water**  
**Analysis Batch: 764337**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 764131**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00243		mg/L		97	80 - 120

**Lab Sample ID: 680-230703-2 MS**  
**Matrix: Water**  
**Analysis Batch: 764337**

**Client Sample ID: WAN-GWA-1**  
**Prep Type: Total/NA**  
**Prep Batch: 764131**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.000080		0.00100	0.000970		mg/L		97	80 - 120

**Lab Sample ID: 680-230703-2 MSD**  
**Matrix: Water**  
**Analysis Batch: 764337**

**Client Sample ID: WAN-GWA-1**  
**Prep Type: Total/NA**  
**Prep Batch: 764131**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000080		0.00100	0.000943		mg/L		94	80 - 120	3	20

**Lab Sample ID: MB 680-764365/1-A**  
**Matrix: Water**  
**Analysis Batch: 764581**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 764365**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/23 16:23	02/22/23 16:58	1

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

## Method: 7470A - Mercury (Continued)

**Lab Sample ID: LCS 680-764365/2-A**  
**Matrix: Water**  
**Analysis Batch: 764581**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 764365**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00244		mg/L		98	80 - 120

**Lab Sample ID: 680-230643-G-3-D MS**  
**Matrix: Water**  
**Analysis Batch: 764581**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 764365**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.000080		0.00100	0.000898		mg/L		90	80 - 120

**Lab Sample ID: 680-230643-G-3-E MSD**  
**Matrix: Water**  
**Analysis Batch: 764581**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 764365**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Mercury	<0.000080		0.00100	0.000926		mg/L		93	80 - 120	3	20

**Lab Sample ID: MB 680-764470/1-A**  
**Matrix: Water**  
**Analysis Batch: 764526**

**Client Sample ID: Method Blank**  
**Prep Type: Total/NA**  
**Prep Batch: 764470**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/22/23 11:03	02/22/23 14:39	1

**Lab Sample ID: LCS 680-764470/2-A**  
**Matrix: Water**  
**Analysis Batch: 764526**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total/NA**  
**Prep Batch: 764470**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00253		mg/L		101	80 - 120

**Lab Sample ID: 680-230881-A-1-D MS**  
**Matrix: Water**  
**Analysis Batch: 764526**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**  
**Prep Batch: 764470**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00092	F1 F2	0.00100	0.00150	F1	mg/L		58	80 - 120

**Lab Sample ID: 680-230881-A-1-E MSD**  
**Matrix: Water**  
**Analysis Batch: 764526**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**  
**Prep Batch: 764470**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	Limit
Mercury	0.00092	F1 F2	0.00100	0.00117	F1 F2	mg/L		25	80 - 120	25	20



# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

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

**Lab Sample ID: MB 680-764123/1**  
**Matrix: Water**  
**Analysis Batch: 764123**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/20/23 12:27	1

**Lab Sample ID: LCS 680-764123/2**  
**Matrix: Water**  
**Analysis Batch: 764123**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	2340	2370		mg/L		101	80 - 120

**Lab Sample ID: LCSD 680-764123/3**  
**Matrix: Water**  
**Analysis Batch: 764123**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	2340	2340		mg/L		100	80 - 120	1	25

**Lab Sample ID: 680-230617-C-1 DU**  
**Matrix: Water**  
**Analysis Batch: 764123**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1200		1250		mg/L		0.2	5

**Lab Sample ID: 680-230640-AD-1 DU**  
**Matrix: Water**  
**Analysis Batch: 764123**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	260		234	F3	mg/L		11	5

**Lab Sample ID: MB 680-764319/1**  
**Matrix: Water**  
**Analysis Batch: 764319**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/21/23 12:39	1

**Lab Sample ID: LCS 680-764319/2**  
**Matrix: Water**  
**Analysis Batch: 764319**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	2340	2430		mg/L		104	80 - 120

**Lab Sample ID: LCSD 680-764319/3**  
**Matrix: Water**  
**Analysis Batch: 764319**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	2340	2430		mg/L		104	80 - 120	0	25

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# QC Sample Results

Client: Southern Company  
 Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

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

**Lab Sample ID: 680-230617-B-2 DU**  
**Matrix: Water**  
**Analysis Batch: 764319**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1200		1220		mg/L	-	1	5

**Lab Sample ID: 680-230730-X-1 DU**  
**Matrix: Water**  
**Analysis Batch: 764319**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	230		232		mg/L	-	3	5



# QC Association Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

## HPLC/IC

### Analysis Batch: 764043

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-1	WAN-GWA-29	Total/NA	Water	300.0-1993 R2.1	
680-230703-2	WAN-GWA-1	Total/NA	Water	300.0-1993 R2.1	
680-230703-3	WAN-GWA-2	Total/NA	Water	300.0-1993 R2.1	
680-230703-4	WAN-GWA-3	Total/NA	Water	300.0-1993 R2.1	
680-230703-5	WAN-GWA-4	Total/NA	Water	300.0-1993 R2.1	
680-230703-6	WAN-GWA-28	Total/NA	Water	300.0-1993 R2.1	
680-230703-7	WAN-GWC-22	Total/NA	Water	300.0-1993 R2.1	
680-230703-8	WAN-GWC-30	Total/NA	Water	300.0-1993 R2.1	
680-230703-9	WAN-GWC-10	Total/NA	Water	300.0-1993 R2.1	
680-230703-10	WAN-GWC-12	Total/NA	Water	300.0-1993 R2.1	
680-230703-11	WAN-LF-EB-04	Total/NA	Water	300.0-1993 R2.1	
680-230703-12	WAN-GWC-32	Total/NA	Water	300.0-1993 R2.1	
680-230703-13	WAN-GWC-8	Total/NA	Water	300.0-1993 R2.1	
680-230703-14	WAN-GWC-9	Total/NA	Water	300.0-1993 R2.1	
MB 680-764043/33	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-764043/34	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-764043/35	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
680-230678-G-1 MS	Matrix Spike	Total/NA	Water	300.0-1993 R2.1	
680-230678-G-1 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0-1993 R2.1	
680-230703-5 MS	WAN-GWA-4	Total/NA	Water	300.0-1993 R2.1	
680-230703-5 MSD	WAN-GWA-4	Total/NA	Water	300.0-1993 R2.1	

## Metals

### Prep Batch: 764059

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-2	WAN-GWA-1	Total Recoverable	Water	3005A	
680-230703-3	WAN-GWA-2	Total Recoverable	Water	3005A	
680-230703-4	WAN-GWA-3	Total Recoverable	Water	3005A	
680-230703-5	WAN-GWA-4	Total Recoverable	Water	3005A	
680-230703-6	WAN-GWA-28	Total Recoverable	Water	3005A	
680-230703-7	WAN-GWC-22	Total Recoverable	Water	3005A	
680-230703-9	WAN-GWC-10	Total Recoverable	Water	3005A	
680-230703-10	WAN-GWC-12	Total Recoverable	Water	3005A	
680-230703-13	WAN-GWC-8	Total Recoverable	Water	3005A	
680-230703-14	WAN-GWC-9	Total Recoverable	Water	3005A	
MB 680-764059/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-764059/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-230722-H-3-B MS	Matrix Spike	Total Recoverable	Water	3005A	
680-230722-H-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Prep Batch: 764105

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-1	WAN-GWA-29	Total Recoverable	Water	3005A	
680-230703-8	WAN-GWC-30	Total Recoverable	Water	3005A	
680-230703-11	WAN-LF-EB-04	Total Recoverable	Water	3005A	
680-230703-12	WAN-GWC-32	Total Recoverable	Water	3005A	
MB 680-764105/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-764105/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-230703-8 MS	WAN-GWC-30	Total Recoverable	Water	3005A	
680-230703-8 MSD	WAN-GWC-30	Total Recoverable	Water	3005A	

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# QC Association Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

## Metals

### Prep Batch: 764131

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-2	WAN-GWA-1	Total/NA	Water	7470A	
680-230703-3	WAN-GWA-2	Total/NA	Water	7470A	
680-230703-4	WAN-GWA-3	Total/NA	Water	7470A	
680-230703-5	WAN-GWA-4	Total/NA	Water	7470A	
680-230703-6	WAN-GWA-28	Total/NA	Water	7470A	
680-230703-7	WAN-GWC-22	Total/NA	Water	7470A	
680-230703-9	WAN-GWC-10	Total/NA	Water	7470A	
680-230703-10	WAN-GWC-12	Total/NA	Water	7470A	
680-230703-13	WAN-GWC-8	Total/NA	Water	7470A	
680-230703-14	WAN-GWC-9	Total/NA	Water	7470A	
MB 680-764131/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-764131/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-230703-2 MS	WAN-GWA-1	Total/NA	Water	7470A	
680-230703-2 MSD	WAN-GWA-1	Total/NA	Water	7470A	

### Analysis Batch: 764211

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-2	WAN-GWA-1	Total Recoverable	Water	6020B	764059
680-230703-3	WAN-GWA-2	Total Recoverable	Water	6020B	764059
680-230703-4	WAN-GWA-3	Total Recoverable	Water	6020B	764059
680-230703-5	WAN-GWA-4	Total Recoverable	Water	6020B	764059
680-230703-6	WAN-GWA-28	Total Recoverable	Water	6020B	764059
680-230703-7	WAN-GWC-22	Total Recoverable	Water	6020B	764059
680-230703-9	WAN-GWC-10	Total Recoverable	Water	6020B	764059
680-230703-10	WAN-GWC-12	Total Recoverable	Water	6020B	764059
680-230703-13	WAN-GWC-8	Total Recoverable	Water	6020B	764059
680-230703-14	WAN-GWC-9	Total Recoverable	Water	6020B	764059
MB 680-764059/1-A	Method Blank	Total Recoverable	Water	6020B	764059
LCS 680-764059/2-A	Lab Control Sample	Total Recoverable	Water	6020B	764059
680-230722-H-3-B MS	Matrix Spike	Total Recoverable	Water	6020B	764059
680-230722-H-3-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	764059

### Analysis Batch: 764337

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-2	WAN-GWA-1	Total/NA	Water	7470A	764131
680-230703-3	WAN-GWA-2	Total/NA	Water	7470A	764131
680-230703-4	WAN-GWA-3	Total/NA	Water	7470A	764131
680-230703-5	WAN-GWA-4	Total/NA	Water	7470A	764131
680-230703-6	WAN-GWA-28	Total/NA	Water	7470A	764131
680-230703-7	WAN-GWC-22	Total/NA	Water	7470A	764131
680-230703-9	WAN-GWC-10	Total/NA	Water	7470A	764131
680-230703-10	WAN-GWC-12	Total/NA	Water	7470A	764131
680-230703-13	WAN-GWC-8	Total/NA	Water	7470A	764131
680-230703-14	WAN-GWC-9	Total/NA	Water	7470A	764131
MB 680-764131/1-A	Method Blank	Total/NA	Water	7470A	764131
LCS 680-764131/2-A	Lab Control Sample	Total/NA	Water	7470A	764131
680-230703-2 MS	WAN-GWA-1	Total/NA	Water	7470A	764131
680-230703-2 MSD	WAN-GWA-1	Total/NA	Water	7470A	764131

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

## Metals

### Prep Batch: 764365

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-1	WAN-GWA-29	Total/NA	Water	7470A	
680-230703-8	WAN-GWC-30	Total/NA	Water	7470A	
680-230703-12	WAN-GWC-32	Total/NA	Water	7470A	
MB 680-764365/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-764365/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-230643-G-3-D MS	Matrix Spike	Total/NA	Water	7470A	
680-230643-G-3-E MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Analysis Batch: 764406

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-1	WAN-GWA-29	Total Recoverable	Water	6020B	764105
680-230703-8	WAN-GWC-30	Total Recoverable	Water	6020B	764105
680-230703-11	WAN-LF-EB-04	Total Recoverable	Water	6020B	764105
680-230703-12	WAN-GWC-32	Total Recoverable	Water	6020B	764105
MB 680-764105/1-A	Method Blank	Total Recoverable	Water	6020B	764105
LCS 680-764105/2-A	Lab Control Sample	Total Recoverable	Water	6020B	764105
680-230703-8 MS	WAN-GWC-30	Total Recoverable	Water	6020B	764105
680-230703-8 MSD	WAN-GWC-30	Total Recoverable	Water	6020B	764105

### Prep Batch: 764470

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-11	WAN-LF-EB-04	Total/NA	Water	7470A	
MB 680-764470/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-764470/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-230881-A-1-D MS	Matrix Spike	Total/NA	Water	7470A	
680-230881-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Analysis Batch: 764526

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-11	WAN-LF-EB-04	Total/NA	Water	7470A	764470
MB 680-764470/1-A	Method Blank	Total/NA	Water	7470A	764470
LCS 680-764470/2-A	Lab Control Sample	Total/NA	Water	7470A	764470
680-230881-A-1-D MS	Matrix Spike	Total/NA	Water	7470A	764470
680-230881-A-1-E MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	764470

### Analysis Batch: 764581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-1	WAN-GWA-29	Total/NA	Water	7470A	764365
680-230703-8	WAN-GWC-30	Total/NA	Water	7470A	764365
680-230703-12	WAN-GWC-32	Total/NA	Water	7470A	764365
MB 680-764365/1-A	Method Blank	Total/NA	Water	7470A	764365
LCS 680-764365/2-A	Lab Control Sample	Total/NA	Water	7470A	764365
680-230643-G-3-D MS	Matrix Spike	Total/NA	Water	7470A	764365
680-230643-G-3-E MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	764365

### Analysis Batch: 764596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-1	WAN-GWA-29	Total Recoverable	Water	6020B	764105
680-230703-8	WAN-GWC-30	Total Recoverable	Water	6020B	764105
680-230703-11	WAN-LF-EB-04	Total Recoverable	Water	6020B	764105
680-230703-12	WAN-GWC-32	Total Recoverable	Water	6020B	764105

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# QC Association Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

## Metals (Continued)

### Analysis Batch: 764596 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
MB 680-764105/1-A	Method Blank	Total Recoverable	Water	6020B	764105
LCS 680-764105/2-A	Lab Control Sample	Total Recoverable	Water	6020B	764105
680-230703-8 MS	WAN-GWC-30	Total Recoverable	Water	6020B	764105
680-230703-8 MSD	WAN-GWC-30	Total Recoverable	Water	6020B	764105

## General Chemistry

### Analysis Batch: 764123

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-1	WAN-GWA-29	Total/NA	Water	2540C-2011	
680-230703-2	WAN-GWA-1	Total/NA	Water	2540C-2011	
680-230703-3	WAN-GWA-2	Total/NA	Water	2540C-2011	
680-230703-4	WAN-GWA-3	Total/NA	Water	2540C-2011	
680-230703-5	WAN-GWA-4	Total/NA	Water	2540C-2011	
680-230703-6	WAN-GWA-28	Total/NA	Water	2540C-2011	
680-230703-7	WAN-GWC-22	Total/NA	Water	2540C-2011	
680-230703-8	WAN-GWC-30	Total/NA	Water	2540C-2011	
680-230703-9	WAN-GWC-10	Total/NA	Water	2540C-2011	
680-230703-10	WAN-GWC-12	Total/NA	Water	2540C-2011	
MB 680-764123/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-764123/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-764123/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-230617-C-1 DU	Duplicate	Total/NA	Water	2540C-2011	
680-230640-AD-1 DU	Duplicate	Total/NA	Water	2540C-2011	

### Analysis Batch: 764319

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-11	WAN-LF-EB-04	Total/NA	Water	2540C-2011	
680-230703-12	WAN-GWC-32	Total/NA	Water	2540C-2011	
680-230703-13	WAN-GWC-8	Total/NA	Water	2540C-2011	
680-230703-14	WAN-GWC-9	Total/NA	Water	2540C-2011	
MB 680-764319/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-764319/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-764319/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-230617-B-2 DU	Duplicate	Total/NA	Water	2540C-2011	
680-230730-X-1 DU	Duplicate	Total/NA	Water	2540C-2011	

## Field Service / Mobile Lab

### Analysis Batch: 764382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-1	WAN-GWA-29	Total/NA	Water	Field Sampling	
680-230703-2	WAN-GWA-1	Total/NA	Water	Field Sampling	
680-230703-3	WAN-GWA-2	Total/NA	Water	Field Sampling	
680-230703-4	WAN-GWA-3	Total/NA	Water	Field Sampling	
680-230703-5	WAN-GWA-4	Total/NA	Water	Field Sampling	
680-230703-6	WAN-GWA-28	Total/NA	Water	Field Sampling	
680-230703-7	WAN-GWC-22	Total/NA	Water	Field Sampling	
680-230703-8	WAN-GWC-30	Total/NA	Water	Field Sampling	
680-230703-9	WAN-GWC-10	Total/NA	Water	Field Sampling	
680-230703-10	WAN-GWC-12	Total/NA	Water	Field Sampling	
680-230703-12	WAN-GWC-32	Total/NA	Water	Field Sampling	

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# QC Association Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

## Field Service / Mobile Lab (Continued)

### Analysis Batch: 764382 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230703-13	WAN-GWC-8	Total/NA	Water	Field Sampling	
680-230703-14	WAN-GWC-9	Total/NA	Water	Field Sampling	

1

2

3

4

5

6

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11

12

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

**Client Sample ID: WAN-GWA-29**

**Lab Sample ID: 680-230703-1**

**Date Collected: 02/13/23 16:44**

**Matrix: Water**

**Date Received: 02/17/23 07:47**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1 Instrument ID: CICK		1	5 mL	5 mL	764043	02/20/23 18:58	UI	EET SAV
Total Recoverable	Prep	3005A			25 mL	125 mL	764105	02/20/23 11:24	RR	EET SAV
Total Recoverable	Analysis	6020B Instrument ID: ICPMSC		1			764406	02/21/23 11:50	BWR	EET SAV
Total Recoverable	Prep	3005A			25 mL	125 mL	764105	02/20/23 11:24	RR	EET SAV
Total Recoverable	Analysis	6020B Instrument ID: ICPMSC		1			764596	02/22/23 14:51	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	764365	02/21/23 16:23	BCB	EET SAV
Total/NA	Analysis	7470A Instrument ID: QuickTrace2		1			764581	02/22/23 17:32	BJB	EET SAV
Total/NA	Analysis	2540C-2011 Instrument ID: NOEQUIP		1	200 mL	200 mL	764123	02/20/23 12:27	PG	EET SAV
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			764382	02/13/23 16:44	P1C	EET SAV

**Client Sample ID: WAN-GWA-1**

**Lab Sample ID: 680-230703-2**

**Date Collected: 02/14/23 14:15**

**Matrix: Water**

**Date Received: 02/17/23 07:47**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1 Instrument ID: CICK		1	5 mL	5 mL	764043	02/20/23 19:12	UI	EET SAV
Total Recoverable	Prep	3005A			25 mL	125 mL	764059	02/20/23 09:23	RR	EET SAV
Total Recoverable	Analysis	6020B Instrument ID: ICPMSC		1			764211	02/20/23 17:29	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	764131	02/20/23 13:19	JKL	EET SAV
Total/NA	Analysis	7470A Instrument ID: QuickTrace2		1			764337	02/21/23 11:38	BJB	EET SAV
Total/NA	Analysis	2540C-2011 Instrument ID: NOEQUIP		1	200 mL	200 mL	764123	02/20/23 12:27	PG	EET SAV
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			764382	02/14/23 14:15	P1C	EET SAV

**Client Sample ID: WAN-GWA-2**

**Lab Sample ID: 680-230703-3**

**Date Collected: 02/14/23 13:00**

**Matrix: Water**

**Date Received: 02/17/23 07:47**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1 Instrument ID: CICK		1	5 mL	5 mL	764043	02/20/23 19:25	UI	EET SAV
Total Recoverable	Prep	3005A			25 mL	125 mL	764059	02/20/23 09:23	RR	EET SAV
Total Recoverable	Analysis	6020B Instrument ID: ICPMSC		1			764211	02/20/23 17:54	BWR	EET SAV

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# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

## Client Sample ID: WAN-GWA-2

## Lab Sample ID: 680-230703-3

Date Collected: 02/14/23 13:00

Matrix: Water

Date Received: 02/17/23 07:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	764131	02/20/23 13:19	JKL	EET SAV
Total/NA	Analysis	7470A		1			764337	02/21/23 11:48	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	764123	02/20/23 12:27	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			764382	02/14/23 13:00	P1C	EET SAV
Instrument ID: NOEQUIP										

## Client Sample ID: WAN-GWA-3

## Lab Sample ID: 680-230703-4

Date Collected: 02/14/23 11:47

Matrix: Water

Date Received: 02/17/23 07:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	764043	02/20/23 19:38	UI	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764059	02/20/23 09:23	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764211	02/20/23 17:09	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764131	02/20/23 13:19	JKL	EET SAV
Total/NA	Analysis	7470A		1			764337	02/21/23 11:51	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	764123	02/20/23 12:27	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			764382	02/14/23 11:47	P1C	EET SAV
Instrument ID: NOEQUIP										

## Client Sample ID: WAN-GWA-4

## Lab Sample ID: 680-230703-5

Date Collected: 02/14/23 13:05

Matrix: Water

Date Received: 02/17/23 07:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	764043	02/20/23 20:17	UI	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764059	02/20/23 09:23	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764211	02/20/23 17:17	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764131	02/20/23 13:19	JKL	EET SAV
Total/NA	Analysis	7470A		1			764337	02/21/23 11:55	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	764123	02/20/23 12:27	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			764382	02/14/23 13:05	P1C	EET SAV
Instrument ID: NOEQUIP										

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

**Client Sample ID: WAN-GWA-28**

**Lab Sample ID: 680-230703-6**

**Date Collected: 02/14/23 14:05**

**Matrix: Water**

**Date Received: 02/17/23 07:47**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1 Instrument ID: CICK		1	5 mL	5 mL	764043	02/20/23 20:57	UI	EET SAV
Total Recoverable	Prep	3005A			25 mL	125 mL	764059	02/20/23 09:23	RR	EET SAV
Total Recoverable	Analysis	6020B Instrument ID: ICPMSC		1			764211	02/20/23 17:25	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	764131	02/20/23 13:19	JKL	EET SAV
Total/NA	Analysis	7470A Instrument ID: QuickTrace2		1			764337	02/21/23 11:58	BJB	EET SAV
Total/NA	Analysis	2540C-2011 Instrument ID: NOEQUIP		1	200 mL	200 mL	764123	02/20/23 12:27	PG	EET SAV
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			764382	02/14/23 14:05	P1C	EET SAV

**Client Sample ID: WAN-GWC-22**

**Lab Sample ID: 680-230703-7**

**Date Collected: 02/14/23 16:45**

**Matrix: Water**

**Date Received: 02/17/23 07:47**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1 Instrument ID: CICK		1	5 mL	5 mL	764043	02/20/23 21:10	UI	EET SAV
Total Recoverable	Prep	3005A			25 mL	125 mL	764059	02/20/23 09:23	RR	EET SAV
Total Recoverable	Analysis	6020B Instrument ID: ICPMSC		1			764211	02/20/23 17:42	BWR	EET SAV
Total/NA	Prep	7470A			50 mL	50 mL	764131	02/20/23 13:19	JKL	EET SAV
Total/NA	Analysis	7470A Instrument ID: QuickTrace2		1			764337	02/21/23 12:22	BJB	EET SAV
Total/NA	Analysis	2540C-2011 Instrument ID: NOEQUIP		1	200 mL	200 mL	764123	02/20/23 12:27	PG	EET SAV
Total/NA	Analysis	Field Sampling Instrument ID: NOEQUIP		1			764382	02/14/23 16:45	P1C	EET SAV

**Client Sample ID: WAN-GWC-30**

**Lab Sample ID: 680-230703-8**

**Date Collected: 02/14/23 16:05**

**Matrix: Water**

**Date Received: 02/17/23 07:47**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1 Instrument ID: CICK		1	5 mL	5 mL	764043	02/20/23 21:23	UI	EET SAV
Total Recoverable	Prep	3005A			25 mL	125 mL	764105	02/20/23 11:24	RR	EET SAV
Total Recoverable	Analysis	6020B Instrument ID: ICPMSC		1			764406	02/21/23 11:29	BWR	EET SAV
Total Recoverable	Prep	3005A			25 mL	125 mL	764105	02/20/23 11:24	RR	EET SAV
Total Recoverable	Analysis	6020B Instrument ID: ICPMSC		1			764596	02/22/23 14:31	BWR	EET SAV

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# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

**Client Sample ID: WAN-GWC-30**

**Lab Sample ID: 680-230703-8**

**Date Collected: 02/14/23 16:05**

**Matrix: Water**

**Date Received: 02/17/23 07:47**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	764365	02/21/23 16:23	BCB	EET SAV
Total/NA	Analysis	7470A		1			764581	02/22/23 17:56	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	764123	02/20/23 12:27	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			764382	02/14/23 16:05	P1C	EET SAV
Instrument ID: NOEQUIP										

**Client Sample ID: WAN-GWC-10**

**Lab Sample ID: 680-230703-9**

**Date Collected: 02/15/23 09:25**

**Matrix: Water**

**Date Received: 02/17/23 07:47**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	764043	02/20/23 21:36	UI	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764059	02/20/23 09:23	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764211	02/20/23 17:50	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764131	02/20/23 13:19	JKL	EET SAV
Total/NA	Analysis	7470A		1			764337	02/21/23 12:26	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	764123	02/20/23 12:27	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			764382	02/15/23 09:25	P1C	EET SAV
Instrument ID: NOEQUIP										

**Client Sample ID: WAN-GWC-12**

**Lab Sample ID: 680-230703-10**

**Date Collected: 02/15/23 11:35**

**Matrix: Water**

**Date Received: 02/17/23 07:47**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	764043	02/20/23 21:49	UI	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764059	02/20/23 09:23	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764211	02/20/23 17:13	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764131	02/20/23 13:19	JKL	EET SAV
Total/NA	Analysis	7470A		1			764337	02/21/23 12:29	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	764123	02/20/23 12:27	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			764382	02/15/23 11:35	P1C	EET SAV
Instrument ID: NOEQUIP										

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# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

**Client Sample ID: WAN-LF-EB-04**

**Lab Sample ID: 680-230703-11**

**Date Collected: 02/15/23 11:25**

**Matrix: Water**

**Date Received: 02/17/23 07:47**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	764043	02/20/23 22:03	UI	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764105	02/20/23 11:24	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764406	02/21/23 11:42	BWR	EET SAV
Instrument ID: ICPMSC										
Total Recoverable	Prep	3005A			25 mL	125 mL	764105	02/20/23 11:24	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764596	02/22/23 14:43	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764470	02/22/23 11:03	BCB	EET SAV
Total/NA	Analysis	7470A		1			764526	02/22/23 15:56	BCB	EET SAV
Instrument ID: LEEMAN2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	764319	02/21/23 12:39	PG	EET SAV
Instrument ID: NOEQUIP										

**Client Sample ID: WAN-GWC-32**

**Lab Sample ID: 680-230703-12**

**Date Collected: 02/15/23 11:08**

**Matrix: Water**

**Date Received: 02/17/23 07:47**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	764043	02/20/23 22:16	UI	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764105	02/20/23 11:24	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764406	02/21/23 11:46	BWR	EET SAV
Instrument ID: ICPMSC										
Total Recoverable	Prep	3005A			25 mL	125 mL	764105	02/20/23 11:24	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764596	02/22/23 14:47	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764365	02/21/23 16:23	BCB	EET SAV
Total/NA	Analysis	7470A		1			764581	02/22/23 17:22	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	764319	02/21/23 12:39	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			764382	02/15/23 11:08	P1C	EET SAV
Instrument ID: NOEQUIP										

**Client Sample ID: WAN-GWC-8**

**Lab Sample ID: 680-230703-13**

**Date Collected: 02/15/23 14:55**

**Matrix: Water**

**Date Received: 02/17/23 07:47**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	764043	02/20/23 22:29	UI	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764059	02/20/23 09:23	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764211	02/20/23 17:21	BWR	EET SAV
Instrument ID: ICPMSC										

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# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

## Client Sample ID: WAN-GWC-8

## Lab Sample ID: 680-230703-13

Date Collected: 02/15/23 14:55

Matrix: Water

Date Received: 02/17/23 07:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	7470A			50 mL	50 mL	764131	02/20/23 13:19	JKL	EET SAV
Total/NA	Analysis	7470A		1			764337	02/21/23 12:33	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	764319	02/21/23 12:39	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			764382	02/15/23 14:55	P1C	EET SAV
Instrument ID: NOEQUIP										

## Client Sample ID: WAN-GWC-9

## Lab Sample ID: 680-230703-14

Date Collected: 02/15/23 16:35

Matrix: Water

Date Received: 02/17/23 07:47

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	764043	02/20/23 22:42	UI	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764059	02/20/23 09:23	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764211	02/20/23 17:46	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764131	02/20/23 13:19	JKL	EET SAV
Total/NA	Analysis	7470A		1			764337	02/21/23 12:36	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	764319	02/21/23 12:39	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			764382	02/15/23 16:35	P1C	EET SAV
Instrument ID: NOEQUIP										

**Laboratory References:**

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

# Accreditation/Certification Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

## Laboratory: Eurofins Savannah

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

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

1

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# Method Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230703-1

Method	Method Description	Protocol	Laboratory
300.0-1993 R2.1	Anions, Ion Chromatography	MCAWW	EET SAV
6020B	Metals (ICP/MS)	SW846	EET SAV
7470A	Mercury	SW846	EET SAV
2540C-2011	Total Dissolved Solids (Dried at 180 °C)	SM	EET SAV
Field Sampling	Field Sampling	EPA	EET SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV
7470A	Preparation, Mercury	SW846	EET SAV

#### Protocol References:

EPA = US Environmental Protection Agency

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

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

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

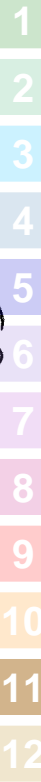
#### Laboratory References:

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

**Chain of Custody Record**

<b>Client Information</b>		Lab PM: Fuller, David	Carrier Tracking No(s):	COC No.:											
Client Contact: T. Johnson, D. Johnson		E-Mail: david.fuller@et.eurofins.com		Page: 1 of 2											
SCS Contacts: 770-594-5998				Job #:											
Company: GA Power															
Address: 241 Ralph McGill Blvd SE															
City: Atlanta															
State, Zip: GA, 30308															
Phone: 404-506-7116(Tel)															
Email: 68027763															
SCS Contacts / ACC Contacts:															
Project Name: Plant Wansley Landfill															
Site:															
Due Date Requested:															
TAT Requested (days): GWC-12 metals for 5 days															
All others Standard															
Lab Project #: 68027763															
PO #:															
Project #:															
SSOW#:															
Sample Identification		Sample Date (mm/dd/yy)	Sample Time (hh:mm)	Sample Type (C=Comp, G=grab)	Matrix (W=air, water, WQ=quality control)	Preservation Code	Field Filtered Sample (Yes or No)	Perform MS/MSD (Yes or No)	AP 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	CF, F, SO <sub>4</sub> , & TDS (EPA 3000 & SM 2540C)	D	I	Total Number of Containers	Task Code: WAN-CCR-ASSMT-2023S1	Special Instructions/Note: APP III + State Permit Metals
WAN-GWA-29	02/13/23	1644	G	WG			X	X					3	pH= 5.64	
WAN-GWA-1	02/14/23	1415	G	WG			N	X					3	pH= 5.56	
WAN-GWA-2	02/14/23	1300	G	WG			N	X					3	pH= 5.64	
WAN-GWA-3	02/14/23	1147	G	WG			N	X					3	pH= 5.53	
WAN-GWA-4	02/14/23	1305	G	WG			N	X					3	pH= 6.20	
WAN-GWA-28	02/14/23	1405	G	WG			N	X					3	pH= 6.12	
WAN-GWC-22	02/14/23	1645	G	WG			N	X					3	pH= 6.56	
WAN-GWC-30	02/14/23	1605	G	WG			N	X					3	pH= 5.91	
WAN-GWC-10	02/15/23	0925	G	WG			N	X					3	pH= 5.76	
WAN-GWC-12	02/15/23	1135	G	WG			N	X					3	pH= 6.98	
WAN-LF-EB-04	02/15/23	1125	G	WQ			N	X					3	pH=	
Possible Hazard Identification		Poison B <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Flammable <input type="checkbox"/> Non-Hazard <input type="checkbox"/>		Unknown <input type="checkbox"/> Radiological <input type="checkbox"/>		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month)		Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/>		Archive For _____ Months		Special Instructions/QC Requirements			
Deliverable Requested I, II, III, IV Other (specify)		Empty Kit Relinquished by		Date:		Method of Shipment:		Received by:		Date/Time:		Company:			
Relinquished by: <i>David Johnson</i>		Date/Time: 2/16/23		0747		Company: ACC		Received by: <i>David Johnson</i>		Date/Time: 2/16/23		Company: ACC			
Relinquished by: <i>David Johnson</i>		Date/Time: 2/16/23		16:00		Company: Eurofins		Received by: <i>David Johnson</i>		Date/Time: 2/16/23		Company: Eurofins			
Relinquished by: <i>David Johnson</i>		Date/Time: 2/16/23		16:00		Company: Eurofins		Received by: <i>David Johnson</i>		Date/Time: 2/16/23		Company: Eurofins			
Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: 0.3 - 0.3											

CD





# Chain of Custody Record

<b>Client Information</b> Client Contact: <u>J. Johnson, P. Johnson</u> SCS Contacts: <u>770-594-5998</u> Company: <u>GA Power</u>		Lab PM: <u>Fuller, David</u> E-Mail: <u>david.fuller@et.eurofins.com</u>		Carrier Tracking No(s): <u>202207</u> Job #: <u>2022</u>	
Address: <u>2411 Ralph McGill Blvd SE</u> City: <u>Atlanta</u> State, Zip: <u>GA, 30308</u> Phone: <u>404-506-7116(Tel)</u> Email: <u>68027763</u> SCS Contacts / ACC Contacts: <u>PO #:</u> Project Name: <u>Project #:</u> Plant: <u>Wansley Landfill</u> Site: <u>SSOW#:</u>		Due Date Requested: _____ TAT Requested (days): _____ Lab Project #: _____ PO #: _____ Project #: _____ SSOW#: _____		Analysis Requested: _____ Total Number of Containers: _____	
<b>Sample Identification</b> Sample ID: <u>WAN-GWC-32</u> Sample ID: <u>WAN-GWC-8</u> Sample ID: <u>WAN-GWC-9</u> Sample ID: <u>WAN-</u> Sample ID: <u>WAN-</u> Sample ID: <u>WAN-</u> Sample ID: <u>WAN-</u> Sample ID: <u>WAN-</u> Sample ID: <u>WAN-</u> Sample ID: <u>WAN-</u> Sample ID: <u>WAN-</u>		Sample Date (mm/dd/yy): <u>02/15/23</u> <u>02/15/23</u> <u>02/15/23</u> _____ _____ _____ _____ _____ _____ _____ _____	Sample Time (hh:mm): <u>1108</u> <u>1455</u> <u>1635</u> _____ _____ _____ _____ _____ _____ _____ _____	Sample Type (C=Comp, G=Grab): <u>G</u> <u>G</u> <u>G</u> _____ _____ _____ _____ _____ _____ _____	Mark (W=Ground water, W=Surface water, W=Quality control): <u>WG</u> <u>WG</u> <u>WG</u> _____ _____ _____ _____ _____ _____ _____
Perform MS/MSD (Yes or No): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Field Filtered Sample (Yes or No): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No AP III and State Permit Metals (EPA 6020 & 7470), As, B, Ba, Be, Ca, Cd, Cr, Co, Cu, Pb, Ni, Sb, Se, Ag, Ti, Zn, Hg Cl <sup>-</sup> , F <sup>-</sup> , SO <sub>4</sub> , & TDS (EPA 300.0 & SM 2540C) D I		pH: <u>5.98</u> <u>6.03</u> <u>5.56</u> _____ _____ _____ _____ _____ _____ _____		Task Code: <u>WAN-CCR-ASSMT-2023S1</u> Special Instructions/Note: <u>APP III + State Permit Metals</u>	
Preservation Codes: A - HCL B - NaOH C - Zn Acetate D - Nitric Acid E - NaHSO <sub>4</sub> F - MeOH G - Amchlor H - Ascorbic Acid I - Ice J - DI Water K - EDTA L - EDA Other: _____ M - Hexane N - None O - AsNaO <sub>2</sub> P - Na <sub>2</sub> O <sub>4</sub> Q - Na <sub>2</sub> SO <sub>3</sub> R - Na <sub>2</sub> SO <sub>3</sub> S - H <sub>2</sub> SO <sub>4</sub> T - TSP Dodecahydrate U - Acetone V - MCAA W - pH 4-5 Z - other (specify)					
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological Deliverable Requested I, II, III, IV Other (specify) _____					
Empty Kit Relinquished by: _____ Date: _____ Relinquished by: <u>David Johnson</u> Date/Time: <u>2/16/23 / 0747</u> Relinquished by: <u>Ray Jay</u> Date/Time: <u>2/16/23 / 16:00</u> Relinquished by: _____ Date/Time: _____ Custody Seals Intact: <input type="checkbox"/> Yes <input type="checkbox"/> No Custody Seal No: _____					
Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months Special Instructions/QC Requirements: _____					
Received by: <u>ACC</u> Date/Time: <u>2/16/23 07:44</u> Company: _____ Received by: <u>Ray Jay</u> Date/Time: <u>2/16/23 16:00</u> Company: _____ Received by: _____ Date/Time: _____ Company: _____ Cooler Temperature(s) °C and Other Remarks: <u>0.3 - 0.3</u>					

# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-230703-1

**Login Number: 230703**

**List Source: Eurofins Savannah**

**List Number: 1**

**Creator: Harley, Tynisha**

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





# ANALYTICAL REPORT

## PREPARED FOR

Attn: Robert (Trey) Singleton  
Southern Company  
3535 Colonnade Parkway  
Bin S 530 EC  
Birmingham, Alabama 35243

Generated 3/2/2023 9:20:19 AM Revision 1

## JOB DESCRIPTION

Plant Wansley Landfill

## JOB NUMBER

680-230803-1

# Eurofins Savannah

## Job Notes

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

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

## Authorization



Authorized for release by  
David Fuller, Project Manager  
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(770)344-8986

Generated  
3/2/2023 9:20:19 AM  
Revision 1

# Definitions/Glossary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-1

## Qualifiers

### HPLC/IC

Qualifier	Qualifier Description
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
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
4	MS, MSD: The analyte present in the original sample is greater than 4 times the matrix spike concentration; therefore, control limits are not applicable.
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.
α	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

# Sample Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-1

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Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-230803-1	WAN-GWC-24	Water	02/16/23 11:19	02/18/23 06:30
680-230803-2	WAN-LF-FB-10	Water	02/16/23 11:05	02/18/23 06:30
680-230803-3	WAN-GWC-14	Water	02/17/23 10:48	02/18/23 06:30

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# Case Narrative

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-1

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**Job ID: 680-230803-1**

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**Laboratory: Eurofins Savannah**

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**Narrative**

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**Job Narrative  
680-230803-1**

**Revision 1**

The report being provided is a revision of the original report sent on 2/28/2023. The report (revision 1) is being revised in order to correct the QC linking of the dilution analysis of the MS & MSD samples for Boron in Prep batch 764270.

**Receipt**

The samples were received on 2/18/2023 6:30 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 4.3°C

**HPLC/IC**

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

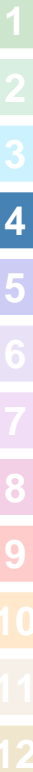
**Metals**

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

**General Chemistry**

Method 2540C: A lesser volume of sample was used for the following sample due to the nature of the sample matrix resulting in elevated reporting limits: WAN-GWC-14.

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



# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-1

**Client Sample ID: WAN-GWC-24**

**Lab Sample ID: 680-230803-1**

Date Collected: 02/16/23 11:19

Matrix: Water

Date Received: 02/18/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	4.5		1.0	0.20	mg/L			02/22/23 02:33	1
Fluoride	<0.040		0.10	0.040	mg/L			02/22/23 02:33	1
Sulfate	0.40	J	1.0	0.40	mg/L			02/22/23 02:33	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/21/23 09:52	02/22/23 18:59	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/21/23 09:52	02/22/23 18:59	1
Barium	0.013		0.010	0.00089	mg/L		02/21/23 09:52	02/22/23 18:59	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/21/23 09:52	02/22/23 18:59	1
Boron	0.036	J B	0.080	0.022	mg/L		02/21/23 09:52	02/24/23 16:33	1
Cadmium	0.000080	J	0.0025	0.000078	mg/L		02/21/23 09:52	02/22/23 18:59	1
Calcium	0.19	J	0.50	0.14	mg/L		02/21/23 09:52	02/22/23 18:59	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/21/23 09:52	02/22/23 18:59	1
Cobalt	0.0019	J	0.0025	0.00022	mg/L		02/21/23 09:52	02/22/23 18:59	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/21/23 09:52	02/22/23 18:59	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/21/23 09:52	02/22/23 18:59	1
Nickel	0.0014		0.0010	0.00042	mg/L		02/21/23 09:52	02/22/23 18:59	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/21/23 09:52	02/22/23 18:59	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/21/23 09:52	02/22/23 18:59	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/21/23 09:52	02/22/23 18:59	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/21/23 09:52	02/22/23 18:59	1
Zinc	0.0059		0.0050	0.0028	mg/L		02/21/23 09:52	02/22/23 18:59	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/23 13:57	02/22/23 12:14	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	19		10	10	mg/L			02/22/23 12:05	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.08				SU			02/16/23 11:19	1

**Client Sample ID: WAN-LF-FB-10**

**Lab Sample ID: 680-230803-2**

Date Collected: 02/16/23 11:05

Matrix: Water

Date Received: 02/18/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			02/22/23 02:47	1
Fluoride	<0.040		0.10	0.040	mg/L			02/22/23 02:47	1
Sulfate	<0.40		1.0	0.40	mg/L			02/22/23 02:47	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/21/23 09:52	02/22/23 18:51	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/21/23 09:52	02/22/23 18:51	1

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# Client Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-1

**Client Sample ID: WAN-LF-FB-10**

**Lab Sample ID: 680-230803-2**

Date Collected: 02/16/23 11:05

Matrix: Water

Date Received: 02/18/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Barium	<0.00089		0.010	0.00089	mg/L		02/21/23 09:52	02/22/23 18:51	1
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/21/23 09:52	02/22/23 18:51	1
<b>Boron</b>	<b>0.039</b>	<b>J B</b>	0.080	0.022	mg/L		02/21/23 09:52	02/24/23 16:25	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/21/23 09:52	02/22/23 18:51	1
Calcium	<0.14		0.50	0.14	mg/L		02/21/23 09:52	02/22/23 18:51	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/21/23 09:52	02/22/23 18:51	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/21/23 09:52	02/22/23 18:51	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/21/23 09:52	02/22/23 18:51	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/21/23 09:52	02/22/23 18:51	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/21/23 09:52	02/22/23 18:51	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/21/23 09:52	02/22/23 18:51	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/21/23 09:52	02/22/23 18:51	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/21/23 09:52	02/22/23 18:51	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/21/23 09:52	02/22/23 18:51	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/21/23 09:52	02/22/23 18:51	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/23 13:57	02/22/23 12:18	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	<10		10	10	mg/L			02/22/23 12:05	1

**Client Sample ID: WAN-GWC-14**

**Lab Sample ID: 680-230803-3**

Date Collected: 02/17/23 10:48

Matrix: Water

Date Received: 02/18/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
<b>Chloride</b>	<b>84</b>		1.0	0.20	mg/L			02/22/23 03:00	1
<b>Fluoride</b>	<b>0.081</b>	<b>J</b>	0.10	0.040	mg/L			02/22/23 03:00	1
<b>Sulfate</b>	<b>5.7</b>		1.0	0.40	mg/L			02/22/23 03:00	1

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/21/23 09:52	02/22/23 18:55	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/21/23 09:52	02/22/23 18:55	1
<b>Barium</b>	<b>0.17</b>		0.010	0.00089	mg/L		02/21/23 09:52	02/22/23 18:55	1
<b>Beryllium</b>	<b>0.00030</b>	<b>J</b>	0.0025	0.00020	mg/L		02/21/23 09:52	02/22/23 18:55	1
<b>Boron</b>	<b>0.65</b>	<b>B</b>	0.080	0.022	mg/L		02/21/23 09:52	02/24/23 16:29	1
<b>Cadmium</b>	<b>0.00011</b>	<b>J</b>	0.0025	0.000078	mg/L		02/21/23 09:52	02/22/23 18:55	1
<b>Calcium</b>	<b>23</b>		0.50	0.14	mg/L		02/21/23 09:52	02/22/23 18:55	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/21/23 09:52	02/22/23 18:55	1
<b>Cobalt</b>	<b>0.29</b>		0.0025	0.00022	mg/L		02/21/23 09:52	02/22/23 18:55	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/21/23 09:52	02/22/23 18:55	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/21/23 09:52	02/22/23 18:55	1
<b>Nickel</b>	<b>0.019</b>		0.0010	0.00042	mg/L		02/21/23 09:52	02/22/23 18:55	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/21/23 09:52	02/22/23 18:55	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/21/23 09:52	02/22/23 18:55	1

Eurofins Savannah

# Client Sample Results

Client: Southern Company  
 Project/Site: Plant Wansley Landfill

Job ID: 680-230803-1

**Client Sample ID: WAN-GWC-14**

**Lab Sample ID: 680-230803-3**

Date Collected: 02/17/23 10:48

Matrix: Water

Date Received: 02/18/23 06:30

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

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Thallium	0.00044	J	0.0010	0.00026	mg/L		02/21/23 09:52	02/22/23 18:55	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/21/23 09:52	02/22/23 18:55	1
Zinc	0.015		0.0050	0.0028	mg/L		02/21/23 09:52	02/22/23 18:55	1

**Method: SW846 7470A - Mercury**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/23 13:57	02/22/23 12:11	1

**General Chemistry**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids (SM 2540C-2011)	260		40	40	mg/L			02/23/23 13:26	1

**Method: EPA Field Sampling - Field Sampling**

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Field pH	5.73				SU			02/17/23 10:48	1

# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-1

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

**Lab Sample ID: MB 680-764279/63**  
**Matrix: Water**  
**Analysis Batch: 764279**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<0.20		1.0	0.20	mg/L			02/21/23 23:56	1
Fluoride	<0.040		0.10	0.040	mg/L			02/21/23 23:56	1
Sulfate	<0.40		1.0	0.40	mg/L			02/21/23 23:56	1

**Lab Sample ID: LCS 680-764279/64**  
**Matrix: Water**  
**Analysis Batch: 764279**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	10.0	10.4		mg/L		104	90 - 110
Fluoride	2.00	2.11		mg/L		106	90 - 110
Sulfate	10.0	10.3		mg/L		103	90 - 110

**Lab Sample ID: LCSD 680-764279/65**  
**Matrix: Water**  
**Analysis Batch: 764279**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	10.0	10.4		mg/L		104	90 - 110	0	15
Fluoride	2.00	2.11		mg/L		106	90 - 110	0	15
Sulfate	10.0	10.3		mg/L		103	90 - 110	0	15

**Lab Sample ID: 680-230721-B-14 MS**  
**Matrix: Water**  
**Analysis Batch: 764279**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	3.9		10.0	13.7		mg/L		98	80 - 120
Fluoride	0.85		2.00	2.93		mg/L		104	80 - 120
Sulfate	65		10.0	74.1	4	mg/L		93	80 - 120

**Lab Sample ID: 680-230721-B-14 MSD**  
**Matrix: Water**  
**Analysis Batch: 764279**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	3.9		10.0	14.0		mg/L		102	80 - 120	3	15
Fluoride	0.85		2.00	3.01		mg/L		108	80 - 120	3	15
Sulfate	65		10.0	74.4	4	mg/L		97	80 - 120	1	15

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

**Lab Sample ID: MB 680-764270/1-A**  
**Matrix: Water**  
**Analysis Batch: 764596**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764270**

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Antimony	<0.00034		0.0020	0.00034	mg/L		02/21/23 09:52	02/22/23 18:23	1
Arsenic	<0.00086		0.0010	0.00086	mg/L		02/21/23 09:52	02/22/23 18:23	1
Barium	<0.00089		0.010	0.00089	mg/L		02/21/23 09:52	02/22/23 18:23	1

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-1

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

**Lab Sample ID: MB 680-764270/1-A**  
**Matrix: Water**  
**Analysis Batch: 764596**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764270**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Beryllium	<0.00020		0.0025	0.00020	mg/L		02/21/23 09:52	02/22/23 18:23	1
Cadmium	<0.000078		0.0025	0.000078	mg/L		02/21/23 09:52	02/22/23 18:23	1
Calcium	<0.14		0.50	0.14	mg/L		02/21/23 09:52	02/22/23 18:23	1
Chromium	<0.0012		0.0020	0.0012	mg/L		02/21/23 09:52	02/22/23 18:23	1
Cobalt	<0.00022		0.0025	0.00022	mg/L		02/21/23 09:52	02/22/23 18:23	1
Copper	<0.0011		0.0020	0.0011	mg/L		02/21/23 09:52	02/22/23 18:23	1
Lead	<0.00021		0.0010	0.00021	mg/L		02/21/23 09:52	02/22/23 18:23	1
Nickel	<0.00042		0.0010	0.00042	mg/L		02/21/23 09:52	02/22/23 18:23	1
Selenium	<0.00099		0.0050	0.00099	mg/L		02/21/23 09:52	02/22/23 18:23	1
Silver	<0.00039		0.0010	0.00039	mg/L		02/21/23 09:52	02/22/23 18:23	1
Thallium	<0.00026		0.0010	0.00026	mg/L		02/21/23 09:52	02/22/23 18:23	1
Vanadium	<0.00063		0.0020	0.00063	mg/L		02/21/23 09:52	02/22/23 18:23	1
Zinc	<0.0028		0.0050	0.0028	mg/L		02/21/23 09:52	02/22/23 18:23	1

**Lab Sample ID: MB 680-764270/1-A**  
**Matrix: Water**  
**Analysis Batch: 764981**

**Client Sample ID: Method Blank**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764270**

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Boron	0.0248	J	0.080	0.022	mg/L		02/21/23 09:52	02/24/23 15:57	1

**Lab Sample ID: LCS 680-764270/2-A**  
**Matrix: Water**  
**Analysis Batch: 764596**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764270**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Arsenic	0.100	0.102		mg/L		102	80 - 120
Barium	0.100	0.0976		mg/L		98	80 - 120
Beryllium	0.0500	0.0488		mg/L		98	80 - 120
Cadmium	0.0500	0.0492		mg/L		98	80 - 120
Calcium	5.00	5.14		mg/L		103	80 - 120
Chromium	0.100	0.0952		mg/L		95	80 - 120
Cobalt	0.0500	0.0510		mg/L		102	80 - 120
Copper	0.100	0.106		mg/L		106	80 - 120
Lead	0.505	0.497		mg/L		98	80 - 120
Nickel	0.100	0.102		mg/L		102	80 - 120
Selenium	0.100	0.104		mg/L		104	80 - 120
Silver	0.0500	0.0491		mg/L		98	80 - 120
Thallium	0.0500	0.0477		mg/L		95	80 - 120
Vanadium	0.100	0.104		mg/L		104	80 - 120
Zinc	0.100	0.0987		mg/L		99	80 - 120

**Lab Sample ID: LCS 680-764270/2-A**  
**Matrix: Water**  
**Analysis Batch: 764981**

**Client Sample ID: Lab Control Sample**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764270**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-1

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

**Lab Sample ID: 680-230804-E-2-B MS**  
**Matrix: Water**  
**Analysis Batch: 764596**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764270**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD
Antimony	0.0037		0.0500	0.0539		mg/L		101	75 - 125	
Arsenic	0.083		0.100	0.182		mg/L		99	75 - 125	
Barium	0.075		0.100	0.168		mg/L		93	75 - 125	
Beryllium	0.00022	J	0.0500	0.0497		mg/L		99	75 - 125	
Cadmium	0.00025	J	0.0500	0.0495		mg/L		99	75 - 125	
Chromium	0.0039		0.100	0.0994		mg/L		95	75 - 125	
Cobalt	0.00052	J	0.0500	0.0519		mg/L		103	75 - 125	
Copper	0.0014	J	0.100	0.107		mg/L		106	75 - 125	
Lead	0.0018		0.505	0.509		mg/L		100	75 - 125	
Nickel	0.0023		0.100	0.103		mg/L		101	75 - 125	
Selenium	0.0013	J	0.100	0.107		mg/L		105	75 - 125	
Silver	<0.00039		0.0500	0.0486		mg/L		97	75 - 125	
Thallium	0.00097	J	0.0500	0.0505		mg/L		99	75 - 125	
Vanadium	0.24		0.100	0.327		mg/L		87	75 - 125	
Zinc	0.0091		0.100	0.103		mg/L		94	75 - 125	

**Lab Sample ID: 680-230804-E-2-B MS ^100**  
**Matrix: Water**  
**Analysis Batch: 764981**

**Client Sample ID: Matrix Spike**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764270**

Analyte	Sample	Sample	Spike	MS	MS	Unit	D	%Rec	%Rec	
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD
Boron	49	B	0.200	47.6	4	mg/L		-574	75 - 125	

**Lab Sample ID: 680-230804-E-2-C MSD**  
**Matrix: Water**  
**Analysis Batch: 764596**

**Client Sample ID: Matrix Spike Duplicate**  
**Prep Type: Total Recoverable**  
**Prep Batch: 764270**

Analyte	Sample	Sample	Spike	MSD	MSD	Unit	D	%Rec	%Rec		RPD	Limit
	Result	Qualifier	Added	Result	Qualifier				Limits	RPD		
Antimony	0.0037		0.0500	0.0582		mg/L		109	75 - 125	8	20	
Arsenic	0.083		0.100	0.194		mg/L		111	75 - 125	7	20	
Barium	0.075		0.100	0.177		mg/L		102	75 - 125	5	20	
Beryllium	0.00022	J	0.0500	0.0510		mg/L		102	75 - 125	3	20	
Cadmium	0.00025	J	0.0500	0.0525		mg/L		104	75 - 125	6	20	
Chromium	0.0039		0.100	0.104		mg/L		101	75 - 125	5	20	
Cobalt	0.00052	J	0.0500	0.0553		mg/L		110	75 - 125	6	20	
Copper	0.0014	J	0.100	0.115		mg/L		114	75 - 125	7	20	
Lead	0.0018		0.505	0.546		mg/L		108	75 - 125	7	20	
Nickel	0.0023		0.100	0.110		mg/L		108	75 - 125	7	20	
Selenium	0.0013	J	0.100	0.116		mg/L		115	75 - 125	8	20	
Silver	<0.00039		0.0500	0.0509		mg/L		102	75 - 125	5	20	
Thallium	0.00097	J	0.0500	0.0543		mg/L		107	75 - 125	7	20	
Vanadium	0.24		0.100	0.345		mg/L		105	75 - 125	5	20	
Zinc	0.0091		0.100	0.114		mg/L		105	75 - 125	10	20	

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-1

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

Lab Sample ID: 680-230804-E-2-C MSD ^100  
Matrix: Water  
Analysis Batch: 764981

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total Recoverable  
Prep Batch: 764270

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Boron	49	B	0.200	47.3	4	mg/L		-711	75 - 125	1	20

## Method: 7470A - Mercury

Lab Sample ID: MB 680-764336/1-A  
Matrix: Water  
Analysis Batch: 764581

Client Sample ID: Method Blank  
Prep Type: Total/NA  
Prep Batch: 764336

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Mercury	<0.000080		0.00020	0.000080	mg/L		02/21/23 13:57	02/22/23 11:54	1

Lab Sample ID: LCS 680-764336/2-A  
Matrix: Water  
Analysis Batch: 764581

Client Sample ID: Lab Control Sample  
Prep Type: Total/NA  
Prep Batch: 764336

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	0.00250	0.00266		mg/L		107	80 - 120

Lab Sample ID: 680-230805-G-12-E MS  
Matrix: Water  
Analysis Batch: 764581

Client Sample ID: Matrix Spike  
Prep Type: Total/NA  
Prep Batch: 764336

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Mercury	<0.000080		0.00100	0.000984		mg/L		98	80 - 120

Lab Sample ID: 680-230805-G-12-F MSD  
Matrix: Water  
Analysis Batch: 764581

Client Sample ID: Matrix Spike Duplicate  
Prep Type: Total/NA  
Prep Batch: 764336

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Mercury	<0.000080		0.00100	0.000998		mg/L		100	80 - 120	1	20

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

Lab Sample ID: MB 680-764476/1  
Matrix: Water  
Analysis Batch: 764476

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/22/23 12:05	1

Lab Sample ID: LCS 680-764476/2  
Matrix: Water  
Analysis Batch: 764476

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	2340	2420		mg/L		103	80 - 120

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# QC Sample Results

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-1

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

**Lab Sample ID: LCSD 680-764476/3**  
**Matrix: Water**  
**Analysis Batch: 764476**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	2340	2400		mg/L		102	80 - 120	1	25

**Lab Sample ID: 680-230718-B-1 DU**  
**Matrix: Water**  
**Analysis Batch: 764476**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	1200		1230		mg/L		2	5

**Lab Sample ID: MB 680-764716/1**  
**Matrix: Water**  
**Analysis Batch: 764716**

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

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total Dissolved Solids	<10		10	10	mg/L			02/23/23 13:26	1

**Lab Sample ID: LCS 680-764716/2**  
**Matrix: Water**  
**Analysis Batch: 764716**

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

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Total Dissolved Solids	2340	2410		mg/L		103	80 - 120

**Lab Sample ID: LCSD 680-764716/3**  
**Matrix: Water**  
**Analysis Batch: 764716**

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

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Total Dissolved Solids	2340	2360		mg/L		101	80 - 120	2	25

**Lab Sample ID: 680-230845-F-2 DU**  
**Matrix: Water**  
**Analysis Batch: 764716**

**Client Sample ID: Duplicate**  
**Prep Type: Total/NA**

Analyte	Sample Result	Sample Qualifier	DU Result	DU Qualifier	Unit	D	RPD	RPD Limit
Total Dissolved Solids	400		406		mg/L		1	5

# QC Association Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-1

## HPLC/IC

### Analysis Batch: 764279

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230803-1	WAN-GWC-24	Total/NA	Water	300.0-1993 R2.1	
680-230803-2	WAN-LF-FB-10	Total/NA	Water	300.0-1993 R2.1	
680-230803-3	WAN-GWC-14	Total/NA	Water	300.0-1993 R2.1	
MB 680-764279/63	Method Blank	Total/NA	Water	300.0-1993 R2.1	
LCS 680-764279/64	Lab Control Sample	Total/NA	Water	300.0-1993 R2.1	
LCSD 680-764279/65	Lab Control Sample Dup	Total/NA	Water	300.0-1993 R2.1	
680-230721-B-14 MS	Matrix Spike	Total/NA	Water	300.0-1993 R2.1	
680-230721-B-14 MSD	Matrix Spike Duplicate	Total/NA	Water	300.0-1993 R2.1	

## Metals

### Prep Batch: 764270

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230803-1	WAN-GWC-24	Total Recoverable	Water	3005A	
680-230803-2	WAN-LF-FB-10	Total Recoverable	Water	3005A	
680-230803-3	WAN-GWC-14	Total Recoverable	Water	3005A	
MB 680-764270/1-A	Method Blank	Total Recoverable	Water	3005A	
LCS 680-764270/2-A	Lab Control Sample	Total Recoverable	Water	3005A	
680-230804-E-2-B MS	Matrix Spike	Total Recoverable	Water	3005A	
680-230804-E-2-B MS ^100	Matrix Spike	Total Recoverable	Water	3005A	
680-230804-E-2-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	3005A	
680-230804-E-2-C MSD ^100	Matrix Spike Duplicate	Total Recoverable	Water	3005A	

### Prep Batch: 764336

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230803-1	WAN-GWC-24	Total/NA	Water	7470A	
680-230803-2	WAN-LF-FB-10	Total/NA	Water	7470A	
680-230803-3	WAN-GWC-14	Total/NA	Water	7470A	
MB 680-764336/1-A	Method Blank	Total/NA	Water	7470A	
LCS 680-764336/2-A	Lab Control Sample	Total/NA	Water	7470A	
680-230805-G-12-E MS	Matrix Spike	Total/NA	Water	7470A	
680-230805-G-12-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	

### Analysis Batch: 764581

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230803-1	WAN-GWC-24	Total/NA	Water	7470A	764336
680-230803-2	WAN-LF-FB-10	Total/NA	Water	7470A	764336
680-230803-3	WAN-GWC-14	Total/NA	Water	7470A	764336
MB 680-764336/1-A	Method Blank	Total/NA	Water	7470A	764336
LCS 680-764336/2-A	Lab Control Sample	Total/NA	Water	7470A	764336
680-230805-G-12-E MS	Matrix Spike	Total/NA	Water	7470A	764336
680-230805-G-12-F MSD	Matrix Spike Duplicate	Total/NA	Water	7470A	764336

### Analysis Batch: 764596

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230803-1	WAN-GWC-24	Total Recoverable	Water	6020B	764270
680-230803-2	WAN-LF-FB-10	Total Recoverable	Water	6020B	764270
680-230803-3	WAN-GWC-14	Total Recoverable	Water	6020B	764270
MB 680-764270/1-A	Method Blank	Total Recoverable	Water	6020B	764270
LCS 680-764270/2-A	Lab Control Sample	Total Recoverable	Water	6020B	764270
680-230804-E-2-B MS	Matrix Spike	Total Recoverable	Water	6020B	764270

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# QC Association Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-1

## Metals (Continued)

### Analysis Batch: 764596 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230804-E-2-C MSD	Matrix Spike Duplicate	Total Recoverable	Water	6020B	764270

### Analysis Batch: 764981

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230803-1	WAN-GWC-24	Total Recoverable	Water	6020B	764270
680-230803-2	WAN-LF-FB-10	Total Recoverable	Water	6020B	764270
680-230803-3	WAN-GWC-14	Total Recoverable	Water	6020B	764270
MB 680-764270/1-A	Method Blank	Total Recoverable	Water	6020B	764270
LCS 680-764270/2-A	Lab Control Sample	Total Recoverable	Water	6020B	764270
680-230804-E-2-B MS ^100	Matrix Spike	Total Recoverable	Water	6020B	764270
680-230804-E-2-C MSD ^100	Matrix Spike Duplicate	Total Recoverable	Water	6020B	764270

## General Chemistry

### Analysis Batch: 764476

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230803-1	WAN-GWC-24	Total/NA	Water	2540C-2011	
680-230803-2	WAN-LF-FB-10	Total/NA	Water	2540C-2011	
MB 680-764476/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-764476/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-764476/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-230718-B-1 DU	Duplicate	Total/NA	Water	2540C-2011	

### Analysis Batch: 764716

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230803-3	WAN-GWC-14	Total/NA	Water	2540C-2011	
MB 680-764716/1	Method Blank	Total/NA	Water	2540C-2011	
LCS 680-764716/2	Lab Control Sample	Total/NA	Water	2540C-2011	
LCSD 680-764716/3	Lab Control Sample Dup	Total/NA	Water	2540C-2011	
680-230845-F-2 DU	Duplicate	Total/NA	Water	2540C-2011	

## Field Service / Mobile Lab

### Analysis Batch: 764382

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-230803-1	WAN-GWC-24	Total/NA	Water	Field Sampling	
680-230803-3	WAN-GWC-14	Total/NA	Water	Field Sampling	

# Lab Chronicle

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-1

**Client Sample ID: WAN-GWC-24**

**Lab Sample ID: 680-230803-1**

**Date Collected: 02/16/23 11:19**

**Matrix: Water**

**Date Received: 02/18/23 06:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	764279	02/22/23 02:33	UI	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764270	02/21/23 09:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764596	02/22/23 18:59	BWR	EET SAV
Instrument ID: ICPMSC										
Total Recoverable	Prep	3005A			25 mL	125 mL	764270	02/21/23 09:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 16:33	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764336	02/21/23 13:57	BCB	EET SAV
Total/NA	Analysis	7470A		1			764581	02/22/23 12:14	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	764476	02/22/23 12:05	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			764382	02/16/23 11:19	P1C	EET SAV
Instrument ID: NOEQUIP										

**Client Sample ID: WAN-LF-FB-10**

**Lab Sample ID: 680-230803-2**

**Date Collected: 02/16/23 11:05**

**Matrix: Water**

**Date Received: 02/18/23 06:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	764279	02/22/23 02:47	UI	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764270	02/21/23 09:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764596	02/22/23 18:51	BWR	EET SAV
Instrument ID: ICPMSC										
Total Recoverable	Prep	3005A			25 mL	125 mL	764270	02/21/23 09:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 16:25	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764336	02/21/23 13:57	BCB	EET SAV
Total/NA	Analysis	7470A		1			764581	02/22/23 12:18	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	200 mL	200 mL	764476	02/22/23 12:05	PG	EET SAV
Instrument ID: NOEQUIP										

**Client Sample ID: WAN-GWC-14**

**Lab Sample ID: 680-230803-3**

**Date Collected: 02/17/23 10:48**

**Matrix: Water**

**Date Received: 02/18/23 06:30**

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	300.0-1993 R2.1		1	5 mL	5 mL	764279	02/22/23 03:00	UI	EET SAV
Instrument ID: CICK										
Total Recoverable	Prep	3005A			25 mL	125 mL	764270	02/21/23 09:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764596	02/22/23 18:55	BWR	EET SAV
Instrument ID: ICPMSC										

Eurofins Savannah

# Lab Chronicle

Client: Southern Company  
 Project/Site: Plant Wansley Landfill

Job ID: 680-230803-1

**Client Sample ID: WAN-GWC-14**

**Lab Sample ID: 680-230803-3**

**Date Collected: 02/17/23 10:48**

**Matrix: Water**

**Date Received: 02/18/23 06:30**

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	125 mL	764270	02/21/23 09:52	RR	EET SAV
Total Recoverable	Analysis	6020B		1			764981	02/24/23 16:29	BWR	EET SAV
Instrument ID: ICPMSC										
Total/NA	Prep	7470A			50 mL	50 mL	764336	02/21/23 13:57	BCB	EET SAV
Total/NA	Analysis	7470A		1			764581	02/22/23 12:11	BJB	EET SAV
Instrument ID: QuickTrace2										
Total/NA	Analysis	2540C-2011		1	50 mL	200 mL	764716	02/23/23 13:26	PG	EET SAV
Instrument ID: NOEQUIP										
Total/NA	Analysis	Field Sampling		1			764382	02/17/23 10:48	P1C	EET SAV
Instrument ID: NOEQUIP										

**Laboratory References:**

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



# Accreditation/Certification Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-1

## Laboratory: Eurofins Savannah

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

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

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

# Method Summary

Client: Southern Company  
Project/Site: Plant Wansley Landfill

Job ID: 680-230803-1

Method	Method Description	Protocol	Laboratory
300.0-1993 R2.1	Anions, Ion Chromatography	MCAWW	EET SAV
6020B	Metals (ICP/MS)	SW846	EET SAV
7470A	Mercury	SW846	EET SAV
2540C-2011	Total Dissolved Solids (Dried at 180 °C)	SM	EET SAV
Field Sampling	Field Sampling	EPA	EET SAV
3005A	Preparation, Total Recoverable or Dissolved Metals	SW846	EET SAV
7470A	Preparation, Mercury	SW846	EET SAV

#### Protocol References:

EPA = US Environmental Protection Agency

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

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

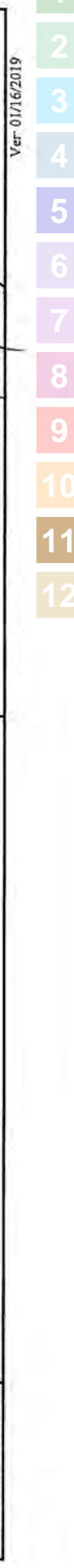
SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

#### Laboratory References:

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

### Chain of Custody Record

<b>Client Information</b> Client Contact: <u>John Sam</u> SCS Contacts: <u>770-594-5998</u> Company: <u>ACC</u>		Lab PM: <u>Fuller David</u> E-Mail: <u>david.fuller@et.eurofins.com</u>		Carmer Tracking No(s): COC No:	
Address: <u>241 Ralph McGill Blvd SE</u> City: <u>Atlanta</u> State Zip: <u>GA, 30308</u> Phone: <u>404-506-7116(Tel)</u> Email: <u>68027763</u>		Due Date Requested: TAT Requested (days): <u>Standard</u>		Job #: <u>1051</u>	
Project Name: <u>Plant Wansley Landfill</u> Site:		Lab Project #: <u>68027763</u> PO #:		Analysis Requested	
SCS Contacts / ACC Contacts		Project #:		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 Other:	
Sample Identification WAN-GWC-24 WAN-LF-FB-10 WAN-GWC-14 WAN- WAN- WAN- WAN- WAN- WAN- WAN- WAN-		Sample Date (mm/dd/yy) 02/16/23 02/16/23 02/17/23		Sample Time (hhmm) 1119 1105 1048	
Sample Type (C=Comp, G=grab) G G G G G G G G G G		Matrix (PC=Perchloric acid, water, W=Surfactant, water, W=Surfactant control) WG WQ WG G G G G G G G		Field Filtered Sample (Yes or No) N N N N N N N N N N	
Perform MS/MSD (Yes or No) N N N		APF 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 (EPA 300 & SM 2540C) I I I		Total Number of Containers X 3 3 3 pH= 5.08 pH= pH= 5.73 pH= pH= pH= pH= pH= pH= pH=	
Possible Hazard Identification <input type="checkbox"/> Non-Hazard <input type="checkbox"/> Flammable <input type="checkbox"/> Skin Irritant <input type="checkbox"/> Poison B <input type="checkbox"/> Unknown <input type="checkbox"/> Radiological		Deliverable Requested I, II, III, IV, Other (specify)		Sample Disposal (A fee may be assessed if samples are retained longer than 1 month) <input type="checkbox"/> Return To Client <input type="checkbox"/> Disposal By Lab <input type="checkbox"/> Archive For _____ Months	
Empty Kit Relinquished by		Date:		Special Instructions/QC Requirements	
Relinquished by: <u>David Fuller</u>		Date/Time: <u>2/17/23 1427</u>		Received by: <u>Michael Mascher</u>	
Relinquished by: <u>Michael Mascher</u>		Date/Time: <u>2-17-23 1427</u>		Received by: <u>[Signature]</u>	
Relinquished by:		Date/Time:		Received by:	
Custody Seals Intact: <u>Δ Yes Δ No</u>		Custody Seal No		Cooler Temperature(s) °C and Other Remarks: <u>4.3/4.3</u>	



# Login Sample Receipt Checklist

Client: Southern Company

Job Number: 680-230803-1

**Login Number: 230803**

**List Source: Eurofins Savannah**

**List Number: 1**

**Creator: Johnson, Corey M**

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



## APPENDIX C

### Boring Logs GS-21, GS-22, and GWC-12





## DRILLING LOG GEOLOGICAL SERVICES

Hole No. GS-21  
Sheet 1 of 3

SITE <u>Plant Wansley</u>		HOLE DEPTH <u>77.5'</u>	SURF. ELEV. <u>789.4</u>
LOCATION <u>Gypsum Storage Facility</u>	COORDINATES N <u>1238101.4</u>	E <u>2028695.2</u>	
ANGLE _____	BEARING _____	CONTRACTOR <u>SCS</u>	DRILL NO. <u>CME 550</u>
DRILLING METHOD <u>HSA/HQ Core</u>	NO. SAMPLES <u>13</u>	NO. U.D. SAMPLES <u>2</u>	
CASING SIZE _____	LENGTH _____	CORE SIZE <u>HQ</u>	TOTAL % REC. <u>92%</u>
WATER TABLE DEPTH <u>74'</u>	ELEV. _____	TIME AFTER COMP. <u>2 hrs</u>	DATE TAKEN <u>10/3/2006</u>
TYPE GROUT _____	QUANTITY _____	MIX _____	DRILLING START DATE <u>10/2/2006</u>
DRILLER <u>S. Milam</u>	RECORDER <u>L. Millet</u>	APPROVED _____	DRILLING COMP. DATE <u>10/4/2006</u>

Depth	Elev.	Material Description, Classification and Remarks	Sample No.	Standard Penetration Test			Comments	% Rec	RQD
				From To	Blows	N			
0.0	789.40	Topsoil removed to flatten area for rig							
1		Red silty clayey SAND and Saprolite, dry,							
2			1	1-2.5	1-2-3	5			
3									
4									
5		Red silty SAND and schist Saprolite, dry, crumbly, silty SAND							
6				4.5-6	4-8-14	22	UD taken @ 4.0 - 6.0 feet in offset hole		
7									
8		Brown and orange clay and highly weathered schist, with black mottling, dry,							
9									
10			2	9.5-11	8-12-13	25	UD taken @ 9.0 - 11.0 feet in offset hole		
11									
12		Saprolite schist with some silty sand, Fe staining and black mottling, dry, silty SAND, saprolite							
13									
14									
15			3	14.5-16	5-12-18	30			
16		SAA							
17									
18									
19									
20			4	19.5-21	4-6-14	20			
21									
22									
23									
24									



# DRILLING LOG GEOLOGICAL SERVICES

Hole No. **GS-21**  
Sheet 2 of 3

SITE **Plant Wansley** TOTAL DEPTH **77.5'** SURF.ELEV. **789.5**

Depth	Elev.	Material Description, Classification and Remarks	Sample No.	Standard Penetration Test			Comments	% Rec	RQD
				From To	Blows	N			
25		Saprolite with some silty SAND, Fe staining and black mottling, moist	5	24.5-26	8-16-43	59		50	
26									
27									
28									
29									
30		Saprolite, silty SAND, occ Fe staining, black mottling, moist, more cohesive	6	29.5-31	8-17-33	50		60	
31									
32									
33									
34									
35		Black/green schist Saprolite, decomposed, some clay, dry, some Fe staining, occ black mottled	7	34.5-36	50/4	ref		10	
36									
37									
38									
39									
40		Gray clay and highly weathered Saprolite schist, crumbly, Fe staining and black mottled	8	39.5-41	41-50/4	ref		30	
41									
42									
43									
44									
45		Gray clay and highly weathered schist Saprolite, more cohesive, moist, occ heavy black mottled	9	44.5-46	12-18-24	42		90	
46									
47									
48									
49									
50		SAA wit silty SAND (SM) with more Fe staining	10	49.5-51	8-16-50/4	ref	non-plastic gravel - 3.8% sand - 57.3% silt - 33.7% clay - 5.2%	50	
51									
52									
53									
54									
55		Gray-brown saprolite	11	54.5-56	8-24-27	51		30	
56									



# DRILLING LOG

## GEOLOGICAL SERVICES

Hole No. **GS-21**  
 Sheet 3 of 3

SITE **Plant Wansley** TOTAL DEPTH **77.5'** SURF.ELEV. **789.4**

Depth	Elev.	Material Description, Classification and Remarks	Sample No.	Standard Penetration Test			Comments	% Rec	RQD
				From To	Blows	N			
57									
58									
59									
60		Silty weathered schist Saprolite, dry							
61			12	59.5-61	50/4	ref			
62									
63									
64									
65		Gray silty SAND with highly weathered schist Saprolite, wet, Fe staining, occ black mottling (silty SAND) TOR Begin coring @ 66'							
66			13	64.5-66	50/4	ref	water table at 64'		
67									
68		Dark gray and black SCHIST, regular fractures heavy Fe staining							
69				66-70				87	49
70									
71		SAA, with garnets							
72				70-75				100	88
73									
74		Silver gray SCHIST, hard. little to no Fe staining in fractures few garnets							
75									
76									
77									
78		BOH @ 77.5'							
79									
80									
81									
82									
83									
84									
85									
86									
87									
88									



## DRILLING LOG GEOLOGICAL SERVICES

Hole No. GS-22  
Sheet 1 of 3

SITE Plant Wansley HOLE DEPTH 75.0' SURF. ELEV. 729.3

LOCATION Gypsum Storage Facility COORDINATES N 1238610.8 E 2029031.2

ANGLE \_\_\_\_\_ BEARING \_\_\_\_\_ CONTRACTOR SCS DRILL NO. CME 550

DRILLING METHOD HSA NO. SAMPLES 16 NO. U.D. SAMPLES 0

CASING SIZE \_\_\_\_\_ LENGTH \_\_\_\_\_ CORE SIZE \_\_\_\_\_ TOTAL % REC. \_\_\_\_\_

WATER TABLE DEPTH 48.7' ELEV. \_\_\_\_\_ TIME AFTER COMP. TOD DATE TAKEN \_\_\_\_\_

TYPE GROUT \_\_\_\_\_ QUANTITY \_\_\_\_\_ MIX \_\_\_\_\_ DRILLING START DATE 10/3/2006

DRILLER S. Milam RECORDER L. Millet APPROVED \_\_\_\_\_ DRILLING COMP. DATE 10/4/2006

Depth	Elev.	Material Description, Classification and Remarks	Sample No.	Standard Penetration Test			Comments	% Rec	RQD
				From To	Blows	N			
0.0	0	729.30							
	1								
	2		1	1-2.5	3-9-16	25			
	3								
	4								
	5		2	4.5-6	9-18-29	47	non-plastic sand - 20.8% silt - 65.6% clay - 13.6%		
	6								
	7								
	8								
	9								
	10		3	9.5-11	4-8-38	46			
	11								
	12								
	13								
	14								
	15		4	14.5-16	10-17-41	58			
	16								
	17								
	18								
	19								
	20		5	19.5-21	10-16-22	38			
	21								
	22								
	23								
	24								



**DRILLING LOG**  
**GEOLOGICAL SERVICES**

Hole No. **GS-22**  
Sheet 3 of 3

SITE **Plant Wansley** TOTAL DEPTH **75.0'** SURF.ELEV. **729.3**

Depth	Elev.	Material Description, Classification and Remarks	Sample No.	Standard Penetration Test			Comments	% Rec	RQD
				From To	Blows	N			
57									
58									
59									
60		Highly weathered schist Saprolite with gray silty SAND Fe staining	13	59.5-61	23-50/4	ref			
61									
62									
63									
64									
65		SAA, less Fe staining	14	64.5-66	15-50/2	ref			
66									
67									
68									
69									
70		SAA	15	69.5-71	50/4	ref			
71									
72									
73									
74									
75		Heavy Fe oxide staining BOH/TOR @ 75'	16	74.5-76	50/1	ref			
76									
77									
78									
79									
80									
81									
82									
83									
84									
85									
86									
87									
88									



# LOG OF TEST BORING

**BORING GWC-12**  
PAGE 1 OF 1

SOUTHERN COMPANY SERVICES, INC.  
EARTH SCIENCE AND ENVIRONMENTAL ENGINEERING

PROJECT Plant Wansley

LOCATION Carrollton, Georgia

DATE STARTED 2/23/2011 COMPLETED 2/24/2011 SURF. ELEV. 721.02 COORDINATES: N - 1238738.52, E - 2028921.56

CONTRACTOR Boart Longyear EQUIPMENT \_\_\_\_\_ METHOD Rotasonic

DRILLED BY \_\_\_\_\_ LOGGED BY G. Dyer CHECKED BY \_\_\_\_\_ ANGLE \_\_\_\_\_ BEARING \_\_\_\_\_

BORING DEPTH 37.5 ft. GROUND WATER DEPTH: DURING 17 ft. COMP. \_\_\_\_\_ DELAYED \_\_\_\_\_

NOTES \_\_\_\_\_

GEOTECH ENGINEERING LOGS - ESEE DATABASE.GDT - 11/9/11 15:48 - T:\ESEE MAJOR PROJECTS\PROJECTS\WANSLEY\WANSLEY 2011\PLANT WANSLEY WELL LOGS.GPJ

DEPTH (ft)	GRAPHIC LOG	MATERIAL DESCRIPTION	SAMPLE TYPE NUMBER	SAMPLE DEPTH (ft.)	BLOW COUNTS (N VALUE)	RECOVERY % (RQD)	COMMENTS
0		<b>Poorly-graded Sand (SP)</b> - orange, damp, w/ trace organics					
5		<b>Poorly-graded Sand with Silt (SP-SM)</b> - mottled dark brown, tan, damp, w/ some medium sized gravels: sand = 70%, silt = 20%, and gravels = 10%. gravels are weathered gneiss, not very competent mod well sorted and poorly graded, potentially trace clays  - zonation of more tan sediment from 12' to 13'					7' - 8' more dry.
10							
15							
20		- red, wet, w/ few clays (approximately 5%)  - damp					
25		<b>Poorly-graded Sandy Gravel (SP)</b> - brown, red, slightly damp, w/ gravel  <b>Gneiss</b> - grey, white, slightly weathered gneiss weathering to silt, competent, some iron staining and pyrite staining w/ increasing depth - grey, white, moderate amounts of Fe oxide staining, heavy pyrite staining					
30							
35							
40		Bottom of borehole at 37.5 feet.					

**NOTE:**  
Elevation in feet North American Vertical Datum of 1988 (NAVD).  
Coordinates are in North American Datum of 1983 (NAD83) Georgia State Plane East Zone.  
Well resurveyed in December 2020.

**WELL CONSTRUCTION LOG**

Southern Company Generation

PROJECT: Coal Combustion By-Product	DRILLING CO.: Boart Longyear	WELL NAME  GWC-12
Private Industry Solid Waste Disposal Facility	DRILLER:	
LOCATION: Plant Wansley	RIG TYPE: Roto Sonic	
LOGGER: Dyer	DRILLING METHODS: Roto Sonic	
DATE CONSTRUCTED: 2-24-11		

N - 1238738.52, E - 2028921.56		DEPTH FEET	ELEVATION FT NAVD
Locking Hinged Top	TOP OF RISER	3.04	724.06
1/4-inch Vent	2" Threaded Riser Cap		
1/4-inch Weep Hole			
4-ft x 4-ft concrete pad	GROUND SURFACE	0.00	721.02
<b>PROTECTIVE CASING</b> SIZE: 4x4-inch TYPE: Anodized Aluminum BOTTOM OF PROTECTIVE CASING			
<b>BACKFILL MATERIAL</b> TYPE: Portland Cement Grout AMOUNT: 35 Gallons <b>RISER CASING</b> DIA: 2-inch TYPE: Schedule 40 PVC JOINT TYPE: Flush Threaded TOP OF SEAL		22.50	698.52
<b>ANNULAR SEAL</b> TYPE: Bentonite Chips 50 lbs bags AMOUNT: 1/2 bag PLACEMENT: Tremie TOP OF FILTER PACK		24.00	697.02
<b>FILTER PACK</b> TYPE: F - 1A (20/30) Drillers Services, Inc. AMOUNT: 4 bags; 50 lbs/bag PLACEMENT: Tremie; wash with water BOTTOM OF RISER / TOP OF SCREEN		27.20	693.82
<b>SCREEN</b> DIA: 2-inch TYPE: Schedule 40 PVC Prepack OPENING WIDTH: 0.01-inch OPENING TYPE: Slotted SLOT SPACING: 1/8" SLOT LENGTH: 1.5-inch BOTTOM OF SCREEN		37.20	683.82
Flush-threaded end cap	BOTTOM OF CASING	37.50	683.52
HOLE DIA: 6"			

**NOTE:**  
 Elevation in feet North American Vertical Datum of 1988 (NAVD). Coordinates are in North American Datum of 1983 (NAD83) Georgia State Plane East Zone.  
 Well resurveyed in December 2020.





**ATLANTIC COAST  
CONSULTING, INC.**

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Roswell, GA 30076  
Phone: 770.594.5998

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7414 Hodgson Memorial  
Drive, Suite 2B  
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